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Feature	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment of the city (or Pan-City Solution) with regard to each feature	Self-assessment of the city (or Pan-City Solution) 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	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 utilised. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizens.	City administration conducts regular face to face citizen interactions each year to facilitate information dissemination of NKDA initiatives and to solicit feedback on high priority projects. Information of all initiatives being undertaken by the government and the progress made available on the NKDA website and through mass SMS gateway.	Number of scheduled citizen meets / interactions per year: 12 – 15 NKDA website: (http://nkdamar.org/Pages/index.aspx) Online Grievance Redressal mechanism: (http://nkdamar.org/Pages/Grievances.aspx) Transparency measure: West Bengal Right to Public Service Act, 2013. SMS: NKDA has more than 8500 mobile numbers registered for SMS service	City proposes to continue incorporating citizen's feedback to undertake major initiatives. NKDA to increase the number of interactions to at-least 2/ month. NKDA propose to augment its e-Governance / m-Governance initiative, by giving it a human face, a friendly Ananda, who is only a phone call away, 24/7 to help.	
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 emphasise the unique character of the city. Built, natural and cultural heritage is not preserved and utilised or enhanced through physical, management and policy structures.	Historic and cultural resources are preserved and utilised 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 utilised 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 utilised 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.	City has been planned as a services hub while preserving the culture of West Bengal through institutions like Nazrul Tirha, Rabindra Tirha, Eco Park, Arts Aare Foundation, Mother's Wax Museum etc. It has recreational facilities like Malls, Ice Skating Rink, Mini Golf Course, large open green spaces and water bodies.	Open space (percentage): 28% (URDPFI norm for large cities is 18 - 20%) Commercial establishments (number): 129 Institutional/ Commercial building: 61 Cultural/ Recreational Centers (numbers): 16 (designed highlighting the rich Bengali culture) Haats / Melas (number per year): 14 Theme parks / Parks/ Playgrounds (number): 23	City will strive to preserve its uniqueness of winning modern amenities with culture of West Bengal. It will also strive to preserve its open spaces and water bodies. Additionally, Government proposes in the process of building an iconic structure – Gateway to Kolkata – in New Town, thus emphasizing its identity.	
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.	City focuses on being an IT / Finance Hub - IT majors like TCS, Wipro, IBM, Infosys; Banking & Finance companies like ICICI, CSE, UDO Bank, Allahabad Bank; Hotels like Swissotel, Pride, Novotel etc. ext. SSI and small commercial establishments have grown around offices, malls, commercial and recreational complexes	IT / Finance / Telecom companies (number): 78 (including TCS SEZ) Hospitality units (number): 116 Government offices (number): 30 Land marked for commercial (Ha): 320 Ha (Approx. 10%)	City shall constantly endeavor to increase its talent base and create new avenues of employment for all sections of society. It will also focus on attracting entrepreneurs and providing incubation centers. City will create a web based application for providing relevant information to potential investors.	
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 specialised teaching and multi media enabled education. Education facilities are regularly assessed through - databases of schools including number of students, attendance, teacher-student ratio, facilities available and other factors.	City has adequate primary, secondary and technical education facilities for its current resident population. Though the facilities are not at a 15 minutes walking distance from all locations within the city, they are at close proximity to major clusters of population. Additionally, land has been allotted for premier education institutes.	Number of existing schools and colleges: 6 Number of proposed institutes: 25	City proposes to set up state of the art institutions imparting technical and vocational knowledge / skills to its resident base. City proposes to be a global service hub and thus in order to address the future requirement, land has been allotted to a number of premier institutes.	Premier institutes like Presidency University, Ramakrishna Mission, Belle-Vue Nursing College, WBPDCL Training Institute, Amity University, Rabindra Bharati, Netaji Subhas Open University, Bhanupur Gujrati Education Society, Institute of Chartered Accountants etc. is expected to be operational in the next 5-10 years. Introduction of community based tutorials involving senior citizens by 2017.
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 specialised health advice with maximum convenience. The city is able to foresee likely potential diseases and develop response systems and preventive care.	City has hospitals with 24 hour ambulance facilities. Additionally, numerous hospitals are located in the adjoining Bidhan Nagar Municipality which can be reached within 15 minutes. City administration also undertakes regular fumigation to prevent outbreak of dengue / malaria. Additionally, land has been allotted to a number of Healthcare Institutes.	Number of existing hospitals: 2 Number of proposed hospitals / healthcare centres: 14	City shall strive to provide affordable healthcare to all its citizens and shall look into innovative measures to provide affordable health services to the vulnerable sections of the society and develop a robust and preventive health care system.	Healthcare facilities like Dr. Lal Pathlabs, AMRI, Disha Eye Hospital, Metro Blood Bank, Park Hospital, Institute of Pulmocare and Research, Sarkara Netralaya, Suraksha Diagnostics, Nabodiganta Swasthya Pariseta etc. are expected to be operational in medium term. Additionally, telemedicine kiosks and emergency alert system for the elderly will be implemented.
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.	Being a planned city, it has mixed use pattern of land across residential, office and commercial building. Residential building also provide provision for LIG, MIG and HG households across the city. Every residential complex / household has access to markets and offices which can be reached within 15 minutes.	Residential land use allowed in Central Business District: 49% Proportion of HIG and MIG / LIG Residences: 50:50 Land Use Pattern: Residential - 42%, Commercial - 10.6%, IT zone - 4.95%, Social Infrastructure - 10.54%, Industrial Zone - 0.24%, Open Spaces and Water bodies - 28%, Utilities & Services - 4.54%	City shall promote mixed land use as defined in its master plan. Land rules and procedures shall be further simplified and streamlined to encourage developers to incorporate a mixture of uses in the projects. Additionally, city will develop more markets in the vicinity of population clusters.	
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.	City is planned in a compact manner. Each housing society/ complex has provision for basement parking or parking within the premises along with provision of green scaping and walk ways. However, given that it is in the growth phase, compactness of certain areas is yet to reach the planned density.	Planned density for New Town: 324 person / Ha City shall promote development of high density clusters with provision for walkability, connectivity, easy availability of facilities and implement transit oriented development along the main arterial road.	Introduction of Micro ATMs at kinaras shops, telemedicine kiosks, intelligent transport systems, smart streets etc. over the next 4-5 years. Introduction of app based service/ local service database for handyman like plumbers, electricians, carpenters, lock smiths, welders etc.	

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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 are available, 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.	City has parks and open spaces in most areas of the city with easy accessibility to all types of citizens. There are parks planned in each block. Additionally there are Senior Citizen's Park, Children's Park, Football / Cricket fields, Theme Parks, Eco-Park and large water bodies for boating and pisciculture.	Percentage of green space and water bodies: 28% (URDPFI norm for large cities is 18 - 20%) Number of parks/gardens/playgrounds: 23	City shall maintain the public open spaces and greeneries with accessibility to all citizens. Additional parks and open areas which are planned will be developed and awareness amongst citizens about their existence will be made.	
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	New Town was planned as a destination for all stratas of society. Houses/ societies have been planned, allotted and developed across High Income Group, Middle Income Group and Lower Income Group population. At present the demand for housing meets the supply of houses in New Town.	Proportion of HIG and MIG / LIG Residences: 50:50 Proportion of EWS dwelling units and R&R plots as a percentage of total residential units in the city: 10% Percentage of affordable housing (EWS, R&R and LIG): 20%	City shall enforce the requirement for developing MIG / LIG residences in the same proportion as HIG residences. Additionally, the government proposes to build another 2000 EWS dwelling units in the next 5 years.	
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. This 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.	Street network has been completed and government and private buses ply on the main roads. Last mile connectivity exists in some parts, and it is being addressed through battery driven vehicles, rickshaws, autos. There are sub ways and pedestrian crossings at some areas and more such options are being created.	Number of government buses plying in New Town: 183 Number of private buses plying in New Town: 396 Number of battery driven vehicles: 85 Number of Autos: 200	City shall ensure adequate multi-modal transport facility will be affordable cost to all citizens and road network supports walking and cycling in all areas. City will also ensure last mile connectivity in all parts along with provision for pedestrian crossings.	An intelligent transport management system along with smart bus stands and app based linkage with vehicles providing last mile connectivity will accelerate the city to an advanced status. Additionally smart light poles for improved parking and traffic control to be introduced in select area over 2 years
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 if 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.	City has pavements running on all the arterial, sub-arterial roads and by-lanes, with almost all of them being paved and lined with trees. All buildings in New Town have easy access to pavements. Traffic signals are well regulated and rarely violated enabling ease of crossing the road.	Percentage of planned city area with pavements: 80% Percentage of the cross section of main roads that are footpaths: 30% Percentage of the cross section of internal roads that are footpaths: 50% Average width of existing footpaths: 3 - 5.5 metres (better than the URDPFI norm of 1.8-4.5 metres)	City will complete the construction of pavements across all roads and ensure their maintenance. City will also promote cycling as means of transport. Monitoring of Traffic rules and laws will be promoted and enforced.	Alternate means of transportation like cycling will be promoted and by-cycle tracks will be developed across the arterial and sub arterial roads in order to promote eco-friendly means of transportation in the city.
12	IT connectivity	A Smart City has a robust internet network allowing high-speed connections to all offices and dwellings as desired. (Guideline 6.2)	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.	NTTIDCO, the telecom utility provider has provided the right of way and private sector players like airtel, Vodafone etc. are providing high speed internet facility to all residents and visitors on chargeable basis. Additionally the city has created a free wi-fi zone along 11 kms of the Main Arterial Road.	Length of common ducting provided by NTTIDCO: 836 km A pilot project has been implemented for providing free wi-fi along the 11 km Main Arterial Road, running across the city	City will leverage the existing free wi-fi facility being provided and will increase the same to cover all strategic parts of the city. It will also increase the penetration of high speed internet services in the city.	High speed wi-fi facility across the city forming the backbone for operating a number of ICT enabled smart application integrating urban utilities and citizen's expectations.
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. Systems 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.	City administration has a website providing online services - Building Plan Sanction, Occupancy/ Completion Certificate, Birth/Death Registration, Land Mutation, Establishment of Trade etc. Additional information on RTPS, Drainage & Sewerage, Water Supply, Street Lighting etc. can be viewed and forms downloaded. Grievance can be redressed through an online mechanism.	Building Plans sanctioned in FY 15 by electronic means: 438 Percentage of death certificates issued in FY 15 through electronic means: 142 License for Trade, Profession and Calling establishment in FY 15 by electronic means: 637 Number of occupancy / completion certificate provided through electronic means: 103753	All municipal services to be provided through on-line (e-governance, mobile platform, citizen centric service delivery centers) and off-line platforms. Two way communication and robust data infrastructure systems shall be used to enhance internal government coordination and overall delivery of citizen services.	ICT based solution linking natural language analysis, for improved transparency, accountability and citizen service delivery along with 24/7 call centre (Anandababu) addressing citizen's query/grievances. Additionally decentralized service delivery kiosks to be operationalized by 2018. Periodic initiatives for digital literacy and awareness will be undertaken for improving citizen participation.
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.	NTESCL, the power utility provider, provides uninterrupted grid based power to the whole city. Though NTESCL has introduced the concept of Pre-paid Meters, thus enhancing the self-reliance of the citizens, many citizens still opt for the post-paid meters.	T&D losses: Around 5% (comparable with developed countries like Japan, Germany, Singapore and Australia. Average T&D losses in India was around 23% in FY 13) Number of Pre-Paid Meters: 12886 Number of Post Paid Meters: 12043	City will provide facility for enhanced citizen convenience through provision of smart metering for all citizens linked to online platforms for monitoring and transparency.	Smart technology linked solutions like smart meters to be piloted in a chosen area by 2018 and to be linked to online platforms for better monitoring and for enhanced citizen convenience by 2022.
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.	City was proposed to be developed as a Solar City and has developed a Solar City Master Plan, but as yet few buildings and amenities in New Town use renewable sources of energy. The government proposes to provide incentives for developing green buildings in the future.	Percentage energy generated from renewable sources: 1%	City shall introduce policies and regulations to increasingly use energy generated through renewable sources and target to generate at least 10% of energy through renewable sources over the next 10 years comprising of Solar, Wind and waste to energy projects.	Multiple renewable energy projects including the 100X5 (500 mw) Canal Top Solar Power project at Eco Park New Town Kolkata along with waste to energy conversion initiatives and awareness programme on Solar City Project to be an energy efficient and sustainable city.
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 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%.	City provides 24/7 treated water to all citizens. Water treatment plant with SCADA based monitoring and control system is operational. Houses built on 6 acres and less are exempt from paying water charges. Additionally since the entire supply network is underground, scope for loss very low and insignificant.	Water supply: 200 lpcd (URDPFI SLB, MoUD norm - 135 lpcd) Water Quality: BIS compliant Network of underground pipelines: 100% NRW: 10% (SLB, MoUD Norm - <20%)	City will continue supplying 24/7 treated water following national and global standards at affordable prices and will contain unaccounted loss to below 10%. Additionally, the quality of water is expected to improve due to the newly commissioned surface water based project from November 2015.	

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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 stormwater 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 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 utilised 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.	City is yet to install water meters to measure water supply. Neither does the city conduct rain water harvesting and recycling on a large scale. However due to an excellent storm water drainage network with pumping system, flooding is avoided in the city.		City proposes to introduce meters to ensure proper water management and install appropriate technological solutions to ensure that unaccounted water losses are kept at the minimum. Storm water shall be stored and treated and supplied for secondary use.	Introducing water meters and large scale rain water harvesting initiative through pumping of storm water from the drains and redistributing the recycled water for secondary use. Additionally, incentivizing decentralized rain water harvesting initiatives at household level. ICT based predictive drainage solutions preventing water logging in a chosen area by 2018.
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 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.	All the waste water generated in the city is treated in 3 operational STPs of combined capacity 105 MLD. Currently New Town generates 28728 cum of sewage per day which is treated and used for pisciculture in the waterbodies. However full recycling of waste water is not conducted.	Number of operational STPs: 3 Number of STPs planned for construction: 1 Proportion of sewage treatment: 100% (SLB, MoUD – 100%)	City proposes to collect, treat and recycle all waste water. The water will be increasingly used for secondary purposes to reduce the need for fresh water.	Provision for recycling the waste water treated in the STPs such that the same can be used for secondary purposes like gardening, pisciculture, washing etc.
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.	City has undertaken multiple strategies to abate pollution, like, increasing the green cover and water bodies in the city. Eco park on 450 acres and its surrounding waterbody comprising 104 acres is at the heart of the city. However the city does not have any mechanism for monitoring air quality.		City proposes to provide clean air meeting international standards by monitoring the air and mapping data on air quality and undertaking corrective actions.	Introduction of air quality sensors along with ICT based construction monitoring mechanism in a chosen area on a pilot basis by 2017 and extended to the entire city by 2022. Additionally, roof top organic farming using re-cycled water to be introduced in a chosen area by 2018.
20	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 counseling 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.	City promotes the use of energy efficient buildings and proposes to incorporate a clause, in the Building By-Laws promoting green buildings in the city. City has also initiated the drive for replacing conventional lights with LED lights. All the street lights have energy saving automatic timer facility.	Percentage replacement of conventional lights with LED lights: 34%	City will promote and encourage all existing old and new public buildings in the City to employ energy efficiency principles in development and operation and also apply for energy ratings by national and international forums. City will provide incentives to encourage non-public buildings to employ energy efficient measures.	Reform in the Building by Law, promoting green buildings will encourage developers to build energy efficient buildings. Additionally, incentives for energy efficient buildings will be introduced. All NKDA/ HIDCO building / facilities to conduct energy audit every 2 years.
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.	City has high coverage of underground cable lines. As a newly planned city all electricity wiring runs underground and no visible electric wires are present thus ensuring minimal T&D losses.	Percentage city covered by underground wiring: 100% (in line with developed countries)	City shall maintain its underground electric wiring and shall ensure that no overhead lines are present over the years.	
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.	All households in New Town are fitted with toilets and connected to the sewerage network. Additionally, multiple community/ public toilets have been built for the floating population	Percentage households covered by toilets: 100% (SLB, MoUD Norm – 100%) Number of existing community toilet complexes: 30 Number of under construction community toilets: 2	City will continue to provide 100% sanitation facilities for all its residents and visitors.	
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.	City ensures that waste is collected from each household and all community bins everyday by GPS fitted municipal trucks. Segregation of municipal solid waste is not practiced and the waste collected is compacted disposed in open dumping sites.	Waste generated per day : 22 - 25 tons/ day	City proposes to segregate solid waste at source and also at the treatment facility in order to enable recycling and creation of energy. It is also proposed to dispose waste in an environmentally sound manner.	Encouraging segregation at source along with decentralized solutions for waste treatment, viz. composting, will enable the city to reduce the final quantity being dumped. Centralized treatment and disposal facilities planned on earmarked land in New Town. Pilot project on pneumatic waste management to be completed by 2017.
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 parts 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.	Like most newly developed City, due to sparse population density, New Town has medium safety levels, especially for more vulnerable groups in select pockets of the City post sun down.	Overall increase in crimes in FY 15: 22.6% (542 incidences in FY 15) Percentage increase women constables in FY 15: 200% Percentage reduction in crime against women in FY 15: 3% Percentage reduction in theft in FY 15: 50% Percentage reduction in arrests under NDPS Act in FY 15: >50%	City proposes to develop very high levels of public safety ensuring safety of all citizens at all hours of the day.	City is covered under the Safe City program which aims to implement holistic and integrated command & control platform with CCTV surveillance, emergency dial number and vehicle tracking for emergency response.

	Level of Development of city overall	Level of Development of city overall	(OPTIONAL) Any additional information, including any quantitative information
Citizen participation	Scenario 4	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 utilised. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizens.	<p>Number of scheduled citizen meets / interactions per year: 12 – 15</p> <p>NKDA website: (http://nkdamar.org/Pages/index.aspx)</p> <p>Online Grievance Redressal mechanism: (http://nkdamar.org/Pages/Grievances.aspx)</p> <p>Transparency measure: West Bengal Right to Public Service Act, 2013.</p> <p>SMS: NKDA has more than 8500 mobile numbers registered for SMS service</p>
Identity and culture	Scenario 4	Built, natural and intangible heritage are preserved and utilised 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.	<p>Open space (percentage): 28% {URDPFI norm for large cities is 18 - 20%}</p> <p>Commercial establishments (number): 1291</p> <p>Institutional/ Commercial building: 61</p> <p>Cultural/ Recreational Centers (numbers): 16 (designed highlighting the rich Bengali culture)</p> <p>Haats / Melas (number per year): 14</p> <p>Theme parks / Parks/ Playgrounds (number): 23</p>

Economy and employment	Scenario 4	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.	IT / Finance / Telecom companies (number): 78 (including TCS SEZ) Hospitality units (number): 116 Government offices (number): 30 Land marked for commercial (Ha): 320 Ha (Approx. 10%)
Education	Scenario 2	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.	Number of existing schools and colleges: 6 Number of proposed institutes: 25
Health	Scenario 2	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.	Number of existing hospitals: 2 Number of proposed hospitals / healthcare centres: 14

Mixed use	Scenario 4	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.	Residential land use allowed in Central Business District: 49% Proportion of HIG and MIG / LIG Residences: 50:50 Land Use Pattern: Residential - 42%, Commercial - 10.6%, IT zone - 4.95%, Social Infrastructure - 10.54%, Industrial Zone - 0.24%, Open Spaces and Water bodies - 28%, Utilities & Services - 4.54%
Compact	Scenario 3	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.	Planned density for New Town: 324 person / Ha
Public open spaces	Scenario 4	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	Percentage of green space and water bodies: 28% {URDPFI norm for large cities is 18 - 20%} Number of parks/ gardens/ playgrounds: 23

Housing and inclusiveness	Scenario 4	A wide range of a 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	Proportion of HIG and MIG / LIG Residences: 50:50 Proportion of EWS dwelling units and R&R plots as a percentage of total residential units in the city: 10% Percentage of affordable housing (EWS, R&R and LIG): 20%
Transport	Scenario 3	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.	Number of government buses plying in New Town: 183 Number of private buses plying in New Town: 396 Number of battery driven vehicles: 85 Number of Autos: 200
Walkable	Scenario 3	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.	Percentage of planned city area with pavements: 80% Percentage of the cross section of main roads that are footpaths: 30% Percentage of the cross section of internal roads that are footpaths: 50% Average width of existing footpaths: 3 – 5.5 metres (better than the URDPFI norm of 1.8 - 4.5 metres)

IT connectivity	Scenario 3	The city makes has high speed internet connectivity available in most parts of the city.	Length of common ducting provided by NTTIDCO: 836 km A pilot project has been implemented for providing free wi-fi along the 11 km Main Arterial Road, running across the city
Intelligent government services	Scenario 3	Most of the services are provided online and offline. Data transparency helps monitoring. Systema and processes to better coordinate between various Government agencies are being developed.	Building Plans sanctioned in FY 15 by electronic means: 438 Percentage of death certificates issued in FY 15 through electronic means: 142 License for Trade, Profession and Calling establishment in FY 15 by electronic means: 637 Number of occupancy / completion certificate provided through electronic means: 103753
Energy supply	Scenario 3	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.	T&D loses: Around 5% (comparable with developed countries like Japan, Germany, Singapore and Australia. Average T&D losses in India was around 23% in FY 13) Number of Pre-Paid Meters: 12886 Number of Post Paid Meters: 12043
Energy source	Scenario 2	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.	Percentage energy generated from renewable sources: 1%

Water supply	Scenario 4	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%.	Water supply: 200 lpcd (URDPFI/SLB, MoUD norm – 135 lpcd) Water Quality: BIS compliant Network of underground pipelines: 100% NRW: 10% (SLB, MoUD Norm - <20%)
Water management	Scenario 1	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.	
Waste water management	Scenario 3	All the waste water is collected and treated before disposal. It is also treated to a high standard and some is recycled.	Number of operational STPs: 3 Number of STPs planned for construction: 1 Proportion of sewage treatment: 100% (SLB, MoUD – 100%)
Air quality	Scenario 2	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.	

Energy efficiency	Scenario 3	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	Percentage replacement of conventional lights with LED lights: 34%
Underground electric wiring	Scenario 4	More than 90% of the city has underground electric wiring system.	Percentage city covered by underground wiring: 100% (in line with developed countries)
Sanitation	Scenario 4	Sanitation facilities are available to 100% of the city's population.	Percentage households covered by toilets: 100% (SLB, MoUD Norm – 100%) Number of existing community toilet complexes: 30 Number of under construction community toilets: 2
Waste management	Scenario 2	Waste generated is usually collected but not segregated. Recycling is attempted by difficult to implement.	Waste generated per day : 22 - 25 tons/ day
Safety and security	Scenario 2	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	Overall increase in crimes in FY 15: 22.6% (542 incidences in FY 15) Percentage increase women constables in FY 15: 200% Percentage reduction in crime against women in FY 15: 3% Percentage reduction in theft in FY 15: 50% Percentage reduction in arrests under NDPS Act in FY 15: >50%



ANNEXURE 03

NEW TOWN KOLKATA

SMART CITY PROPOSAL



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

APRIL 2016



Prepared by _____
Deloitte.



DEVELOPMENTS ARCHITECTS PRIVATE LIMITED
A MEMBER OF DEVELOPMENT CONSULTANTS GROUP
ARCHITECTS □ PLANNERS □ ENGINEERS

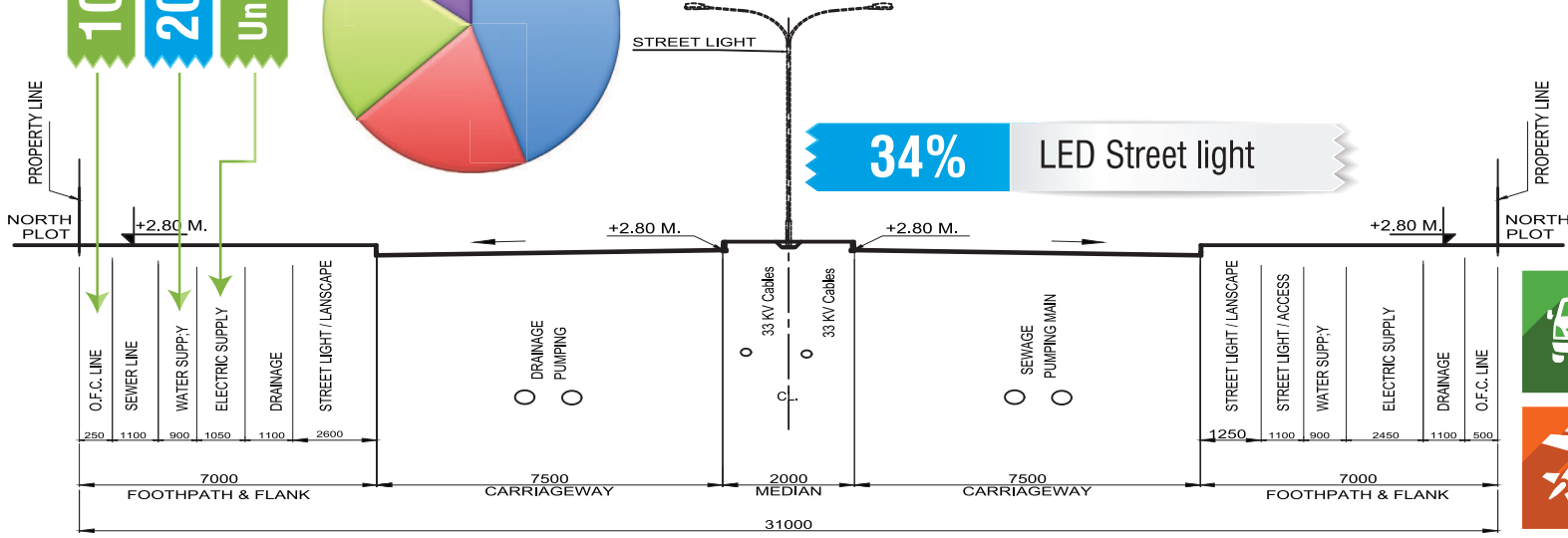
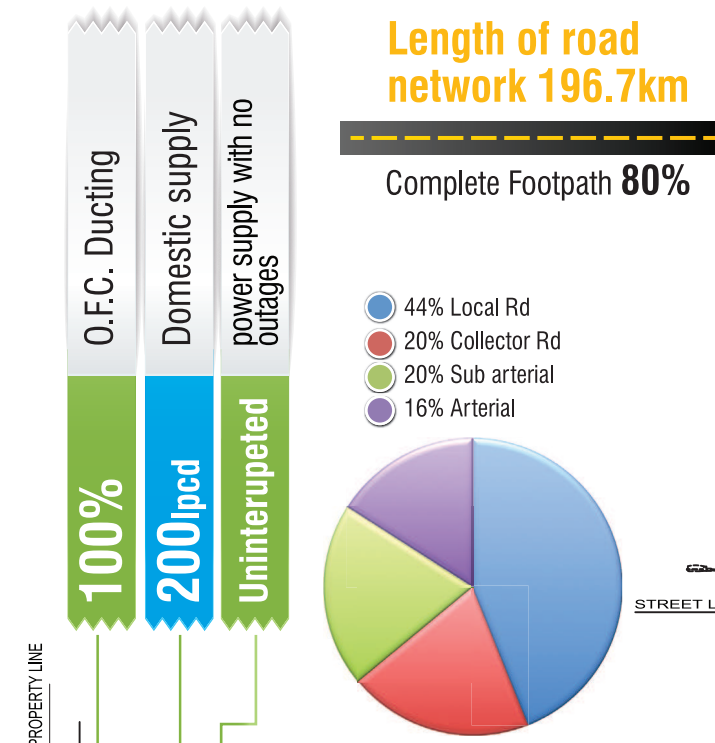
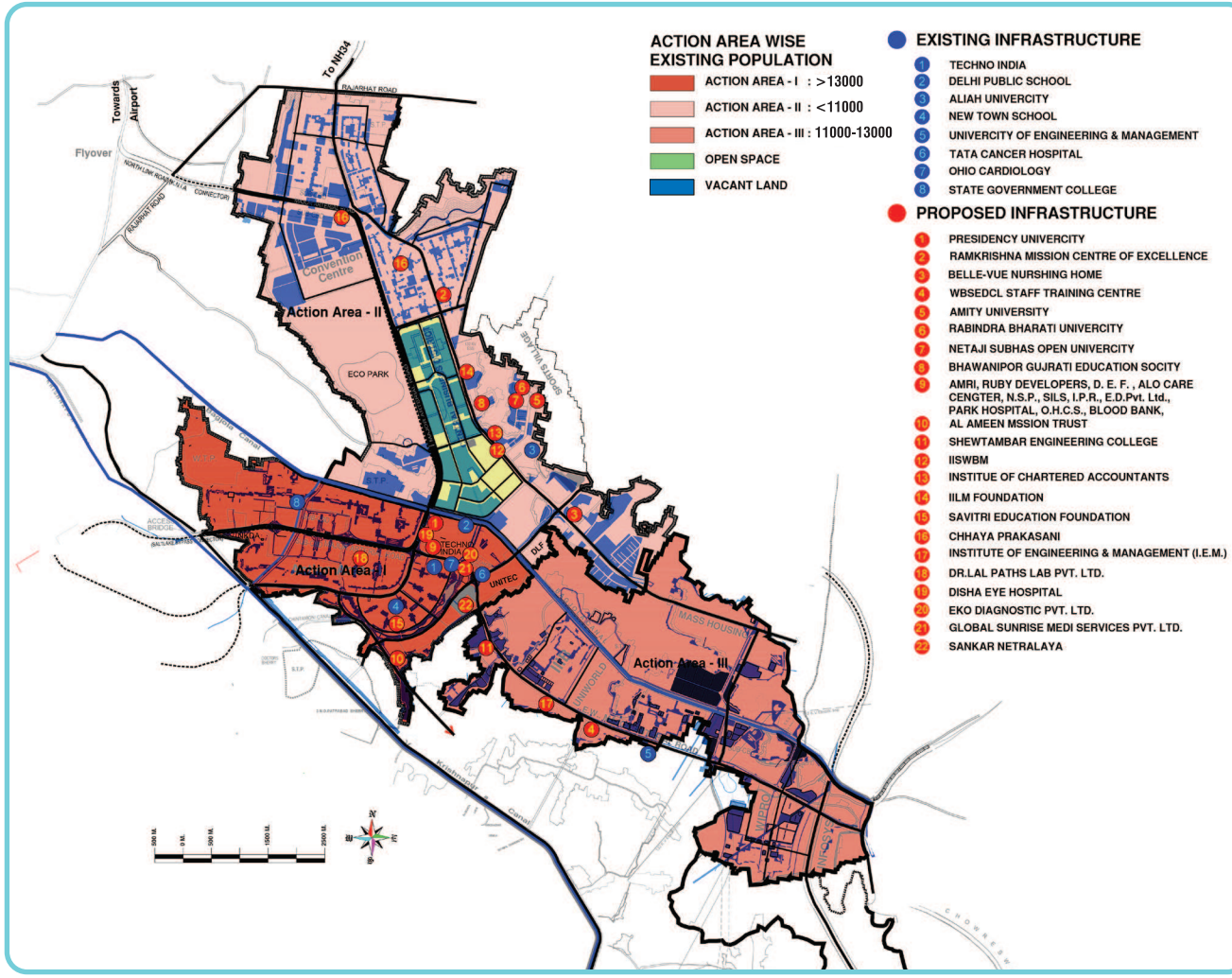
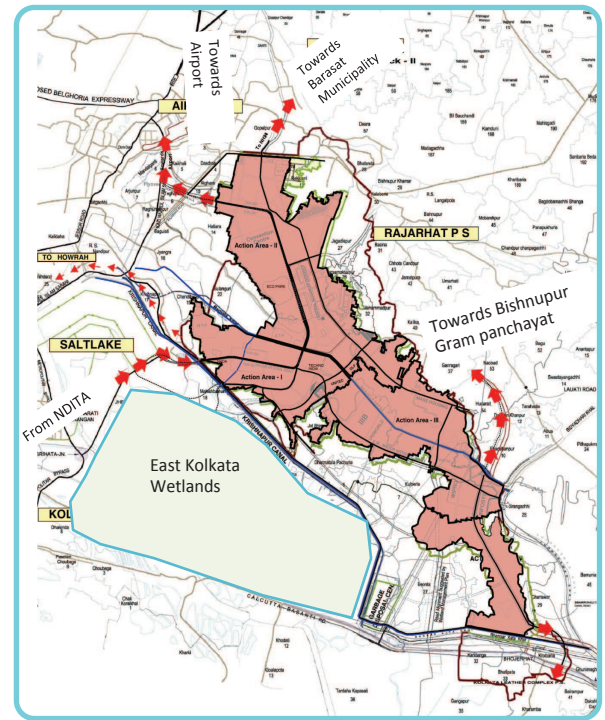
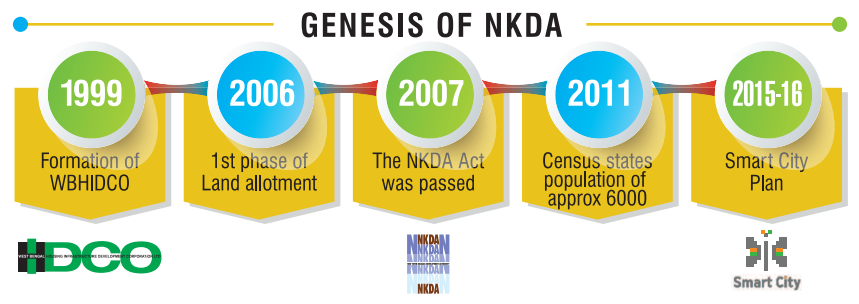
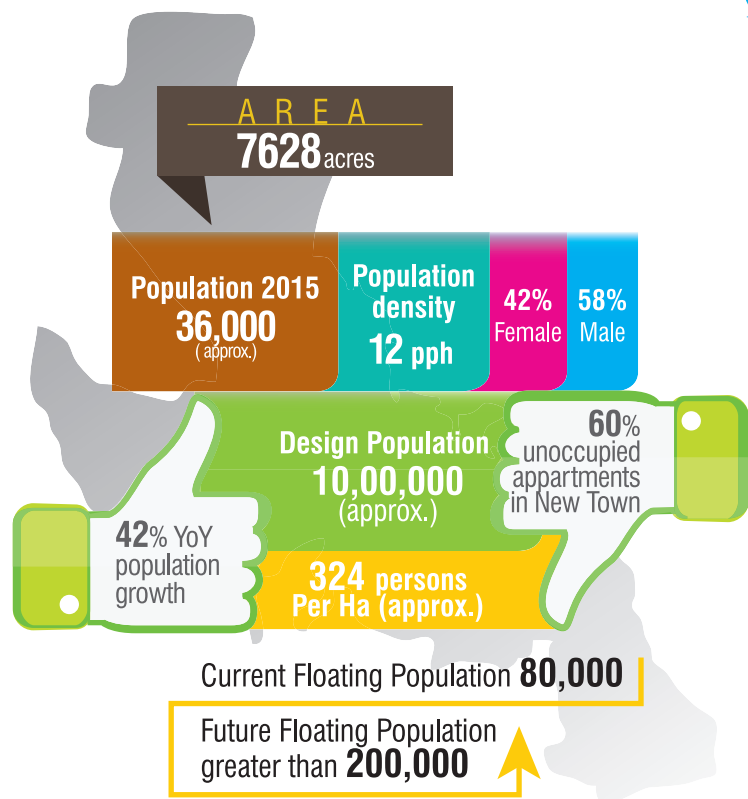
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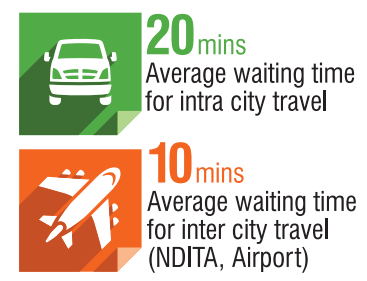


City Profile 3.1



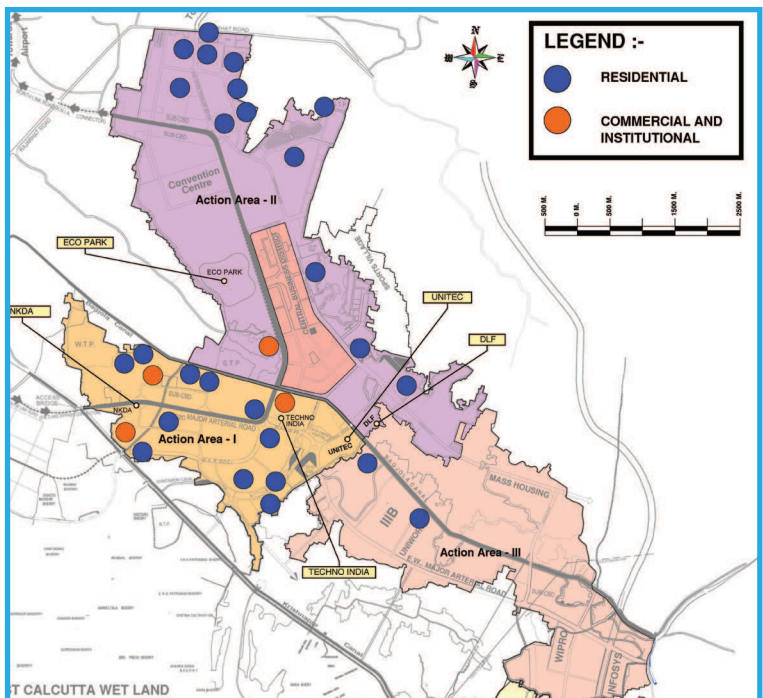
TYPICAL CROSS SECTION OF 31.0 m. (ROW) WIDE ROAD SHOWING ALLOCATION OF SPACES FOR UTILITY SERVICES

GOVERNANCE AND ADMINISTRATIVE MECHANISM	
NKDA	NTTIDCO (JV between HIDCO Ltd. and WEBFIL Ltd)
Municipal Services	Telecom Network
HIDCO	NTESCL (JV between HIDCO Ltd. and WEBFIL Ltd)
Planning and infrastructure Development	Power Supply



Source: NKDA, HIDCO

Citizen Engagement 3.2.1



Interaction with **83%** of the resident population (29880)

Approximately **21%** respondents (7560 persons) provided inputs for through 138 events



Citizen's Workshop (kick-off meeting)



Interaction during smart puja by FM



Interactions at residential complexes

SCP Methodology for Citizen Engagement



ENVISION

- Citizen workshop
- Vision workshop with FCC
- Vision statement competition
- Digital City / Dream IT City ~10%
- Corruption Free and Safe (~8%)
- Clean & Eco-Friendly (~7%)



DIAGNOSE

- Visit to 50+ housing complex localities
- Essays - 165+
- NKDA website suggestions - 188
- Masti Ki caravan & other events
- MyGov discussion - 396
- Sit & Draw Competition



CO-CREATE

- Workshop with different citizen groups
- Discussion with citizens at NKDA every Friday/Saturday
- Radio, Television, Mass Email, Mass SMS
- Hackathon



REFINE

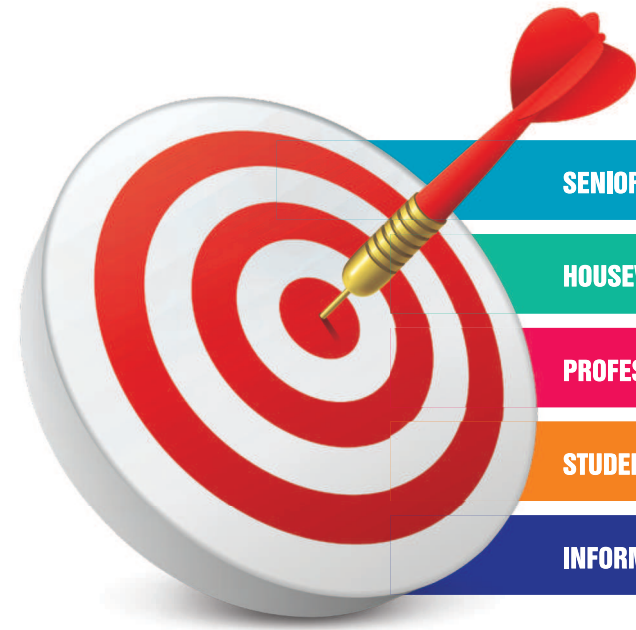
- Workshop with HIDCO & NKDA
- Discussion with citizens at NKDA every Friday / Saturday



SHARE

- Website
- MyGov
- Cyclotron
- Door to door campaign
- Facebook
- Smart City Cricket League

Focus Group Targeted



- SENIOR CITIZENS** : Elderly couples residing by themselves in apartments
- HOUSEWIVES** : Women with activities primarily within the city at all hours of the day
- PROFESSIONALS** : Emphasis on female professionals with varied work schedules
- STUDENTS** : Students travelling to the city institutions and from the city to Kolkata
- INFORMAL SECTORS** : Maids, Construction Workers, informal vendors



10000 SMS & 15000 emails sent out to the citizens



188 online suggestions received



165+ Essays and Vision statements



2519 LIKE
100+ Posts
120+ followers



70+ posts
1000+ views

- Updates posted on NKDA website regularly
- New Town Smart City Logo uploaded
- MyGov registration drive 20000 people registered
- Online Discussion 396
Online Submission 577
Pan city solution 1825 votes
Area Identification 1142 votes

Citizen Engagement – International Collaboration

Future Cities Catapult (FCC), UK and BuroHappold Consulting, UK conducted a 2 day visioning workshop on 29th and 30th September.



Honorable. Minister of Urban Development & Principal Secretary



Inputs during visioning exercise



Collaboration with French Architects - Jean Grebert Florence Bougnoux & David Mangin

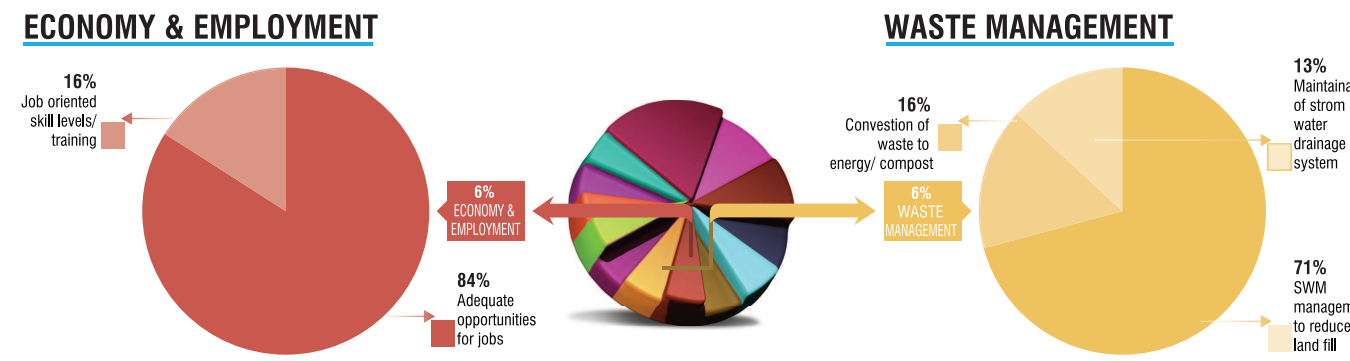
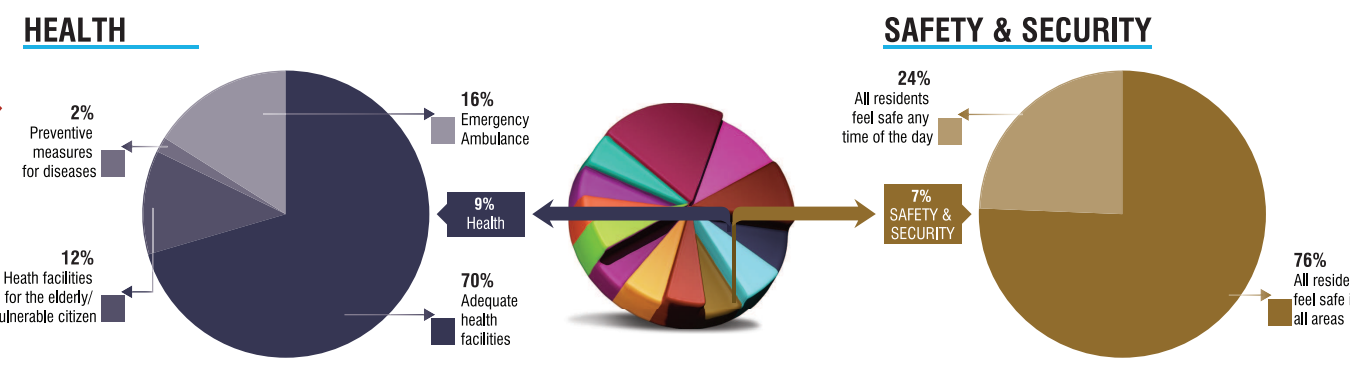
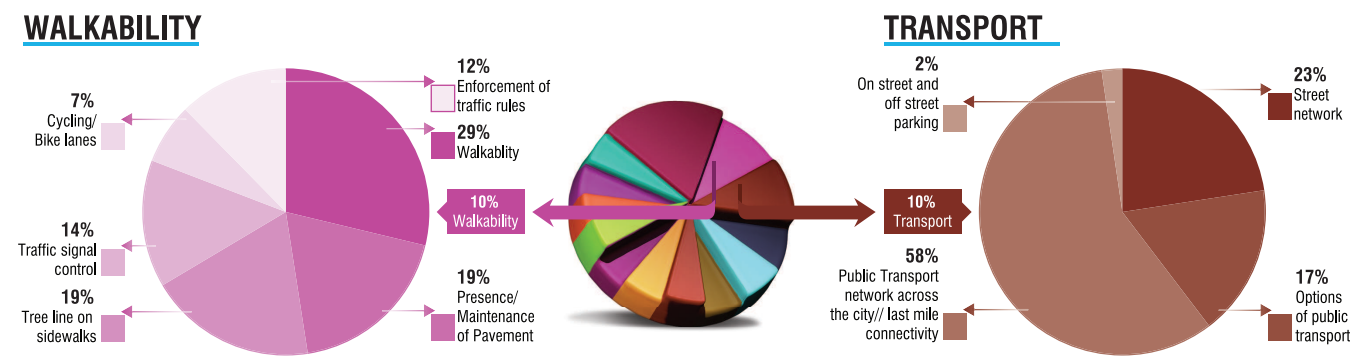
Citizen Engagement

3.2.2

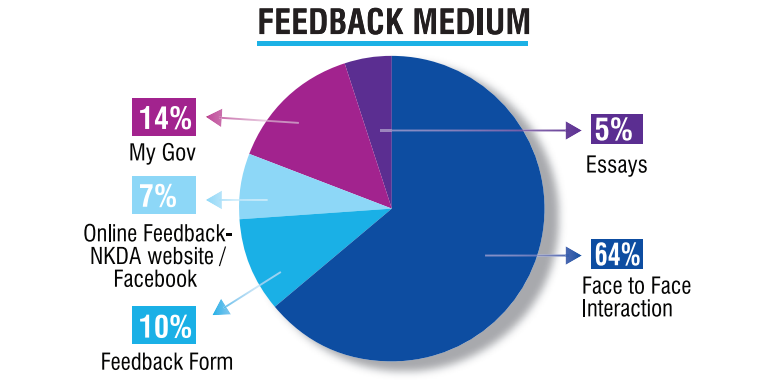
CONSOLIDATED FEEDBACK



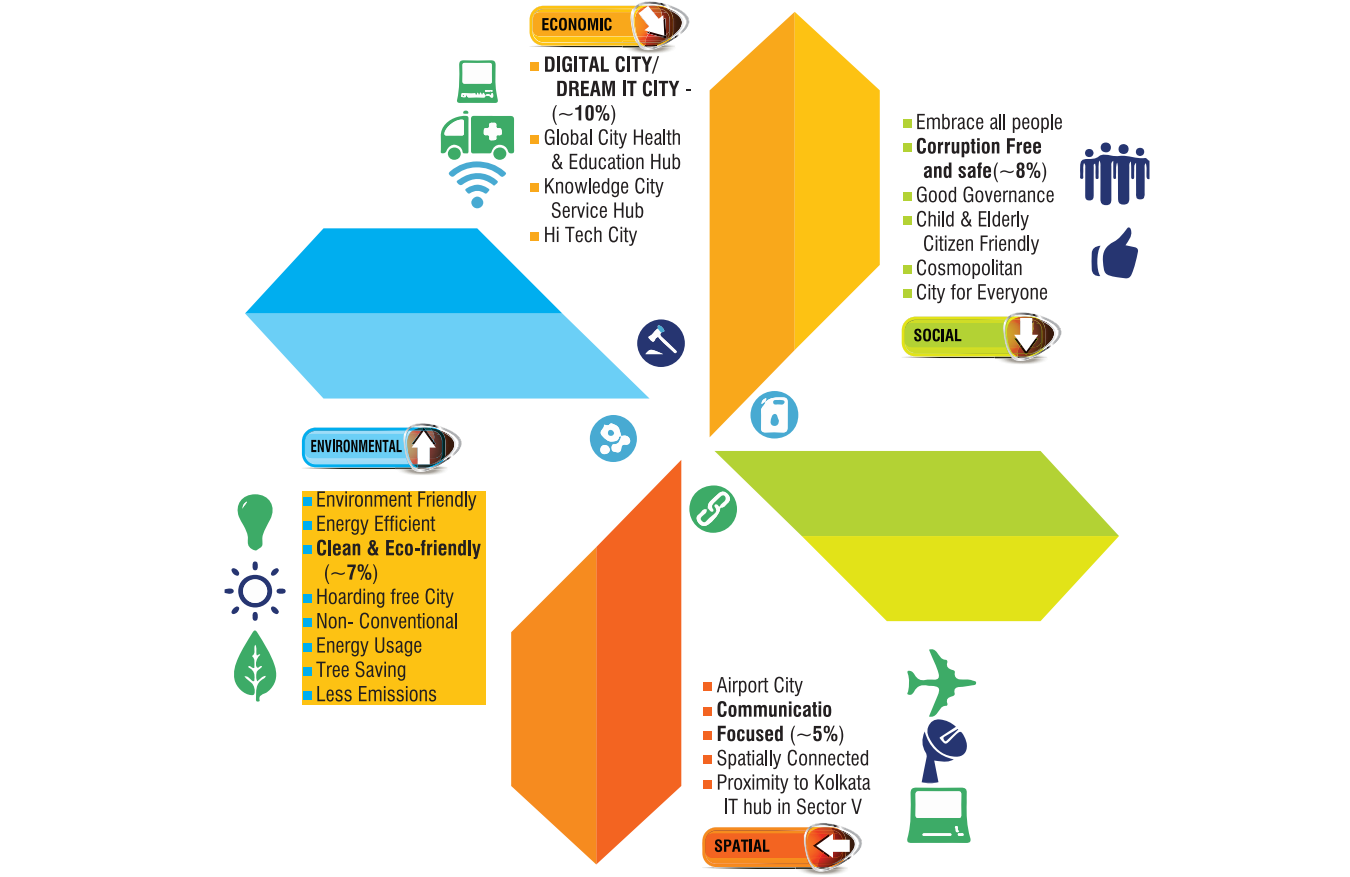
CITIZEN FEEDBACK-AREAWISE



VISION New Town Kolkata Smart City aspires to leverage its existing and future investments to create a livable city that is economically vibrant and takes pride in itself.



CITIZEN ASPIRATION - VISION



Area Selection Framework 3.4

- SPATIAL A** Quantum of area available contiguous
- BENEFICIARIES B** Design and residing population building plan approval / POC /OC Obtained
- INFRASTRUCTURE C** Level of completion availability of infrastructure facilities water Drainage Sewerage road etc.
- CITIZEN FEEDBACK D** Citizen Interactions across blocks

SELECTION OF LONG LIST

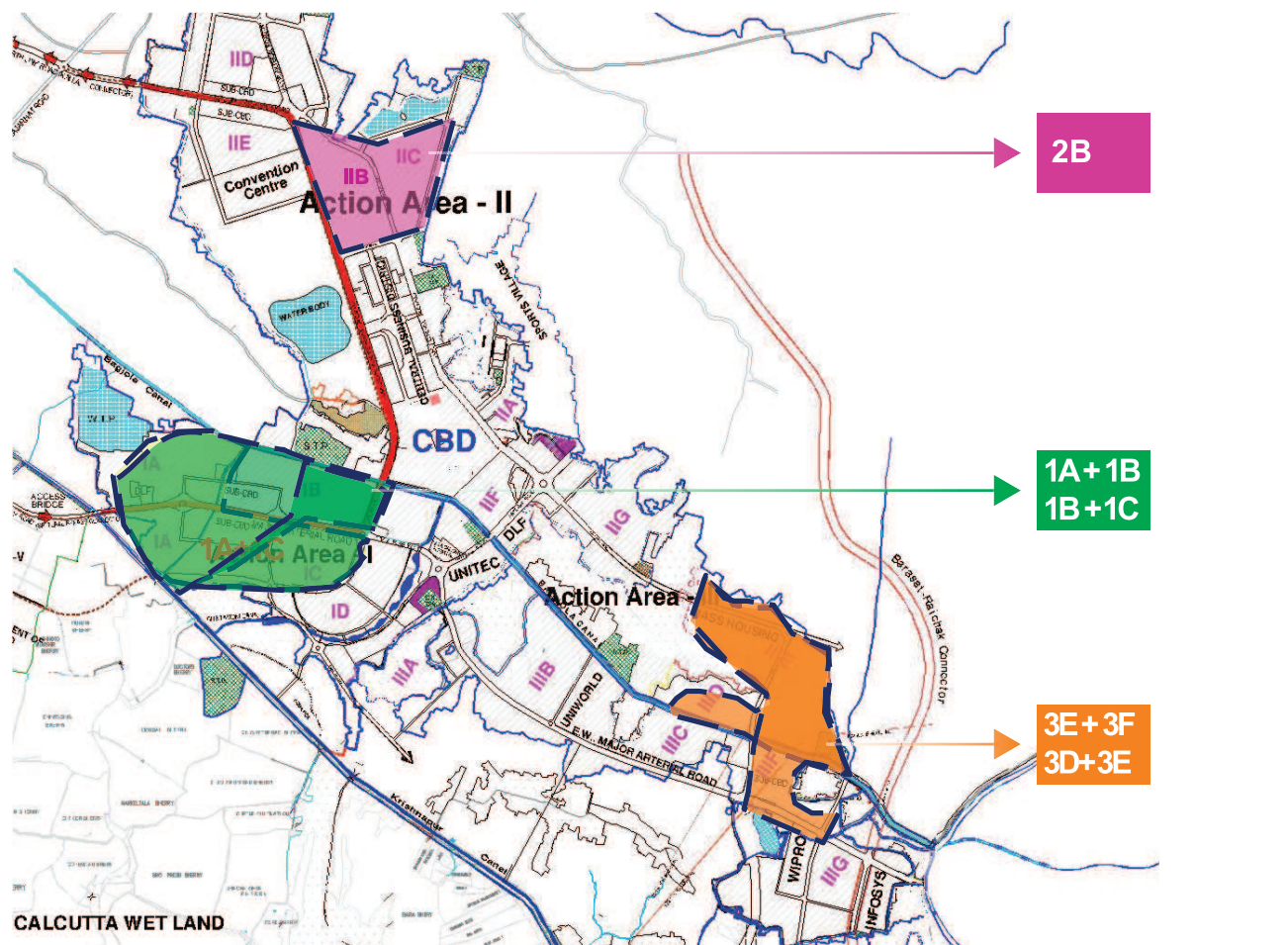
● Excellent ● Very Good ● Good

Blocks			
Indicative Selection Parameters			
Existing Population	Expected Population	Infrastructure	
1A + 1C	●	●	●
1A + 1B	●	●	●
1B + 1C	●	●	●
1D	●	●	●
2A + 2F	●	●	●
2B	●	●	●
2A + 2B	●	●	●
2E	●	●	●
Blocks			
Indicative Selection Parameters			
Existing Population	Expected Population	Infrastructure	
2E + 2D	●	●	●
3A + 3B	●	●	●
3B + 3C	●	●	●
3D + 3E	●	●	●
3E + 3F	●	●	●
3D + 3F	●	●	●
3F + 3G	●	●	●
2G + 3B	●	●	●

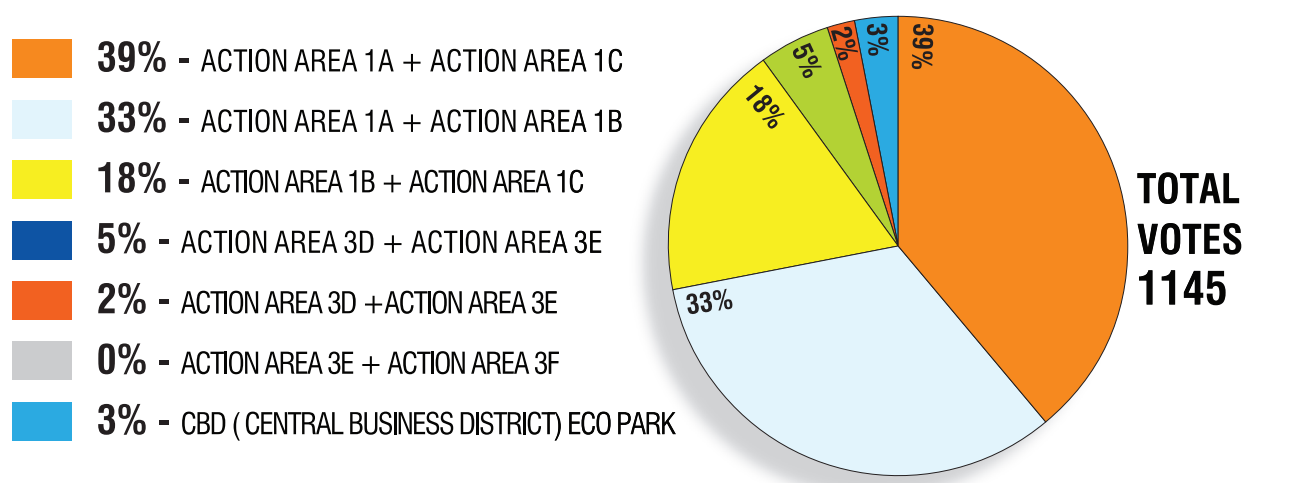
SHORTLISTING OF AREAS

<p>1A+1B Area (in acre) 637.5 Existing Population 7578 Population Density 11.89 Expected Population 19788</p>	<p>1B+1C Area (in acre) 577.5 Existing Population 5880 Population Density 10.18 Expected Population 11515</p>	<p>1A+1C Area (in acre) 705 Existing Population 8756 Population Density 12.42 Expected Population 23827</p>
<p>2B Area (in acre): 545 Existing Population 2567 Population Density 4.71 Expected Population 5855</p>	<p>3D+3E Area (in acre) 575 Existing Population 9099 Population Density 15.82 Expected Population 12000</p>	<p>3E+3F Area (in acre) 555 Existing Population 9099 Population Density 16.39 Expected Population 12000</p>

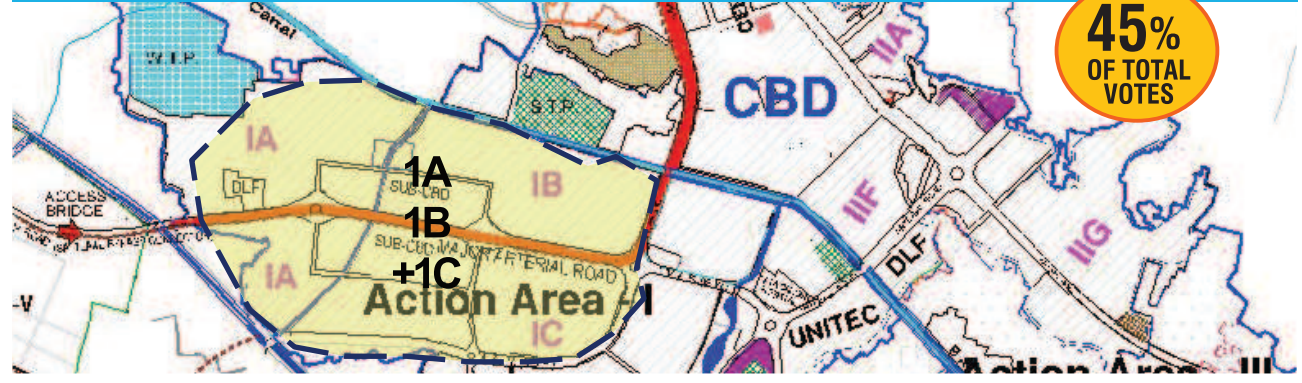
LOCATION OF SHORTLISTED AREAS



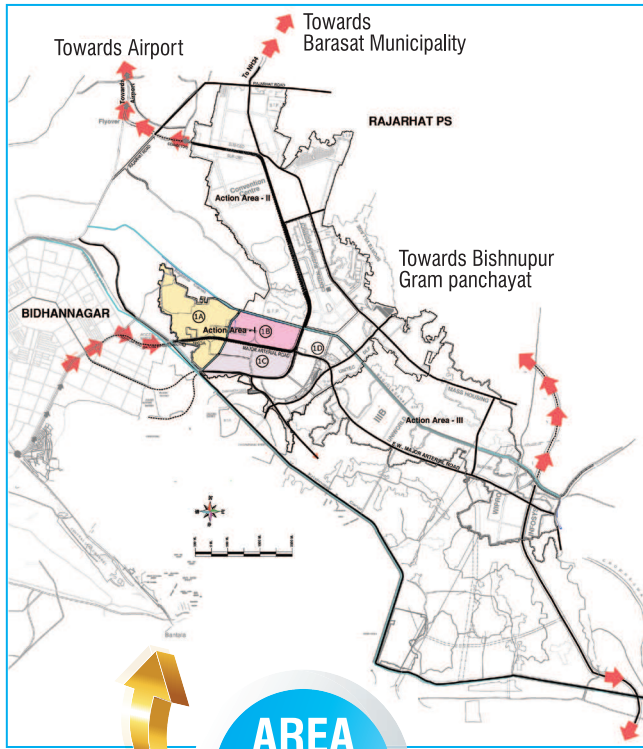
CITIZEN POLLING OF SHORTLISTED AREAS



FINAL AREA FOR AREA BASED DEVELOPMENT



Area Profile 3.5



AREA
960 acres

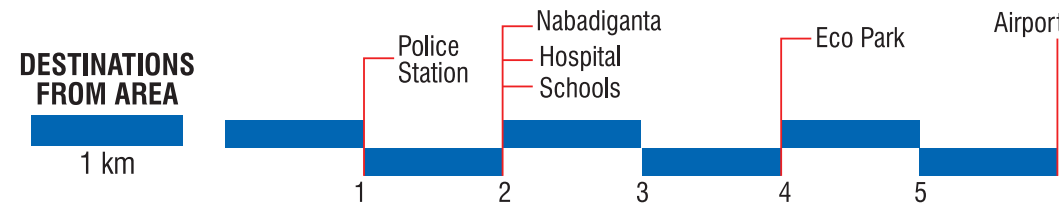
30% of the entire city's resident population

Population Density
29 persons/Ha

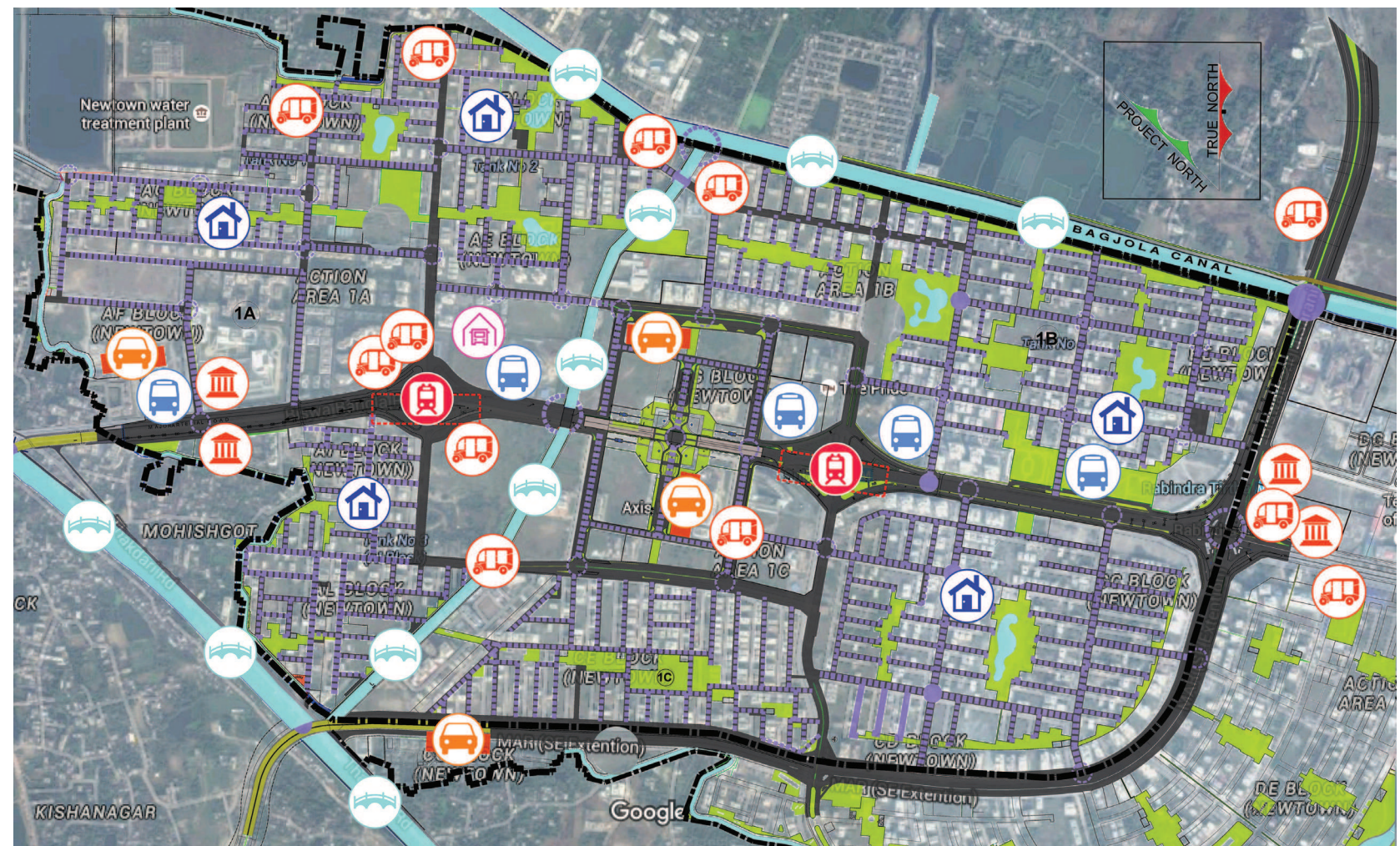
58%
42%

Population **11,107**
Households **2468**
Floating Population **32,000**

12 PAY & USE TOILETS **11** PARKS **4** PARKING LOTS **5** COMMUNITY MARKETS



- COMMUNITY MARKET
- PROPOSED METRO STATION
- NAZRULTIRTHA, RABINDRATIRTHA NKDA, HIDCO
- CANAL
- ROADS & JUNCTIONS
- BUS STAND
- BUS TERMINUS
- PARKING LOTS
- AUTO/TOTO STAND



Share of Road	Modal Split	Public Transport (35%)	Non-motorized Transport (13%)	Motorized Private Vehicles (33%)	Para-transit Mode (19%)
Arterial Road (10%)		Weak	Strong	Strong	Weak
Sub-Arterial Road (13%)		Weak	Strong	Strong	Weak
Collector Road (24%)		Weak	Strong	Strong	Weak
Local Road (53%)		Weak	Strong	Strong	Weak

● strong ○ weak

Source: IIT Survey

Key Destinations in Area

Key Offices



5 Bus Shelters



12 Auto/Toto Stands



12 important road intersections



145 kilometer of footpath



1 Bus Terminus



Nazrul Tirtha



Rabindra Tirtha



Coal India Bhavan



NKDA

Proposed Area Based Development

3.6.1



PROJECT SUSTAINABLE ENVIRONMENT



Measures for reducing the pressure of urban activities by promoting renewable energy. Energy efficiency and monitoring in urban services

PROJECT SOCIAL & CULTURE



Addressing the deficit of social infrastructure through inclusive and innovative means and develop platform to social interaction

PROJECT MOBILITY & CONNECTIVITY



Providing effective safe environmentally sustainable public and private transport system. Also promote pedestrian connectivity

PROJECT ECONOMIC OPPORTUNITY



Creating platform for new business ventures that shall bolster its image as an economic hub and contribute to the growth of the city

PROJECT ONE NKDA

ICT based e-governance and services delivery mechanism with multiple access points facilitated by robust IT connectivity

PROJECT SAFE CITIZEN

creating safe living and working environment in the city through increased surveillance and improved response mechanism for emergencies

PROJECT ZERO

Initiate waste management practices at micro level that facilitate recycle as well as environmentally conducive disposal of the waste

PROJECT SAVE AND SAVE WATER

capturing rainwater for reuse and IT enable water quality monitoring for holistic management of water from all the sources

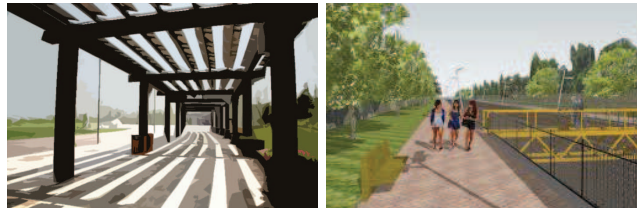
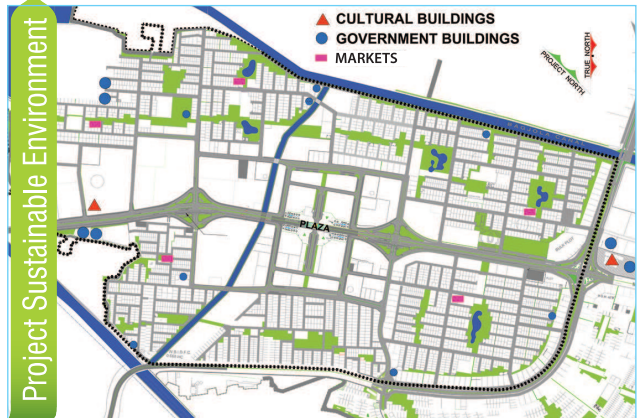
PROJECT SMART METERING

Monitoring of crucial resources and improved management of multiple services from a single control and command center

Improved Quality of Living

3.6.2

Create a 3.4 km long pedestrian connector cutting across the breadth of the Area which shall provide spaces for social interaction. The complete stretch shall draw its power from renewable energy sources

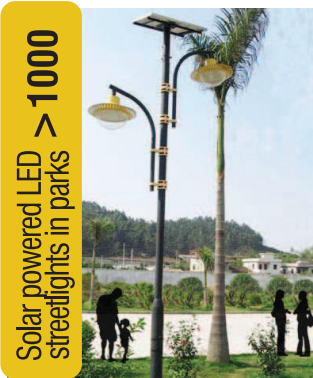


Shaded walkways **12750** sq.m

Designed pathway along the canal **3.4** km

5 star rated appliances **36%** energy saving

Air pollution monitoring **20%** reduction of SPM



PROJECT SMART METERING

- ▶ Monitoring of water consumption of 2468 HHs from a Central Command and Control Centre
- ▶ "Time of use" tariff system for power consumption

PROJECT SAVE AND SAFE WATER

- ▶ Recycle and reuse of run off rain water for maintenance of open green spaces, parks etc.

PROJECT ZERO

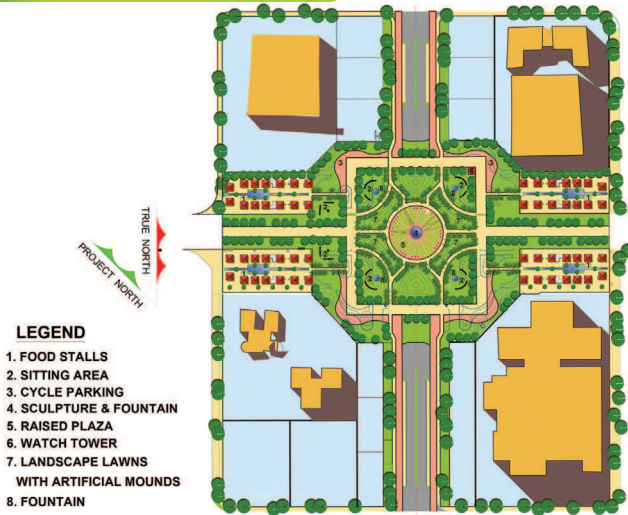
- ▶ Waste segregation
- ▶ Decentralized Composting
- ▶ App based construction waste collection
- ▶ E-waste facility

Improved Quality of Living

3.6.3

Creating a public gathering place of 2450 sq.m in the heart of the Area.

Plan of Pedestrian Plaza



'Pedestrian Only' zone



Surveillance for security of children



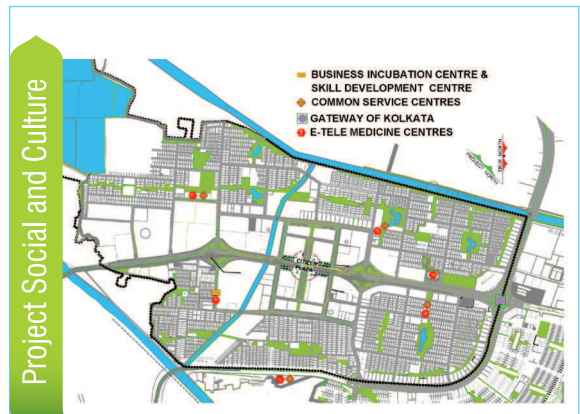
Organised vendor zones



Open air performing stage



Wi-Fi hotspots



View of Pedestrian Plaza



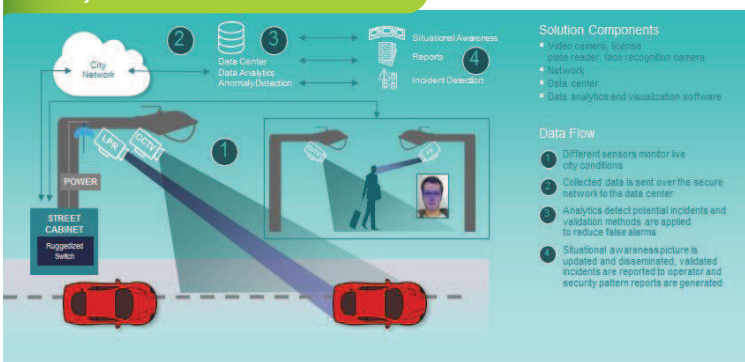
Gateway of Kolkata



Gateway of Kolkata



Project Safe Citizen



Solution courtesy CISCO



Business Incubation Center

- Creation of 100 entrepreneurs in 5 years
- Training 500 youths per year
- Organised vending zones for 600 informal vendors

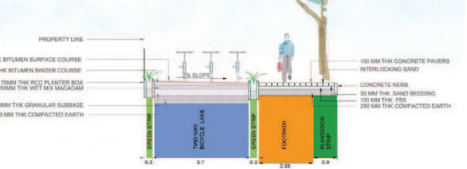
Project Mobility & Connectivity 3.6.4

D. Pedestrian friendly walkways

Innovative Street Furniture



Section of bicycle and pedestrian track



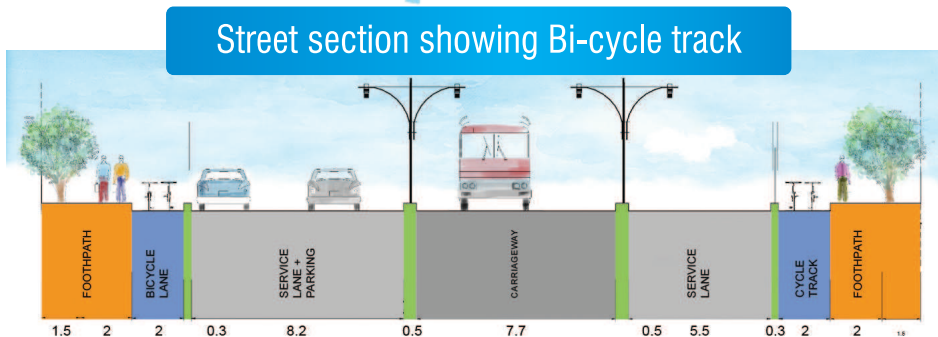
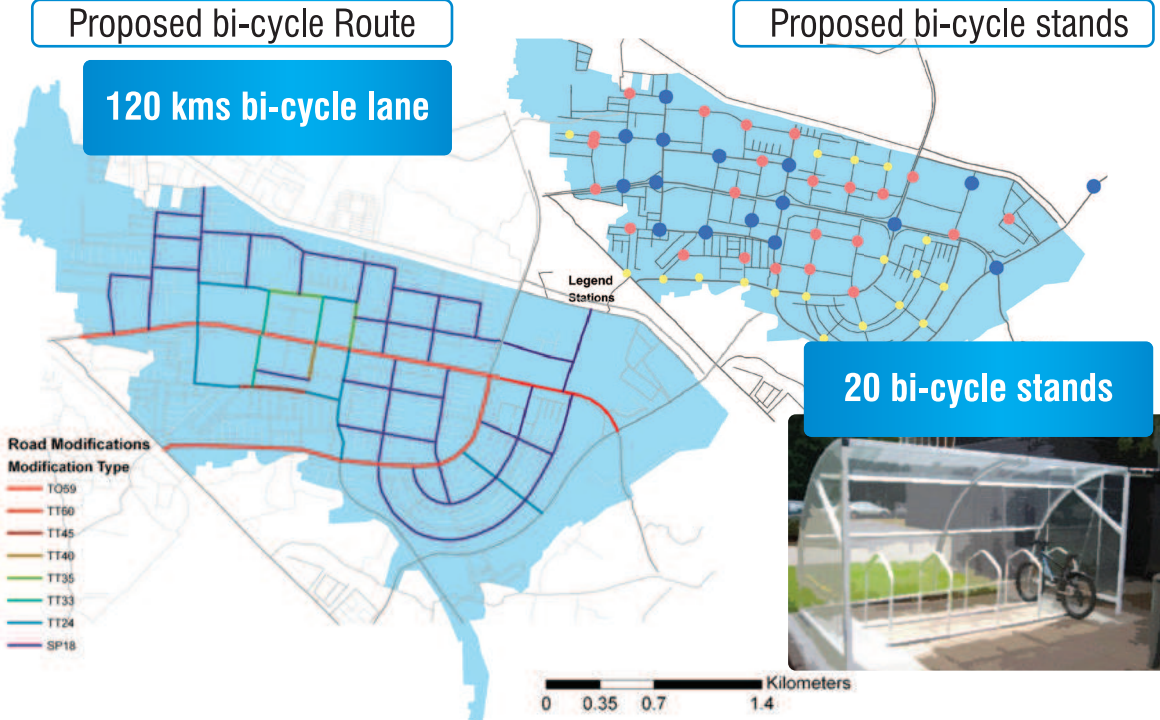
B. Smart Auto-toto stands



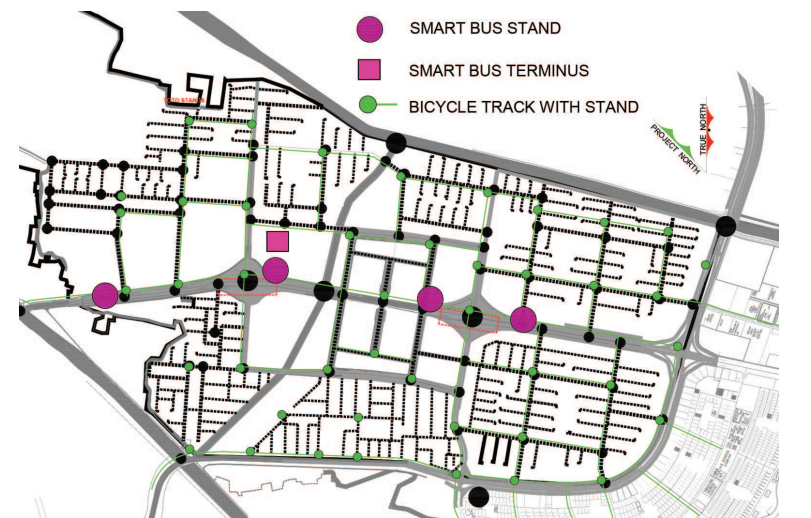
A. Smart Bus Stands and Terminus



C. Bi-cycle Track and Sharing Program



E. Smart Parking Areas

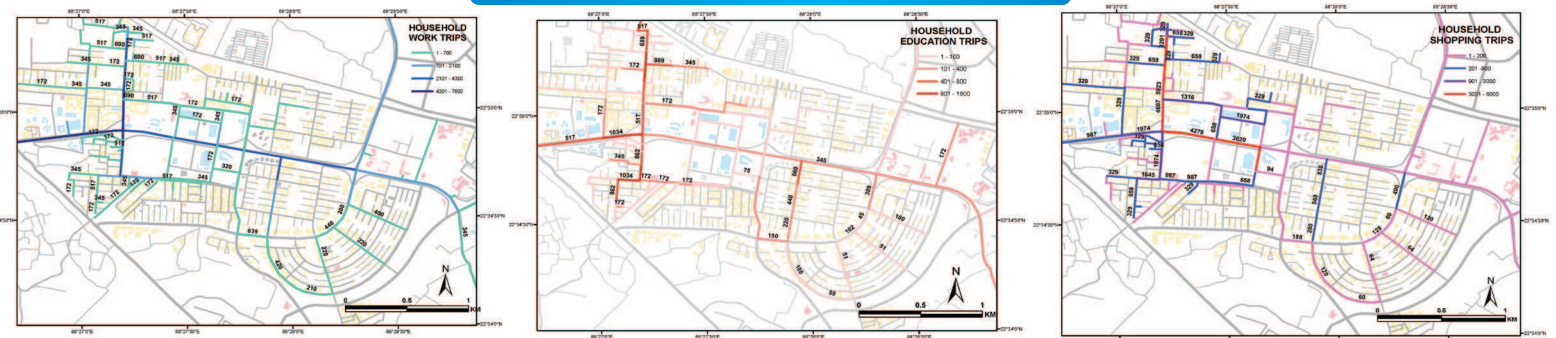


9 smart parking areas



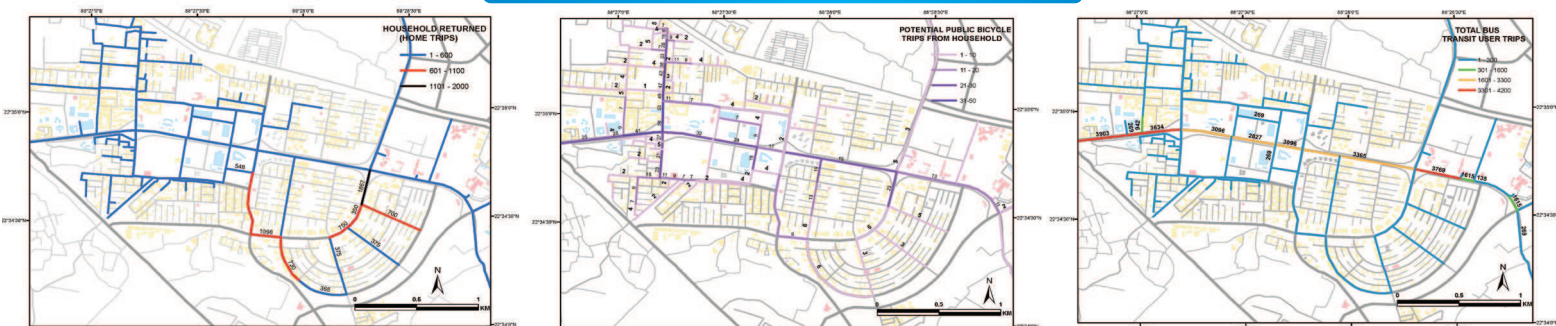
Solution courtesy CISCO

Origin Destination Survey



Source IIT, Kharagpur

Analysis of survey results



Source IIT, Kharagpur

F. App based services



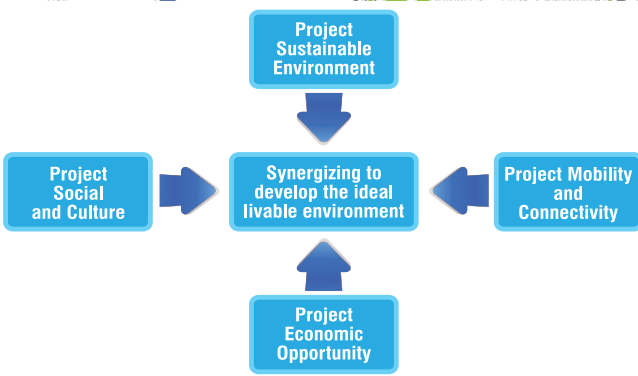
Car pooling Ride sharing



E- rickshaws/ E- totos Wi-Fi connectivity

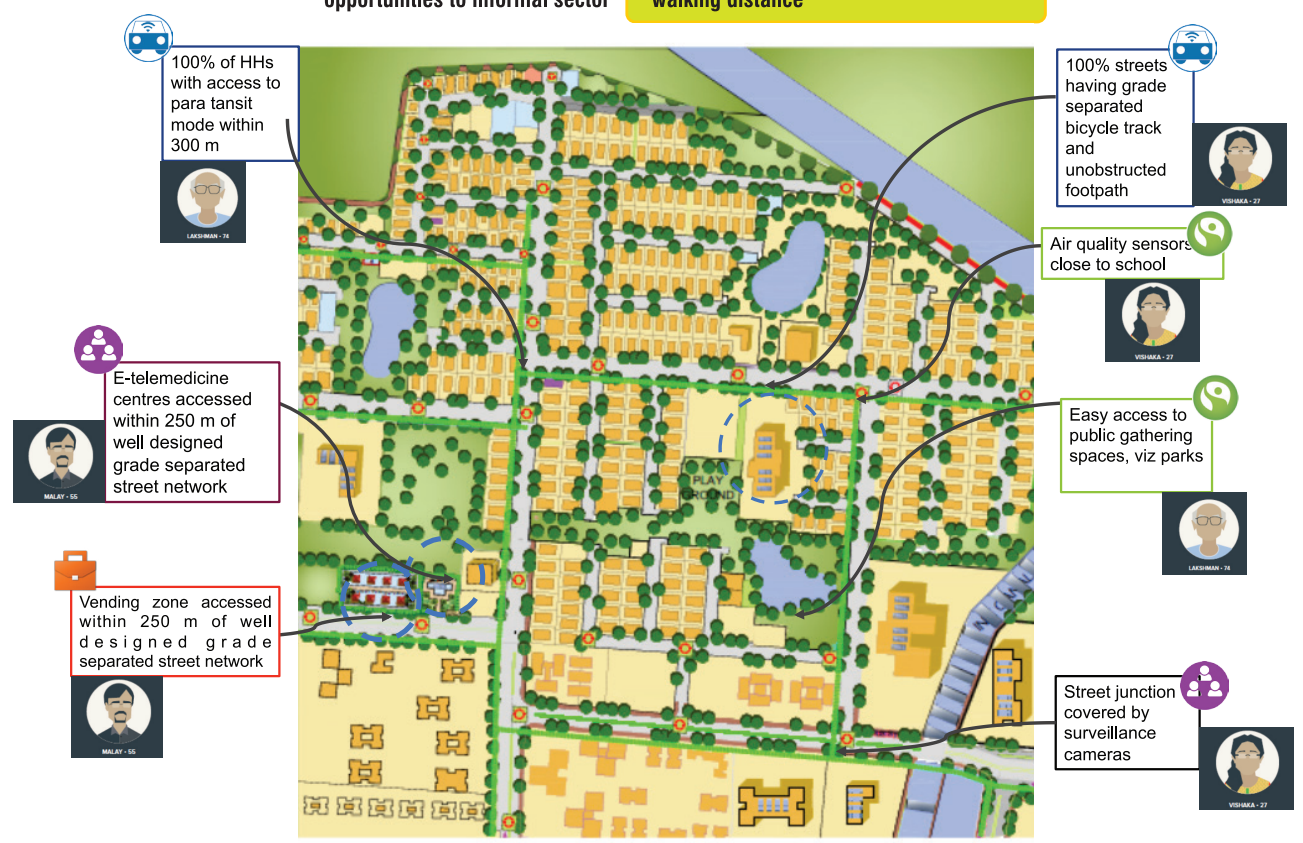
Model "Livable" Neighbourhood

3.6.5

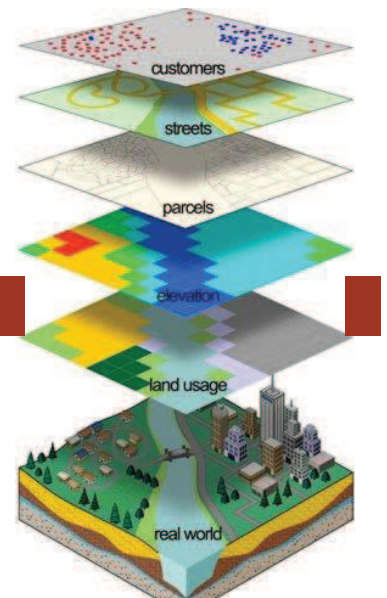
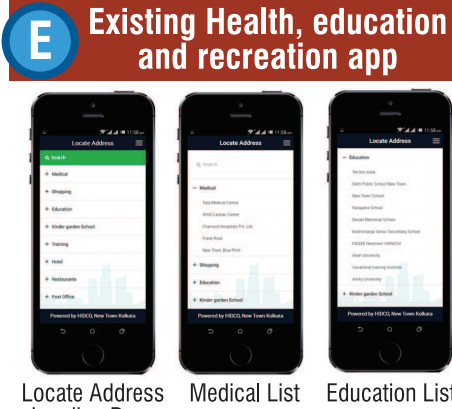
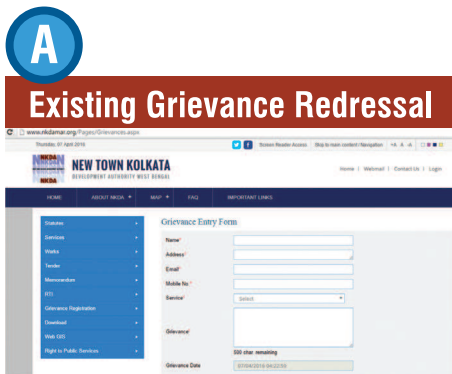
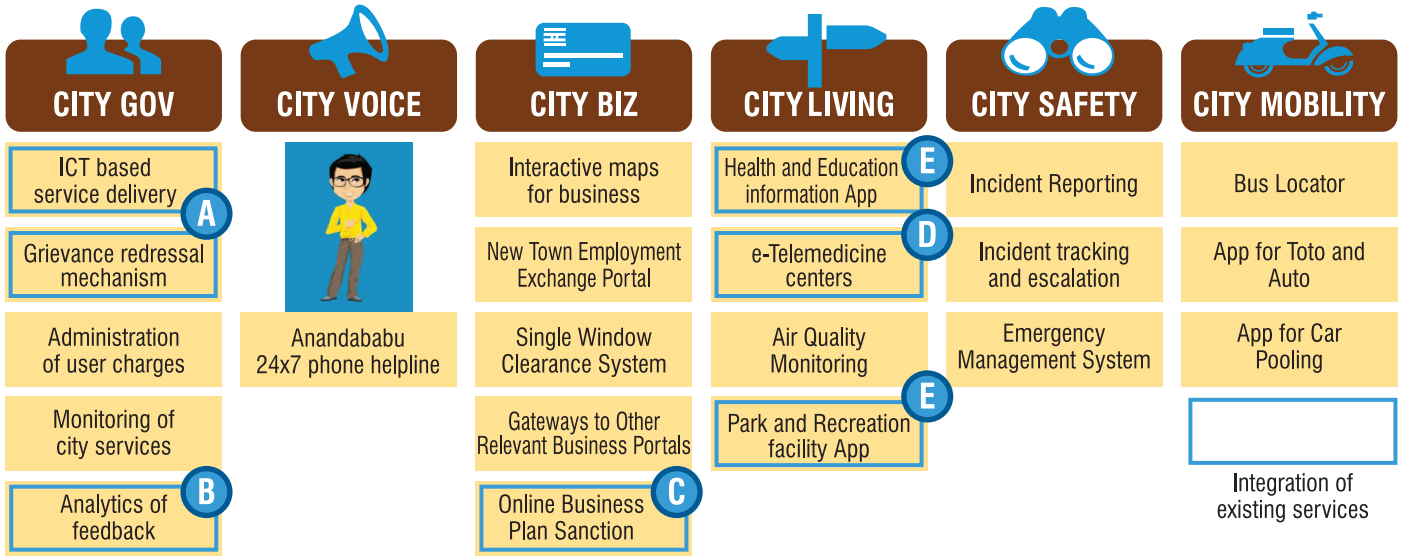


Citizen Feedback	Need and Challenges	Solutions
<p>VISHAKA 27</p> <p>Living circumstances: [Handwritten notes]</p> <p>Profession: [Handwritten notes]</p> <p>Location: [Handwritten notes]</p> <p>Preferred ways of communication: [Handwritten notes]</p> <p>Time pressure: [Handwritten notes]</p> <p>Needs: [Handwritten notes]</p> <p>Challenges: [Handwritten notes]</p> <p>Subjective Happiness: [Handwritten notes]</p>	<p>Lack of walking & Cycling environment</p> <p>Poor air quality</p> <p>Perception of unsafety</p>	<p>[Icon: Person on bicycle]</p> <p>[Icon: Air quality sensor]</p> <p>[Icon: Three people]</p>
<p>MALAY 55</p> <p>Living circumstances: [Handwritten notes]</p> <p>Profession: [Handwritten notes]</p> <p>Location: [Handwritten notes]</p> <p>Preferred ways of communication: [Handwritten notes]</p> <p>Time pressure: [Handwritten notes]</p> <p>Needs: [Handwritten notes]</p> <p>Challenges: [Handwritten notes]</p> <p>Subjective Happiness: [Handwritten notes]</p>	<p>Access to doctors and health facilities</p> <p>Limited access to markets</p>	<p>[Icon: Three people]</p> <p>[Icon: Shopping bag]</p>
<p>LAKSHMAN 74</p> <p>Living circumstances: [Handwritten notes]</p> <p>Profession: [Handwritten notes]</p> <p>Location: [Handwritten notes]</p> <p>Preferred ways of communication: [Handwritten notes]</p> <p>Time pressure: [Handwritten notes]</p> <p>Needs: [Handwritten notes]</p> <p>Challenges: [Handwritten notes]</p> <p>Subjective Happiness: [Handwritten notes]</p>	<p>Last mile connectivity through para-transit mode</p> <p>Public gathering spaces</p>	<p>[Icon: Person on bicycle]</p> <p>[Icon: Three people]</p>

- Social Amenities and Transport nodes
 - Grade separated walkways and bicycle tracks
 - Solar powered streetlights, solar panels in markets and public buildings
 - Vending Zones providing economic opportunities to informal sector
- For all within a radius of 300 m
 - Safe for children and elderly
 - Reducing the carbon footprint of the neighbourhood
 - Markets within walking distance



ONE - NKDA INTELLIGENT GOVERNANCE SYSTEM



Pan City Physical Components



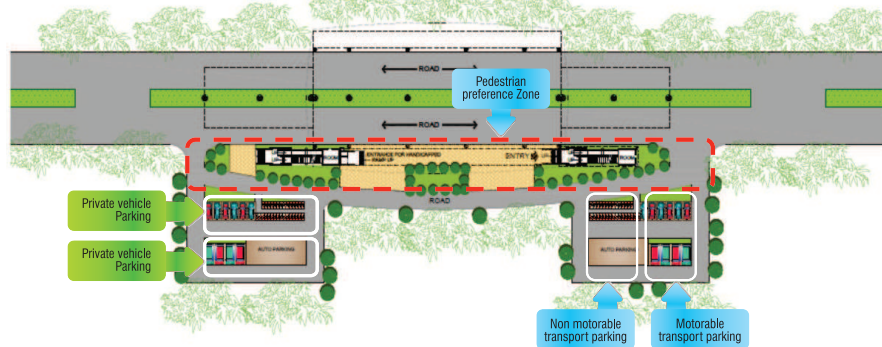
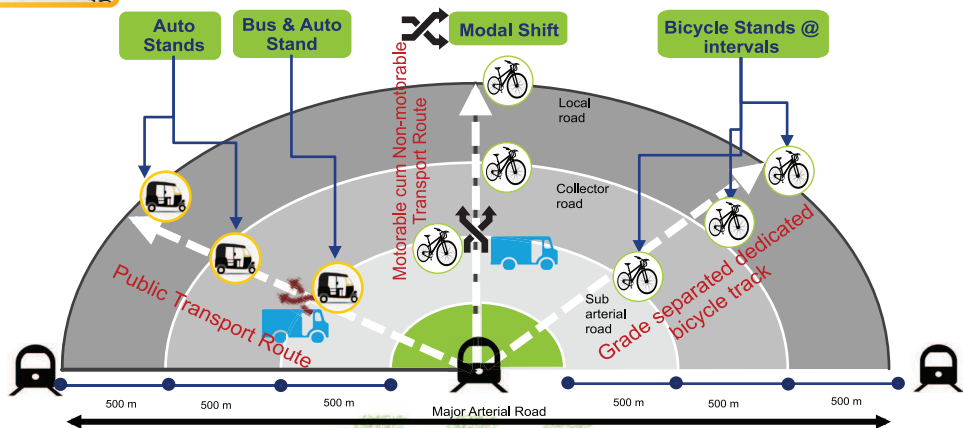


8 metro stations on MAR

Average distance between 2 metro stations is 1.5 km

Average footfall per metro station in 2020 = 16000

“Multi-modal transport hub at the metro station – part of pan city mobility plan to create seamless transport connectivity across the public transport modes”



CITY MOBILITY MODULE

- Smart auto-toto app
- Bus Loactor
- App for Ride pooling
- Fare integration for e-buses
- Smart bus stands with passenger information system

View of multimodal hub at Metro station



Impact Performance Matrices

3.8

		BASELINE CHARACTER (MARCH, 2016)	TARGET	
Area based Development	GOVERNANCE IMPACT	Households visiting one - NKDA centers	No such center operational	25% of the 2468 residing households
		Area under ICT based surveillance	No technology based surveillance	70% of the 14 key intersections
		Average time in emergency Response	30 - 45 minutes	50% less time from baseline
		Parking Revenue growth	₹ 3,25,000/month only	25% increase from current levels
		Single Window clearance	15 days (trade licenses), 30 days (Building Plan)	7 days (trade licenses), 21 days (Building Plan)
	SPATIAL IMPACT	Pedestrian footfalls in public open spaces	Average 1100 person per day	25% increase in pedestrian footfalls
		Increase in open space/person	2.6 Sq.m./person	30% increase in ratio in next 5 years
		Dedicated grade separated bicycle track	No dedicated bicycle track	70% of the 73.6 km road length
	ECONOMIC IMPACT	Development of entrepreneurs	Zero. No such incubation center	100 entrepreneurs in next 5 years
		Training of youth	Zero. No Skill Development Center	More than 500 youth per year
		Job creation for vendors	Around 350 vendors	Jobs to additional 250 vendors
		Number of productive person-days lost	No baseline information existing	20% reduction in productive persons-day loss
	SOCIAL IMPACT	Students taught through community tutorials	No such community based education system	100 students per year
		Residents visiting e-Telemedicine centers	No such e-Telemedicine Center	10% residents (FY 15 population-11,103)
		Citizens availing ICT based safety & security	No such ICT based projects operational	60% of the people (FY 15 population 11,107)
	SUSTAINABILITY IMPACT	Share of energy from renewable sources	1% from renewable energy	10% from renewable energy
		Share of Non-motorized transport	13% in FY 16	20% in FY 20 (next 5 years)
		Replacement of conventional street lights with LED	34% of the 4088 street lights	60% replacement with LED
Saving in electricity bills (Energy efficiency)		Electricity bill of INR 5.4 crores	20% savings in electricity bills	
Pan City Projects	GOVERNANCE IMPACT	Single Window clearance	15 days (trade licenses), 30 days (Building Plan)	7 days (trade licenses), 21 days (Building Plan)
		Citizen grievances addressed satisfactorily	23% (51 out of 222 received) in FY 15	70% of the citizen grievances
		Citizen using One-NKDA IGS	No such integrated app/e-Governance portal	85% of residents (FY 15 population-36097)
		Reduction in footfalls in NKDA main office	No Baseline information	50% reduction in footfall (ONE-NKDA IGS)
	PUBLIC SERVICES	Average time in emergency response	Present- 30-45 minutes	50% less time in emergency response
		Road fatalities and accidents	67 in FY15	20% decrease from baseline level
		Emission level	Average daily SPM, NO2 and SO2 emissions 183.22 µg/m³, 54.11 µg/m³ and 4.17 µg/m³	20% reduction from current levels in the next 5 years
		Average last/ first mile connectivity waiting time	20 minutes	10 minutes (50% reduction)
		Citizens visiting pedestrian only zones	Average 8000+ persons daily	25% increase in footfall

Implementation Plan

3.9.1

Q32

NO.	ACTIVITY	Pan City projects, linked with and dependent on ABD project components																																			
		CY: Calendar Year starting with January						CY 2017						CY 2018						CY 2019						CY 2020						CY 2021					
		Short Term				Medium Term								Long Term																							
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4									
SMART CITY NKDA																																					
Formation of Special Purpose Vehicle (SPV)																																					
AREA BASED DEVELOPMENT (ABD)																																					
A0	Selection & on boarding of Technical service providers	Appointed by SPV																																			
A 0.1	Selection PMC consultants for managing all ABD proposals																																				
A 0.2	Preparation of DPR (stakeholders consultations, need analysis, system capabilities & sizing, costing, O&M plan etc.) for ABD projects																																				
A 0.3	Communication and Change Management	Capacity building and change Management support																																			
A1 Project SUSTAINABLE ENVIRONMENT																																					
A1.0	Feasibility studies and Detailed project report																																				
A1.1	10% energy requirement from Solar Power	Project Highlights: Procurement and installation of solar powered LED lights, solar panels. Capacity building and O&M support																																			
A1.1.1	Tender Documentation																																				
A1.1.2	Bid Process Management																																				
A1.1.3	Project execution	Implementation in phased manner																																			
A1.2	ENERGY EFFICIENCY PROJECT	Project Highlights: Procurement & Installation of LED lights, Filament lamp elimination, O&M support																																			
A1.2.1	Policy incentives to encourage citizens/developers use contemporary green architectural design																																				
A1.2.2	Tender Documentation																																				
A1.2.3	Bid Process Management																																				
A1.2.4	Project execution																																				
A 1.3	SENSOR BASED AIR POLLUTION MONITORING	Highlights: Procurement of sensors on the light poles and LED display boards, O&M																																			
A1.3.1	Policy on construction material storing and disposal																																				
A1.3.2	Tender Documentation																																				
A1.3.3	Bid Process Management	One-NKDA IGS CITY LIVING																																			
A1.3.4	Project execution																																				
Programme Evaluation and Impact Assessment																																					
A2 Project SAVE AND SAFE WATER																																					
A2.0	Technical feasibility, DPR and detailed design	Highlights: Policy formulation, Procurement of SCADA and sensor technology & linkage with Command and Control center, capacity building and O&M support.																																			
A2.1	WATER QUALITY MANAGEMENT (SCADA), STORM WATER REUSE AND RAIN WATER HARVESTING																																				
A2.1.1	Policy incentives for I) undertaking waste water recycling and re-use using dual piping system, II) Enhancing ground water recharge & rainwater harvesting	Quality Monitoring from Control Center																																			
A2.1.2	Tender Documentation																																				
A2.1.3	Bid Process Management																																				
A2.1.4	Project execution	Implementation in phased manner																																			
A2.2	IT BASED SEWERAGE AND DRAINAGE MONITORING	Highlights: Procurement & installation of sensor based drainage covers and technologies & linkage with Command and Control center, capacity building and O&M support																																			
A2.2.1	Tender Documentation																																				
A2.2.2	Bid Process Management																																				
A2.2.3	Project execution																																				
Programme Evaluation and Impact Assessment																																					
A3 Project ZERO																																					
A3.0	Technical feasibility, Detailed Project Report																																				
A3.1	Waste segregation at source, GPS tracking vehicles, E-Bins, E-waste processing facility, app based construction waste management	Highlights: Policy revision, procurement & installation of technology and solutions, capacity building and O&M support																																			
A3.1.1	Policy revision incorporating zero littering initiative, decentralized composting at residential and commercial establishments																																				
A3.1.2	Tender Documentation																																				
A 3.1.3	Bid Process Management																																				
A 3.1.4	Project execution	Implementation in phased manner																																			
Programme Evaluation and Impact Assessment																																					
A4 PROJECT SMART METERING																																					
A4.0	Technical feasibility, DPR and detailed design																																				
A4.1	Installation of Smart Water Meters at Household level	Highlights: Procurement of technology and solutions, installation, capacity building and O&M support																																			
A4.1.1	Tender Documentation																																				
A 4.1.2	Bid Process Management																																				
A 4.1.3	Project execution																																				
A4.2	Installation of Smart Electricity Meters at Household level	Highlights: Procurement of technology and solutions, installation, capacity building and O&M support																																			
A4.2.1	Tender Documentation																																				
A 4.2.2	Bid Process Management																																				
A 4.2.3	Project execution																																				
Programme Evaluation and Impact Assessment																																					
A5 PROJECT ONE-NKDA																																					
A5.0	Detailed Project Report																																				
A5.1	Develop 4 common service centers (One-NKDA centers) and 15 e-kiosks	Highlights: Procurement of technology, installation and system integration, capacity building & implementation support																																			
A5.1.1	Development of CSC and E-kiosk location plan																																				
A 5.1.2	Development of Interface management plan																																				
A 5.1.3	Tender Documentation	One-NKDA IGS CITY GOV																																			
A5.1.4	Bid Process Management																																				
A 5.1.5	Project execution	Creation of 12 One-NKDA centers and 120 e-Kiosks in other parts																																			

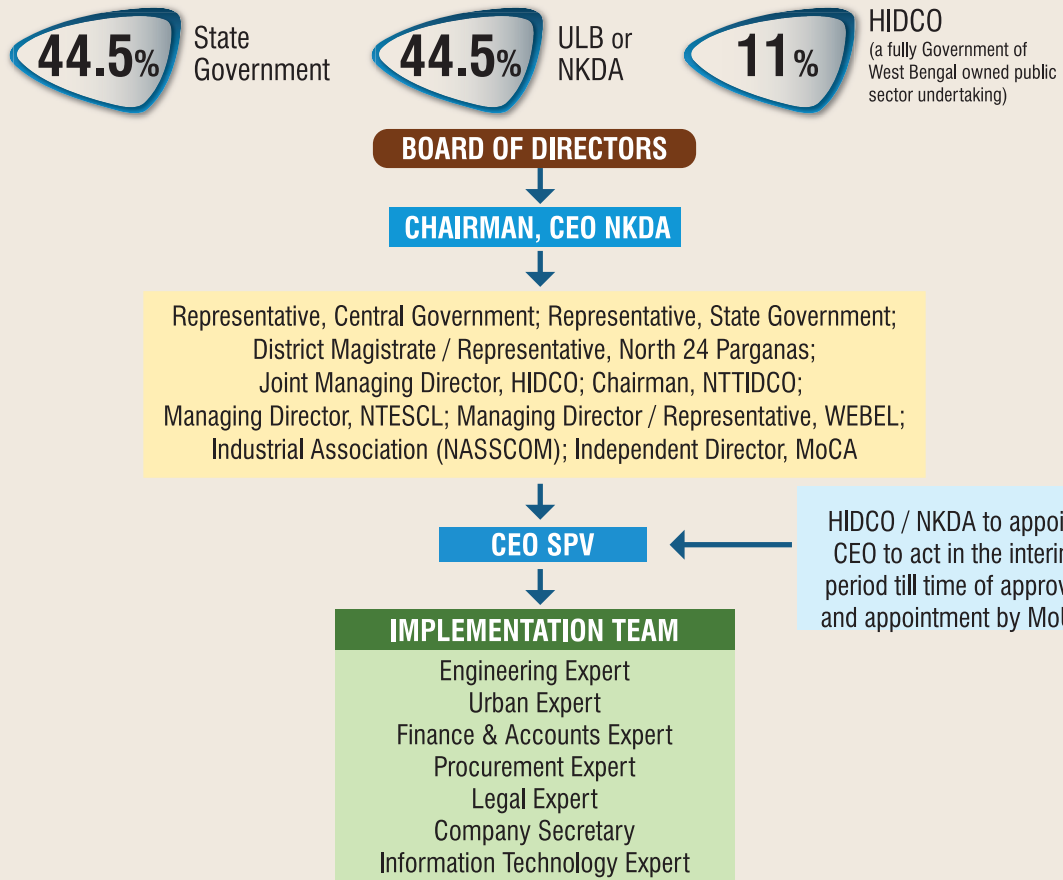
NO.	ACTIVITY	Pan City projects, linked with and dependent on ABD project components																																			
		CY: Calendar Year starting with January						CY 2017						CY 2018						CY 2019						CY 2020						CY 2021					
		Short Term				Medium Term								Long Term																							
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4									
SMART CITY NKDA																																					
Programme Evaluation and Impact Assessment																																					
A6 PROJECT SOCIAL AND CULTURE																																					
A6.1	HEALTH- EMERGENCY RESPONSE SYSTEM FOR ELDERLY, EDUCATION AND CULTURAL ESTABLISHMENTS	Highlights: Procurement of technology and solutions, Installation, implementation and O&M support																																			
A6.1.1	Formation of City Level Committee																																				
A6.1.2	Feasibility studies and Detailed project report																																				
A6.1.3	Tender Documentation	One-NKDA IGS CITY LIVING																																			
A6.1.4	Bid Process Management																																				
A6.1.5	Project execution																																				
Programme Evaluation and Impact Assessment																																					
A7 Project MOBILITY & CONNECTIVITY																																					
A7.0	Infrastructure planning, feasibility and DPR																																				
A7.1	SMART BUS STANDS AND TERMINUS, SMART PARKING	Highlights: Procurement of solution and technologies, development, implementation, capacity building and O&M																																			
A7.1.1	Tender Documentation	ONE-NKGA IGS: CITY MOBILITY																																			
A7.1.2	Bid Process Management	Smart Bus public information system																																			
A7.1.3	Project execution	Phased Implementation																																			
A7.2	BI-CYCLE TRACK AND RENTAL PROGRAM	Highlights: Dedicated bi-cycle lanes, ramps along bi-cycle tracks, bi-cycle stands/shelters, Partnering with private agencies to provide bi-cycles on rental basis																																			
A7.2.1	Tender Documentation																																				
A7.2.2	Bid Process Management																																				
A7.2.3	Project execution	Phase wise Implementation																																			
A7.3	PEDESTRIAN FRIENDLY PATHWAYS AND NON VEHICLE STREETS/ ZONES	Highlights: Development of policy & Manual, Identification of areas, Procurement of technologies, Design & development of street furniture and O&M support																																			
A7.3.1	Develop Street design manual highlighting signage, footpath design, plantations, street furniture etc.																																				
A7.3.2	Policy formulation on covering construction sites with flex print of proposed façade for better street scape	One-NKDA IGS City Living																																			
A7.3.3	Tender Documentation																																				
A7.3.4	Bid Process Management																																				
A7.3.5	Project execution	Phase wise Implementation																																			
A7.4	PRIVATE AND PARA-TRANSIT MODES- LAST MILE CONNECTIVITY, App based carpooling	Highlights: Solution procurement for availing e-rickshaws and e-Totos through mobile app, GPS enabled bus tracking, toto and auto stands and O&M																																			
A7.4.1	Tender Documentation																																				
A7.4.2	Bid Process Management	One-NKGA IGS: City Mobility																																			
A7.4.3	Project execution	Phase wise Implementation																																			
Programme Evaluation and Impact Assessment																																					
A8 PROJECT SAFE CITIZEN																																					
A8.0	Upgradation of existing DPR on Safe City																																				
A8.1	CCTV cameras on light poles for 24/7 surveillance and video analytics, single point emergency response system.	Highlights: Procurement of solution providers, design-development-implementation of architecture, capacity building, O&M support																																			
A8.1.1	Tender Documentation	One-NKGA IGS: City Mobility																																			
A8.1.2	Bid Process Management	One-NKGA IGS: City Voice																																			
A8.1.3	Project execution	Phase wise Implementation																																			
A8.2	INTELLIGENT STREET LIGHTING, IMMEDIATE RESPONSE-PANIC BUTTON	Highlights: Procurement of solution, implementation, capacity building, O&M																																			
A8.2.1	DPR and Rollout strategy																																				
A8.2.2	Tender Documentation																																				
A8.2.3	Bid Process Management																																				
A8.2.4	Project execution																																				
Programme Evaluation and Impact Assessment																																					
A9 PROJECT ECONOMIC OPPORTUNITY																																					
A9.1	Smart Vending Zones	Highlights: Procurement of solution providers, design and development of zones, O&M support																																			
A9.1.1	Area assessment and identification of Zones																																				
A9.1.2	Detailed Project Report																																				
A9.1.3	Tender Documentation																																				
A9.1.4	Bid Process Management																																				
A9.1.5	Project execution	Phase wise Implementation																																			
A9.2	Business Incubation Cell, Skill Development Center and Common Service Centers	Highlights: Procurement of solution providers, design and development of infrastructure, O&M support																																			
A9.2.1	Technical feasibility, design and DPR																																				
A9.2.2	Tender Documentation	One-NKGA IGS: City Biz																																			
A9.2.3	Bid Process Management	One-NKGA IGS: City Living																																			
A9.2.4	Project execution	Phase wise Implementation																																			

Implementation Plan

3.9.2

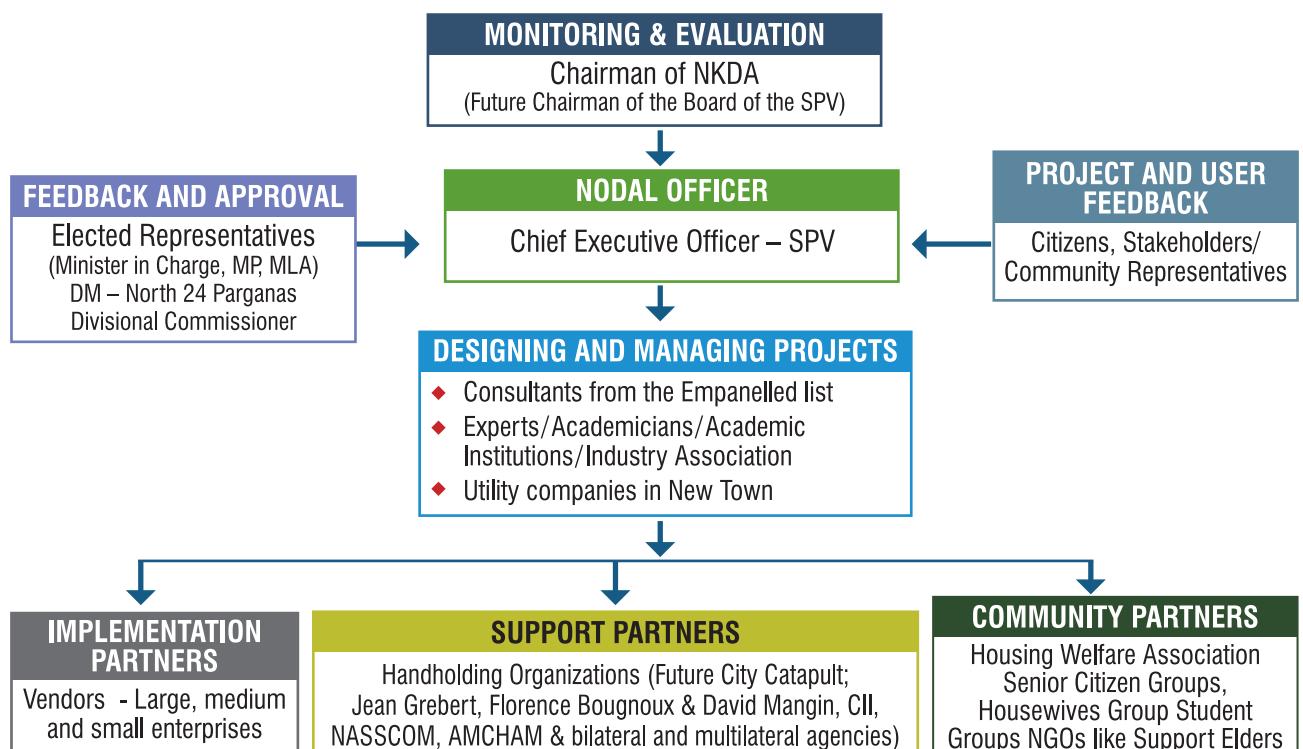
SPV STRUCTURE (Q.33)

SPV will be a Limited Company, with the following shareholding pattern:



IMPLEMENTATION PLAN – STAKEHOLDER ROLE (Q.36)

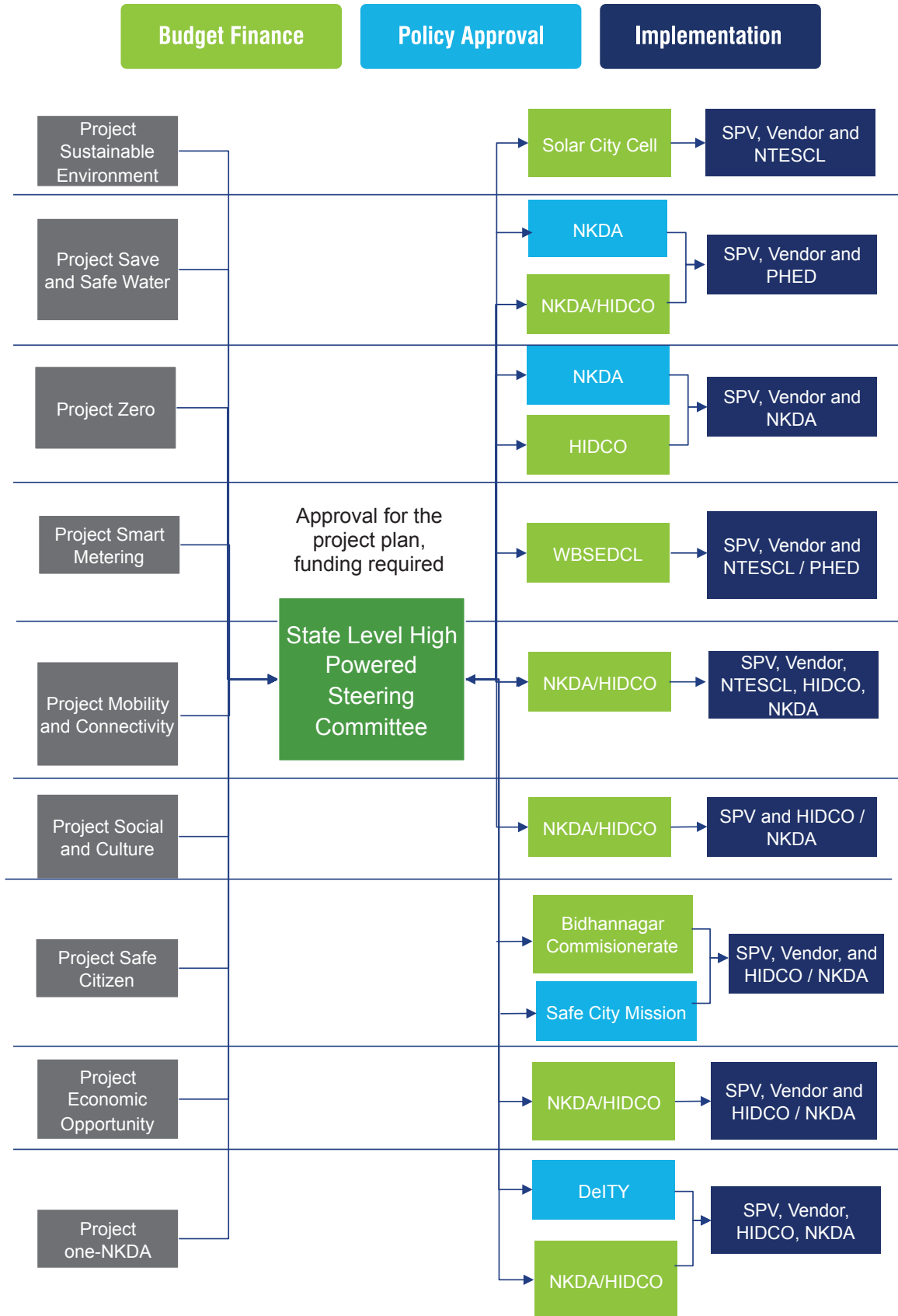
PRESENT AND FUTURE ROLE OF RELEVANT STAKEHOLDERS



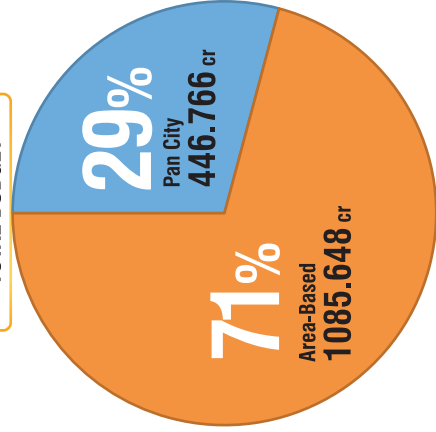
Implementation Plan

3.9.3

Flowchart showing the network/relationships that the SPV will form with Government/ Non-Government Organizations (Q.34)



TOTAL BUDGET



SOURCE OF FUND (FIGURES IN INR CRORES)

Solar City	20.74
Deity	2.00
Digital India	10.00
Safe Cities	10.22
Smart City Mission	982.16
PPP	106.62
CSR	15.00
NKDA/HIDCO	385.67
Total	1532.41

O&M COST PER ANNUM (FIGURES IN INR CRORES)

Total O&M Cost per year	47.18
Sources (Per annum)	
User Charges	11.02
CSR	0.10
PPP	15.65
SPV (Transfer of Property Tax)	25.67
Total Recovery	52.44
Surplus/(Deficit)	5.26

1. PAN CITY PROJECTS

S.No	Component	Capital Cost (in Crores)	Life Time Cost (in Rs Crore)	Financing- Capital Cost (in Rs Crore)				Recovery-Operation and Maintenance Cost (in Rs Crore)									
				Solar City	Deity	Digital India	Safe Cities	Smart City Mission	PPP	CSR	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV	Total
1	One NKDA IGS	11.06	341.05	0.00	2.00	0.00	10.22	170.75	16.04	0.00	32.09	231.10	1.69	0.07	5.41	3.89	11.06
2	Pan City Smart and Safe Mobility	2.12	63.47	0.00	0.00	0.00	0.00	27.31	0.00	15.00	42.31	1.31	0.00	0.00	0.81	2.12	
3	Smart City Building @4%	13.17	10.02	0.00	2.00	0.00	10.22	10.04	16.04	0.00	32.09	20.41	2.89	0.07	8.41	4.70	13.17
4	Advt Implementation Charge Management @7.5%	13.7	13.67					13.67				13.67					
5	Advt Contingencies @7.5%	20.5	20.51					20.51				20.51					
6	Sub Total(A) - Pan City Projects (which is averaged by ABB proposal also)	45.1	45.11					45.11				45.11					
7	Site Terminus	6.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	0.00	0.00	0.00	0.30	6.30
8	Public and intra-city electric bus locatiorapp. s/w	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	0.00	0.08	3.08
9	Decentralised Solid Waste Management	1.50	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.00	0.00	0.00	0.08	1.58
10	Digitalisation of Records, capacity	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00	0.00	0.00	0.00	0.00	10.00
11	Building for LED	90.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	90.00	0.00	0.00	0.00	0.00	90.00
12	Sub Total(B)	123.24	167.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50	128.24	1.64	0.00	4.50	0.00	4.50
13	Total Pan-City (A+B+C)	446.77	637.69	20.74	2.00	10.00	10.22	243.17	106.04	15.00	39.59	446.77	4.33	0.07	9.91	5.08	19.08

ONE NKDA IGS

Component	Unit	Unit Cost (in Rs lakh)	Total Cost (in Rs Lakh)	O&M Cost per annum (in Rs Lakh)	Financing- Capital Cost (in Lakhs)				Recovery-Operation and Maintenance Cost (in Rs Lakhs)								
					Deity	Safe Cities	Smart City Mission	PPP	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV	Total		
City Biz ICT	1	800	800	305.06					800.00								800.00
Innovation Center	4	1209	4836	241.80					1209.00								241.80
Skill Development Center	2	232.5	465	23.25					116.25								23.25
City Gov	1	145.80	145.80						145.80								145.80
One NKDA Centers	8	139.50	1116	55.80					279.00								55.80
City Voice	1	160	160	8.00					160.00								8.00
Anandababu - 24x7 call centre	1	110	110	5.50					110.00								5.50
Data Analytics	1	50	50	2.50					50.00								2.50
City Safety	1	4013.1	20066	2006.6					1022.38								2006.6
File Medicine Kiosks	18	15	270	13.50					270.00								13.50
City Mobility	1	150	150	7.50					150.00								7.50
Public and intra-city electric bus locatiorapp. s/w	LS	50	50	2.50					50.00								2.50
Auto app	LS	50	50	2.50					50.00								2.50
Ride pooling app. s/w	LS	50	50	2.50					50.00								2.50
Command & Control Centre, Data Center and WiFI	8500	0.02	8500	425.00					8500.00								425.00
Digital Literacy	40000	0.02	800	800.00					800.00								800.00
IOT Pilots	200	200.00	200.00	200.00					200.00								200.00
Total		2310.10	1105.51	200.00	1022.38	17074.97	1694.25	3208.50	2310.10	188.93	6.75	540.85	388.88	1105.51			

PAN CITY MOBILITY AND CONNECTIVITY

S.No	Component	Unit	Unit Cost (in Rs lakh)	Total Cost (in Rs Lakh)	O&M Cost (in Rs Lakh)	Financing- Capital Cost (in Lakhs)				Recovery-Operation and Maintenance Cost (in Rs Lakhs)							
						Smart City Mission	PPP	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV	Total			
1	Smart bus shelters with LED displays	108	15.00	1620.00	81.00				1620.00								81.00
2	Smart Kiosks at block level	120	3.00	360.00	18.00				360.00								18.00
3	ToTo, Auto Smart Stands	60	10.00	600.00	30.00				600.00								30.00
4	e-Bus	3	500.00	1500.00	75.00				1500.00								75.00
5	Smart Mobility Cards	23	0.05	1.15	0.06				1.15								0.06
6	GPS based buses	23	0.05	1.15	0.06				1.15								0.06
Total			4231.15	211.56	2731.15	1500.00	4231.15	130.50	81.06								

2. AREA BASED PROJECTS

S.No	Component	Capital Cost (in Crores)	O&M Cost per year (in Crore)	Life Time Cost (in Crore)	Financing- Capital Cost (in Rs Crore)				Recovery-Operation and Maintenance Cost (in Rs Crore)					
					Smart City	PPP	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV	Total	
1	Project Economic Opportunities	20.85	1.04	31.28	2.79	0.00	18.06	20.85	0.14	0.00	0.00	0.60	0.29	1.04
2	Project Safe Citizen	18.71	0.94	28.07	18.71	0.00	0.00	18.71	0.84	0.00	0.00	0.00	0.40	0.94
3	Project One NKDA	6.03	0.30	9.05	1.17	0.00	4.86	6.03	0.02	0.00	0.28	0.00	0.30	
4	Project Sustainable Environment	96.42	4.81	144.52	96.42	0.00	0.00	96.42	0.00	0.00	4.26	0.56	4.81	
5	Project Save & Safe Water	333.21	4.14	374.59	333.21	0.00	250.00	333.21	1.03	0.00	0.00	4.14	5.16	
6	Project Zero	23.39	1.17	35.09	23.39	0.00	0.00	23.39	0.52	0.00	0.00	0.65	1.17	
7	Project Smart Metering	148.50	1.49	163.35	148.50	0.00	0.00	148.50	0.80	0.00	0.00	0.59	1.49	
8	Project Mobility and Connectivity	250.25	12.49	375.13	205.25	0.00	45.00	250.25	2.40	0.00	0.31	9.78	12.49	
9	Project Social and Culture	34.53	1.73	51.79	5.78	0.58	28.16	34.53	1.44	0.03	0.29	1.64	3.40	
Sub Total-(A)		931.89	28.10	1212.85	585.22	0.58	346.08	931.89	6.59	0.03	5.74	18.03	30.79	
1	Advt. Capacity Building @4%	37.28		37.28				37.28						
2	Advt. Implementation Change Management @5%	46.59		46.59				46.59						
3	Advt. Contingencies and Project Management @7.5%	69.89		69.89				69.89						
Sub Total-(B)		153.76	0.00	153.76	0.00	0.00	346.08	1085.65	6.59	0.03	5.74	18.03	30.79	
Total		1085.65	28.10	1366.61	738.98	0.58	346.08	1085.65	13.18	0.03	11.48	36.03	61.58	

PROJECT ECONOMIC OPPORTUNITIES

Elements/ Modules	Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)				O&M Cost per year (in Rs Lakh)				Recovery-Operation and Maintenance Cost (in Rs Lakhs)					
			Smart City	PPP	NKDA/HIDCO	Total	Smart City	PPP	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV	Total	
Incubation Center	1	1209.00				1209.00	60.45			156.00	1053.00	1209.00	0.00	0.00	60.45	
Common Service Center	4	93.465				373.86	18.69			48.24	325.62	373.86	1.87		16.82	
Vending Zones	3	90.00				270.00	13.50			45.00	225.00	270.00	0.90		12.60	
Skill Development Center	1	232.50				232.50	11.63			30.00	202.50	232.50	11.63		11.63	
Total (1+2+3+4)						2085.36	104.27			279.24	1806.12	2085.36	14.39		60.45	104.27

PROJECT SAFE CITIZEN

Component	Unit	Unit Cost (in Rs lakh)	Total Cost (in Rs Lakh)	O&M Cost (in Rs Lakh)	Financing- Capital Cost (in Lakhs)				Recovery-Operation and Maintenance Cost (in Rs Lakhs)								
					Smart City	PPP	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV	Total				
CCTV Surveillance and Video Analytics																	
Intelligent streetlights and panic buttons	1512	0.1	151.20	7.56				151.20	1719.90				54.00		32.00	7.56	86.00
Total (1+2)			1871.10	93.56	1871.10	1871.10	54.00	39.56	54.00	1871.10	1871.10	54.00	39.56	54.00	39.56	93.56	

PROJECT ONE-NKDA

Elements/ Modules	Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)				O&M Cost per year (in Rs Lakh)				Recovery-Operation and Maintenance Cost (in Rs Lakhs)			
			Smart City	PPP	NKDA/HIDCO	Total	Smart City	PPP	NKDA/HIDCO	Total	User Charges	CSR	PPP	SPV
One-NKDA Centers	4	139.50				558.00	27							

PROJECT SUSTAINABLE ENVIRONMENT

Elements/ Modules		Units	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	Total	Recovery-Operation and Maintenance Cost (in Rs Lakhs)		
Sr No	Elements/ Modules	Units	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	Total	PPP	SPV	
A Solar and LED										
1	Solar Power - Public Buildings			7010.00	350.50	7010.00	7010.00	350.50		350.50
2	Solar Panels- Pathway along link Canal			700.00	35.00	700.00	700.00	35.00		35.00
3	Solar Panels- Canal Top			1829.20	91.46	1829.20	1829.20	91.46		91.46
4	Vegetable and Flower Garden	7500	0.03	2743.80	137.19	2743.80	2743.80	137.19		137.19
5	Solar based LED lights in Parks, Bus Terminus and Traffic Signals	1512	1.00	1512.00	75.60	1512.00	1512.00	75.60		75.60
B Energy Efficiency										
1	Energy Efficient Street Lights			1672.21	82.50	1672.21	1672.21	82.50	7.5	82.50
2	Replacement of filament lamp			1500.00	75.00	1500.00	1500.00	75.00		75.00
3	Converting Government Buildings to Green Buildings	30	5.00	22.21	7.50	22.21	22.21		7.5	7.50
C Sensor Based Air Pollution Monitoring										
1	Sensor based air quality monitoring	9600	0.10	960.00	48.00	960.00	960.00	48.00	48	48.00
Total (A+B+C)				9642.21	481.00	9642.21	9642.21	425.50	55.50	481.00

PROJECT SAVE & SAFE WATER

Elements/ Modules		Units	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart Cities	NKDAH IDCO	Total	Recovery-Operation and Maintenance Cost (in Rs Lakhs)	
Sr No	Elements/ Modules	Units	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart Cities	NKDAH IDCO	Total	User Charges	SPV
A Drainage and sewerage										
1	Drainage sensors	5850	0.12	702	0	702		702		0
2	Cost of Application	1	60	60	0	60		60		0
3	ICT based drainage management	11700	0.075	877.5	0	877.5		877.5		0
4	ICT based Sewerage management	11700	0.12	1404	0	1404		1404		0
B Rain Water Harvesting										
1	Rain water harvesting in Buildings for sensor based monitoring	30	2	60	303	60		60		303.00
2	Rain water harvesting infrastructure cost			15000	150		15000	15000		150
3	ICT component for the area (assuming 20% of the capital cost is ICT element)			3000	150		3000	3000		150
C Water management										
1	Pan City Water Supply Project			12217.00	110.85					110.85
2	ICT component for the area (assuming 20% of the capital cost is ICT element)			10000	100		10000	10000		100
3	Installation of SCADA (including sensor based transducers and flow meters) in the distribution lines	1	50	50	2.5	50		50	102.5	
4	Water quality monitoring sensors	975	0.12	117	5.85	117		117		5.85
5	app based solution for ensuring collection of solid waste	1	50	50	2.5	50		50		2.5
Total : A+B+C				33321	414	8321	25000	21321	103	414

PROJECT ZERO

Elements/ Modules		Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M (%)	O&M Cost per annum (in Rs lakh)	Smart City	Total	Recovery-Operation and Maintenance Cost (in Rs Lakhs)	
Elements/ Modules	Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M (%)	O&M Cost per annum (in Rs lakh)	Smart City	Total	User Charges	SPV	Total
Solid Waste Management										
	Decentralised solid waste management (composting machine)	3	50	150	5%	7.5	150	150	3.8	7.5
	Pilot project for Waste Management Construction monitoring			1689	5%	84.45	1689	1689	42.2	84.45
				500	5%	25	500	500	6.3	25
Total				2339		116.95	2339	2339	52.2	116.95

PROJECT SMART METERING

Elements/ Modules		Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	Total	Recovery-Operation and Maintenance Cost (in Rs Lakhs)		
Elements/ Modules	Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	Total	User Charges	SPV	Total	
Smart Infrastructure										
	Smart Electric Meter	45000	0.2	9000	90	9000	9000	90		90
	Smart Water Meter	45000	0.13	5850	58.5	5850	5850	58.5		58.5
Total				14850	148.5	14850	14850	90	58.5	148.5

PROJECT MOBILITY AND CONNECTIVITY

Elements/ Modules		Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	NKDAH IDCO	Total	Recovery-Operation and Maintenance Cost (in Rs Lakhs)	
Sr.No	Elements/ Modules	Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	NKDAH IDCO	Total	User Charges	SPV
A Unrestricted Physical Mobility										
1	Smart Bus Stands and Terminus	5	15	75	3.75	75		75	6.25	0.00
2	Airport ambience type bus terminuses	1	50	50	2.5	50		50	3.75	3.75
3	App based car sharing/ride sharing program including auto hires	1	50	50	0	50		50	2.5	0
4	Smart Parking	9	150	1350	67.5	1350		1350	67.5	67.5
B Pedestrian Friendly Pathways and Non Vehicle Streets/ Zones:										
1	landscape gardening with smart street furniture using digital technology	18	5	90	4.5	90		90	0.00	179.50
2	WIFI hotspots and LED / Solar panel lighting	20	50	1000	50	1000		1000	25	4.5
3	Merging of pathways with existing citizen plaza	120	25	3000	150	3000		3000		25
C Non-Motorised Transport or Battery Operated Vehicles										
1	Bi-cycle sharing programme			18200.00	910.00			0.00	154.00	756.00
2	Dedicated bi-cycle lanes along the roads	120	150	18000	5	100		100	5.0	5
3	Developing bi-cycle stands/shelters	20	5	100	5	100		100	5.0	900
D Electricity Operated Vehicles and Auto-Rickshaws										
1	Last Mile connectivity with auto and ToTo	200	0.3	60	3	60		60	3.0	3
2	ToTo/ Auto Smart Stands	30	10	300	15	300		300	15.0	15
3	GPS Assist	1	50	50	2.5	50		50	2.5	2.5
4	Car Sharing Programme	1	50	50	2.5	50		50	2.5	2.5
5	Camera based transport monitoring			750	37.5	750		750	31.25	37.5
Total : A+B+C+D				25025	1248.75	20525	4500	25025	239.50	978.00

PROJECT SOCIAL AND CULTURE

Elements/ Modules		Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	NKDAH IDCO	Total	Recovery-Operation and Maintenance Cost (in Rs Lakhs)		
Elements/ Modules	Number	Cost per unit (in Rs Lakh)	Capital Cost (in Rs Lakh)	O&M Cost per annum (in Rs lakh)	Smart City	NKDAH IDCO	Total	User Charges	CSR	SPV	
Health											
	Telemedicine Kiosks	6	10	60	5.5	60		60	0	3	
	Health app- health care facilities and availability of medical professionals			50	2.5	50		50	0	3	
Education											
	Virtual class rooms	6	10	60	3	60		60	1.5	0	
Culture											
	Gateway of Kolkata	5000	0.0465	232.5	11.625	58.125		58.125	0	11.625	
	Street Signage's	500	0.1	50	2.5	50		50	11.625	0	
Total : A+B+C				3452.5	172.625	578.125	2816.25	3452.5	144	29.25	163.5

New Town in News



13th October 2015
Ei Samoy

দূষণ রোধে নিউ টাউনে বিশেষ সাইকেল প্রকল্প
Synopsis of news : This is about Government initiative to start special cycle project in New Town Kolkata to promote mobility by cycling to reduce pollution detail.

নিউটাউনে স্মার্ট সিটি
কর্মশালায় আজ
যোগ দেবেন নাইডু

12th September 2015
Bengali News
Paper Ei Samoy

Cycle zone in New Town soon

22nd August, 2015
Times of India

Rooftop farming in Rajarhat gets nod

14th September 2015 Hindustan Times

28th September 2015
Ei Samoy

স্মার্ট সিটি'র বাসিন্দাদের মত বিনিময় এই পুজোয়
Synopsis of news in English: A special campaign has been started to collect the aspirations and visions of the residents of New Town kolkata regarding their

28th Sep 2015, Khabar 365

নিউটাউনে চালু হতে চলেছে সাইকেল ট্রাক

Synopsis of News: New Town Kolkata will be offering public cycling services.

নিউটাউনের স্মার্ট সিটির কর্মশালায় নতুন পথের দিশা

Synopsis of news in English: A special workshop on smart cities was organized in association with a UK based organized Future cities catapult at the Eco island of new town kolkata.

পুজোয় নিউ টাউনে থাকছে স্মার্ট ক্যাম্প

Synopsis of News: Smart Camps in New Town in Puja
9th October 2015 Ei Samoy

9th November 2015, Asian Age

'Smart' Ananda Babu to resolve citizens' grievances in New Town

20th August, 2015
Hindustan times

New Town to turn into cyclists' paradise

US firms may invest in four smart cities

7th October 2015
Times of india

নিউটাউনকে স্মার্ট সিটি করার উদ্যোগ হিডকোর

Synopsis of news in English: Initiative by HIDCO to make New Town Smart City.
19th September 2015 Ei Samoy

Singapore team shows interest in New Town

14th September 2015
Times Of India

22nd August, 2015
Times of India

HIDCO to introduce smart meters for safe homes

E-centre for New Town patients

Times of India, 3rd December, 2015

স্মার্ট নিউ টাউন নিয়ে জনমত চায় হিডকো

Synopsis of news in English: A special campaign has been started to collect the aspirations and visions of the residents of New Town kolkata regarding their smart city.
12th October 2015 Khabar 365

New Town info now a click away!

19th September 2015 Hindustan Times

নিউ টাউনে বৃষ্টির জল ব্যবহারে উদ্যোগ

Synopsis of news : As a component of smart city, steps for rain water harvesting
19th October 2015 Ei Samoy

HIDCO to take up harvesting of rain water at city level

26th Oct 2015 Asian Age

Water recycle plan for New Town

26th Oct 2015 Times of India

স্মার্ট সিটি সম্বন্ধে অবগত হলেন ফিকি'র মহিলা শাখা
13th September 2015 Times Of India

4.1. Resolution of High Powered Steering Committee, Govt. of West Bengal headed by Chief Secretary; approving the upgraded Smart City Plan of New Town Kolkata

Proceedings of the meeting of the State Level High Powered Steering Committee (HPSC) for Smart Cities Mission held on 11.04 2016

Members Present : Attendance sheet enclosed

Chief Secretary ,Government of West Bengal, the Chairman of the State Level High Powered Steering Committee (HPSC) of the Smart cities Mission welcomed all the members present and initiated the discussion.

In the first round of Smart Cities Mission, Government of India announced the names of 20 Cities .Thereafter Government .of India provided an opportunity to upgrade the Smart City Plans to the cities located in 23 states as Special Fast Track Cities on the observations given by the panel of experts regarding improvements that are required to be made in the Smart City Plans. New Town Kolkata is one of the fast track cities.

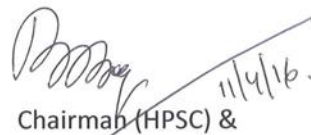
Accordingly the Smart City Plan of New Town has been prepared.

A power point presentation was shown to the members.

The revised plan has been modified according to the guidelines, directions, observations obtained from the Government of India.

The Committee recommends the revised Smart City Plan of New Town Kolkata for submission to the Government of India.

The meeting ended with thanks to and from the Chair.


11/4/16.

Chairman (HPSC) &
Chief Secretary, Government of West Bengal

Meeting of the "State Level High Powered Steering Committee (HPSC) for Smart Cities Mission"

Venue: Conference Hall of Nabanna (13th Floor)

Date: 11-04-2016

Time: 11:00 A.M.

Sl NO.	Designation / Organization	Contact No.	Signature
1.	Chief Secretary, Govt. Of West Bengal		
2.	Mayor, Kolkata Municipal Corporation		
3.	Additional Chief Secretary, U.D. Department, GoWB		
4.	Additional Chief Secretary, Planning Department, GoWB		11/04/16.
5.	Principal Secretary, Power Department <small>CMD, WBSEDL</small>	9830044866	
6.	Principal Secretary, IT Department <small>CBM&IT</small>	943322658	

Meeting of the "State Level High Powered Steering Committee (HPSC) for Smart Cities Mission"

Venue: Conference Hall of Nabanna (13th Floor)

Date: 11-04-2016

Time: 11:00 A.M.

Sl NO.	Designation / Organization	Contact No.	Signature
8.	Principal Secretary, Municipal Affairs Department		
9.	Principal Secretary, Public Health Engineering Department		
10.	Commissioner, Kolkata Municipal Corporation	9830033355	
11.	OSD(UT), Representative of Ministry of Urban Development, GOI		
12.	Chief Town Planner, Urban Development Department	9836008723	
13.	CEO NKDA	9697927099	
14.			

Meeting of the "State Level High Powered Steering Committee (HPSC) for Smart Cities Mission"

Venue: Conference Hall of Nabanna (13th Floor)

Date: 11-04-2016

Time: 11:00 A.M.

Sl NO.	Designation / Organization	Contact No.	Signature
15.	G.ROY CHANDRAN CEO, E. PA&DTE	9830150624	 11/04/16.
16.	Tanay K. Das, PA&D SE, PC&I	9488242179	
17.			
18.			
19.			
20.			
21.			

4.2. Resolution of New Town Kolkata development Authority (NKDA) approving Smart City Plan including Financial Plan, and setting up of SPV and related policies

Minutes of the 32nd meeting of the New Town Kolkata Development Authority held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.

Members present

- | | |
|---|------------------------|
| 1. Sri Debashis Sen, IAS
Additional Chief Secretary
Urban Development Dept. | Chairman, NKDA |
| 2. Sri Sutanu Prasad Kar, IAS
Joint Managing Director, HIDCO | Member, NKDA |
| 3. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary,
Urban Development Department | Member Secretary, NKDA |
| 4. Sri Debapriya Biswas, WBCS(Exe)
CEO, NKDA | Member, NKDA |

Others present

- | | |
|-------------------------|-------------------------------|
| 1. Sri Pradip Roy | Chief Engineer, NKDA. |
| 2. Sri Sukanta Kumar De | Administrative Officer, NKDA. |
| 3. Sri Himadri De | Finance Officer, NKDA. |

Sri Debashis Sen, IAS Chairman, Newtown Kolkata Development Authority took the chair. He welcomed all the members of the Authority and initiated the formal discussion of the meeting. He instructed the Member Secretary of the Board to place the agenda of the meeting for discussion in order.

1. Confirmation of the proceedings of the 31st meeting of New Town Kolkata Development Authority.

Sri Gopal Chandra Ghosh, Member Secretary, New town Kolkata Development Authority read out the minutes of the last meeting of the Board held on 26th February 2016 for kind information and confirmation of the members of the Board.

Board unanimously confirmed the proceedings.

2. Proposal for approval of upgraded Smart City Proposal of New Town Kolkata and approval of related policy decisions.

Minutes of the 32nd meeting of the New Town Kolkata Development Authority held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.

Chief Executive Officer places the upgraded draft Smart City proposal prepared for submission to MoUD, Govt. of India and explains the perspectives in detail for preparation of such proposal. He states that on being selected by Government of India as one of the ninety eight potential Smart Cities under the Smart Cities Mission, New Town Kolkata participated in challenge-2 of the competition by submitting Smart City proposal prepared through citizen engagement and observing the guidelines. In the competition, New Town Kolkata ranked 30th scoring 53.10 marks and included in the list of twenty three cities those are being fast tracked for accelerated funding from the year 2016-17 subject to clearing a benchmark by upgrading the Smart City proposal.

The upgraded proposals are to be submitted to the Government of west Bengal by the 10th of April-2016 and after clearance of the State Government, the same will be submitted to the Government of India by the 21st April, 2016.

In this connection it is proposed that :

1. For Special fast track Up-gradation of Smart City Proposal of New Town Kolkata:-
 - o Total estimated plan size for implementing the projects conceived as a part of this Smart City Plan is Rs 1532.41 Crores (including convergence of schemes / projects)
 - o Total Project cost proposed for Smart City Proposal of New Town Kolkata is Rs. 982.16 Crores (50% Smart City Mission fund and 50% contribution from the State Government as per mission guideline).
2. As per guideline of the Smart City Mission, a SPV which will be a limited company, needs to be formed that will act as the executing agency for all smart solutions and in the 30th Board Meeting, in conformity with the Smart Cities Mission Guidelines, the structure and the shareholding pattern of the SPV was approved as : State Government-25.5%; ULB or NKDA-25.5% and it was decided that WBHIDCO(A fully Government of West Bengal owned public sector undertaking) would be requested to be a shareholder with 49% equity.
Now, in partial modification of the shareholding pattern of the said SPV following shareholding pattern is hereby proposed:
44.5% State Government, 44.5% NKDA or ULB; WBHIDCO (a fully Government of West Bengal owned public sector undertaking) maybe requested to be a shareholder with 11% equity.
3. Preparation of Street Design Manual for New Town Kolkata for providing guidelines for the design of all roads, intersections, footpaths etc. may be initiated.

Minutes of the 32nd meeting of the New Town Kolkata Development Authority held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.

4. A Vendor Policy for management of informal vendors within New Town Kolkata may be formulated.
5. A comprehensive Solid Waste Management Policy for proper disposal of both Municipal Solid Waste and Construction and Demolition Waste, with provision for segregation of waste at household level/ source may be adopted.

A draft of the Upgraded Smart City proposal was prepared after taking into consideration the citizen inputs on the earlier SCP and the observations forwarded by the MoUD and was put on public domain for eliciting the opinion of the stake holders. Subsequently, after accommodating the inputs received from various quarters the Upgraded Smart City Proposal has been finalized and is put up for approval of the Board.

Board after detailed scrutiny, approves all the proposals mentioned in serial no. 1 to 5 above and also approves the Upgraded Smart City Proposal along the Financial Plan.

3. Proposal for introduction of Motor cycle taxis/bike taxis within the jurisdiction of NKDA.

Chief Executive Officer states that while motor bike taxis as a viable mode of last mile connectivity is in vogue in few cities in the world and taking a cue from that we may explore this mode of transport for New Town Kolkata also on a pilot basis.

The matter was taken up with the Transport Department and subsequently vide DO No 52- PSTD/2016, dated 05/05/2016, the Principal Secretary to Government of West Bengal, Department of Transport has informed that the proposal has been discussed and in principle found to be legally acceptable, subject to observance of certain guidelines/conditions governing such use. The said D.O letter along with the conditions/guidelines is annexed herewith as **Annexure-‘B’**.

Board members after detailed discussion on the ‘condition / guideline’ prescribed by the Transport Department accepted all the conditions. However, in respect of the fares, it was recommended that though there may be no regulation on fares by the Government and fares should be market driven as suggested, there may be some “Apps” based fare system to avoid on the spot disputes between the bike driver and passenger.

Minutes of the 32nd meeting of the New Town Kolkata Development Authority held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.

TABLE NOTES

1. Introduction of e-Health centre as a part of Smart City initiative.

Chief Executive Officer stated that as a part of smart city initiative in the 31st meeting of the Board, in agenda no. 11, the authority ratified the establishment of cloud enabled e-health centres at three locations in collaboration of WBHIDCO and HP as per the provisions of MoU signed between the parties.

HP (Hewlett Packard Enterprise India) has supplied and installed all equipments required for the e-health centres as a part of their CSR activity (no financial involvement of NKDA or WBHIDCO). Place for two e-Health Terminals at Senior Citizens' Park at Action Area-I and at the Utility Building of WBHIDCO at Action Area-III has been provided by WBHIDCO. The Studio has been built at the Health Centre of NKDA housed at Temporary Office (in Container) of WBHIDCO at Action Area-II.

We may run these facilities on pilot basis and the period of functioning may be **04.00 pm to 06.00 pm from Tuesday to Sunday. On Monday, these Health Centres may be closed.**

To make them operational, NKDA needs -

1. to procure required licenses from the competent authority/ies.
2. to inform the Health Department, Government of West Bengal on this project.
3. to provide required manpower at these three locations. It is assessed that, to start with, at least two competent personnel, one female nurse and one computer operator are required at each centre. Sine now we are planning to run these centres only for two hours daily, part time manpower will suffice; we may approach Bidhanagar Municipal Corporation having experience in running large Medical facility for a long period, for advice as well as for providing part-time nurses (payment will be made by NKDA). If required man power cannot be received from the Bidhannagar Municipal Corporation, we may opt for out sourcing them from registered organization/s.
4. to train the personnel; HP shall arrange the training free of cost as per provision of the MoU. The tentative training period may be from 2nd May to 16th May, 2016.
5. to start the trail run from 17th May, 2016.

Minutes of the 32nd meeting of the New Town Kolkata Development Authority held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.

Board Members after discussion approved the issue with some rectification in the proposal part. It is decided that during the pilot run, initially the following people will be treated as per charge prescribed hereunder.

1. Officials of NKDA & WBHIDCO and their family members, members of senior citizen park, Upasana Griha, Business Club (including part time members for swimming or other activities) and their family members – a nominal fee of Rs. 20/- (Twenty) may be charged on each occasion.
2. Persons referred by officials of NKDA & WBHIDCO or by members of Senior Citizen Park, Upasana Griha, Business Club (including part time members for swimming or other activities) a nominal fee of Rs. 50/- (Fifty) may be charged on each occasion.
3. CEO NKDA and JMD WBHIDCO can exempt fees on case to case basis.

For the time being, the computer operator may be entrusted with receiving the fees and a system generated receipt will be given.

2. Ratification of the rate of monthly rent allowed to New Town Post Office.

Chief Executive Officer stated that as per decision of the 30th Board meeting, NKDA agreed to the proposal of Postal Authority for assessment of rent by their fair rent assessment committee of the space at first floor of the ID (DF Block) Community market for setting up of a post office. However, subsequently, they have prayed to allow the rate of Rs.30.00 (Thirty) per sq. ft. per month which was allowed to them by WBHIDCO authority in letting out their space at Utility building (of WBHIDCO) in Action Area - II. Since it is a case of transaction between two government authorities, i.e. NKDA & Postal Department and to make available postal facilities to the inhabitants of New Town, Kolkata the rate of Rs. 30.00 per month per sq. ft. has been accepted and communicated to the postal authority.

Board ratified the revised rent.

**Minutes of the 32nd meeting of the New Town Kolkata Development Authority
held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.**

3. Verification of Structural Stability of high rises buildings within the jurisdiction of NKDA.

Chief Executive Officer stated that considering the safety and security of the residents and stakeholders of New Town Kolkata, a verification mechanism to assess structural stability of all the high rise buildings and structures in New Town, Kolkata may be systemized by NKDA. For this purpose we may empanel expert agencies and/or renowned institutions like IIT Kharagpur, Jadavpur Engineering College, BESU (shibpur) etc. and owners / developers / builders of all such structures may be mandated to assess the structural stability of respective structures/ buildings in regular intervals by availing services of empaneled institutions / agencies.

A list of High-rise building (G+9 and above) in New Town, Kolkata for which building plans have been sanctioned by NKDA has been prepared.

Board after detailed discussion opined and approved that the matter of verification of structural stability of high raises buildings G+9 and above within the jurisdiction of NKDA should be conducted through RITES, a Government of India Organisation.



Debashis Sen
Chairman

New Town Kolkata Development Authority

Memo No 2036 /NKDA/ADMN-21/2009

Date: // /04/2016

Copy forwarded for information and kind perusal to:

- | | |
|--|----------------|
| 1. Sri Debashis Sen IAS,
Additional Chief Secretary, Urban Development Department | Chairman, NKDA |
| 2. Smt. Kakoli Ghosh Dastidar, Member of Parliament | Member, NKDA |
| 3. Sri Sabysachi Dutta, Member of Legislative Assembly | Member, NKDA |
| 4. Smt. Manmeet Kaur Nanda, IAS,
District Magistrate, North 24-Parganas | Member, NKDA |
| 5. Sri Sutanu Prasad Kar, IAS
Joint Managing Director, WBHIDCO Ltd. | Member NKDA |
| 6. Sri Upendra Nath Sarkar, WBCS (Exe),
Special Secretary, Municipal Affairs Department | Member NKDA |
| 7. Sri Anindya Karforma, DG (Building),
Kolkata Municipal Corporation | Member, NKDA |

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Board after detailed discussion opined and approved that the matter of verification of structural stability of high raises buildings G+9 and above within the jurisdiction of NKDA should be conducted through RITES, a Government of India Organisation.



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Kolkata Municipal Corporation | Member, NKDA |

**Minutes of the 32nd meeting of the New Town Kolkata Development Authority
held on 8th April 2016 at 2.00 pm at the conference hall of the Authority.**

- | | |
|--|---|
| 8. Sri Debapriya Biswas WBCS (Exe.)
Chief Executive Officer, NKDA | Member, NKDA |
| 9. Sri Pradeep Roy | Chief Engineer, NKDA |
| 10. Sri Uttam Kumar Jana | Superintendent Engineer,
(M/E), NKDA |
| 11. Sri Sukrit Chatterjee | Chief Architect, NKDA |
| 12. Sri Dilip Kr. Das | Estate Manager-I, NKDA |
| 13. Sri Amit Kumar Bose | Estate Manager-II NKDA |
| 14. Sri Debjeet Ganguly, WBCS (Exe.) | Administrative Officer –I,
NKDA |
| 15. Sri Sukanta Kumar De | Administrative Officer-II,
NKDA |
| 16. Sri Himadri De | Finance Officer, NKDA |
| 17. Sri Abin De | Executive Engineer-I, NKDA |
| 18. Sri Jiten Basak | Executive Engineer-II,
NKDA |
| 19. Sri Ashoke Kr Dutta | Executive Engineer-III,
NKDA. |
| 20. Col. (Retd.) Indrajit Roy | Manager, Business Club,
NKDA |


Gopal Chandra Ghose

Member Secretary,
New Town Kolkata Development Authority

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

Members present

- | | |
|--|-------------------|
| 1. Sri Debashis Sen, IAS
Additional Chief Secretary
Urban Development Department. | Chairman, NKDA |
| 2. Sri Sabyasachi Dutta MLA | Member, NKDA |
| 3. Smt. Manmeet Kaur Nanda IAS,
District Magistrate, North 24 Parganas | Member, NKDA |
| 4. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary,
Urban Development Department. | Member Secretary, |
| 5. Sri Anindya Karforma DG ,Building
Kolkata Municipal Corporation | Member, NKDA |
| 6. Sri Debapriya Biswas, WBCS(Exe)
CEO, NKDA | Member, NKDA |

Others present

- | | |
|-------------------------|-------------------------------|
| 1. Sri Pradip Roy | Chief Engineer, NKDA |
| 2. Sri Sukanta Kumar De | Administrative Officer , NKDA |
| 3. Sri Himadri De | Finance Officer, NKDA |

Sri Debashis Sen, IAS Chairman, Newtown Kolkata Development Authority took the chair. He welcomed all the members of the Authority and initiated the formal discussion of the meeting. He instructed the Member Secretary of the Board to place the agenda of the meeting for discussion in order.

1. Confirmation of the proceedings of the 30th meeting of New Town Kolkata Development Authority.

Sri Gopal Chandra Ghose, Member Secretary, New town Kolkata Development Authority read out the minutes of the last meeting of the Board held on 4th December 2015 for kind information and confirmation of the members of the Board.

Board unanimously confirmed the proceedings.

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

supervisor (retired govt employee) was engaged on contract basis. Recruitment of one Club Manager on contract basis is under process. Steps are being taken to make the club operational from the 1st April, 2016.

A detailed proposal to make the club operational was placed as **Annexure "A"** for kind perusal and ratification of the Board.

Member Secretary also informed that the construction of Upasana Griha at Bisarjanghat at Action Area-1D had been completed and was made operational initially for yoga & mediation session at each weekend on Saturday and Sunday from 6.00 pm to 7.00 pm.

Board after discussion approved all the proposals placed in the meeting by Annexure-A. Regarding engagement of Swimming Instructors cum Life Guards and Tennis Instructors, both the options i.e. contractual engagement and / or outsourcing may be explored.

The monthly remuneration of Club Manager on contract basis was fixed as Rs.40,000.00.

It has also been decided unanimously that to make the club fully operational by drafting regulations and to manage the regular affairs a committee shall be formed with following members:

- 1) Mr. A.K.Patnaik IAS (Retd.) as Chairman subject to his consent.
- (2) Mr. Atanu Raha Chief Conservator of Forest (Retd.) as Vice Chairman subject to his consent.
- (3) Mr. Debjeet Ganguly, WBCS(Exe), Administrative Officer NKDA as Member
- (4) Mr. Abin De Executive Engineer- I NKDA as Member
- (5) Club Manager as Member Convenor.

Board also ratified the steps taken to make the Upasana Griha operational .

4. Increasing menace of encroachment of road side public places by Hawker creating nuisance.

Member Secretary stated that incidents of illegal encroachments in public places by hawkers & roadside vendors were on the rise. Apart from creating nuisance by littering of waste in adjoining roads & footpaths and visual pollution, in some places they were also hampering free flow of traffic in service roads and were blocking drains and sewers due to discharge of

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

Board after a detailed discussion in principle approved the proposal of imposition of fine. But regarding imposition of fine for littering of municipal solid waste as per clause "A'(i) of the proposal, it was decided that the fine shall not be imposed from now , instead, an awareness campaign should be made among the common populace. The fines in connection with construction and demolition wastes and improper storage of construction material shall be operational with immediate effect.

Regarding the proposal of Clause-B of the Annexure-B i.e. introduction of a system for proper disposal of Construction and Demolition Waste the first proposal is approved by the Board.

6. Comprehensive waste management plan - proposal for fine etc.

Chief Executive Officer informs the Board that in New Town Kolkata, perhaps the greatest challenge now is Municipal Solid Waste Management, construction material and Construction & Demolition Waste management. Though the door to door collection system of Municipal Solid Waste is in place, incidences of littering of Municipal Solid waste on streets and adjoining areas, at public places and on vacant plots specially, by street vendors and their customers is on the rise. Since it is a Greenfield city in the developing phase, large numbers of construction activities are going on. As a result, incidences of dumping of Construction and demolition waste at vacant places and by the side of roads is also a big problem. Developers & Builders are not at all concerned & sincere to dispose of the C&D waste properly and used to dispose of it vacant lands or some time by side of the roads. Storing of construction materials over covered drains and on roads exceeding the allowable limit in scattered and haphazard manner is compromising road safety and air quality.

Apart from creating nuisance and health hazards, improper disposal of waste leads to Blockage / damage of Sewer lines and storm water drains which occasionally leads to disruption of civic services.

CEO, in **Annexure-B**, placed a detailed proposal of imposition of fine on defaulters and to develop a system to facilitate disposal of Construction and Demolition Waste .

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

11. Establishment of e-health centre in collaboration with WBHIDCO and H.P.- ratification of MoU signed.

Chief Executive Officer stated that for establishment of cloud enabled e-Health Centre (eHC) at New Town Kolkata to enhance accessibility to Health Care System on pilot basis, as part of smart initiatives, a MoU was signed between NKDA, WBHIDCO, & Hewlett Packard Enterprise India Private Limited on the 8th January, 2016 where HP has the responsibility for supplying and installation of all equipments required for the studio and two terminals of the e-health centre on their own cost (without any financial involvement from NKDA or WBHIDCO) and NKDA has the responsibility to provide Doctor & para-medic at the studio and paramedics at the terminals. Spaces for the studio need to be provided by NKDA and space at the existing Health Centre of NKDA was selected for the purpose with provision of internet facility and power. It was decided that space for two terminals will be provided by WBHIDCO with similar arrangements for internet connection, one at Sr. Citizen's Park (SwapnoBhor) and the other at utility building of WBHIDCO at Action Area-III.

Appreciated and ratified by the Board.

12. Proposal for Administrative Approval and Financial Sanction of Construction and Development of Green Verge, Children Park etc. including boundary wall along with the peripheral of existing proposed open plot(No. Green 01) and other ancillary works adjacent to street no. 183 & 224 at CE Block under Action Area-1C, New Town, under NKDA.

Chief Executive Officer informed the meeting that 6126.16 sq. mt. of land in block CE in front of premise no.32-0183 in Action Area-I, New Town Kolkata was made available by WBHIDCO to NKDA for Development of green area. (Ref: note sheet no. 1027/HIDCO/Plng30B(A)/2010 dt. 15.12.2015).

An estimate of Rs.1,78,98,887.00 (Rupees one crore seventy eight lakh ninety eight thousand eight hundred eighty seven) has been prepared and technically sanctioned by the Chief Engineer, NKDA for Development of Green Verge and children park on that plot and tender has been invited.

Board accorded Administrative and Financial Sanction.

13. Proposal of change in procedure to receive applications in connection with sanction of Building Plans in New Town Kolkata Planning Area.

Member Secretary informs the meeting that at present, for buildings above 15 meter height and / or plot area more than one hectare in the New Town Planning area, building plans are being processed under the New Town Kolkata (Planning Area) Building Rules 2014 where New Town

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

a revised order so that the applications may be submitted directly to NKDA for issuing NOC giving a copy to the sanctioning authority. If the Panchayat& RD Department agrees, amendment in the New Town Kolkata (Planning Area) Building Rules 2014 may be made accordingly instead of as proposed in '1' above.

Proposed interim arrangement:

However, during pendency in change in rule as per Proposal-1 or 2 as the case may be, during the interim period, we have started processing as per '1' above which may kindly be ratified.

After a detailed discussion, considering all *pros and cons*, Board was of the opinion that that some documents and credentials, specially documents related to land records / deed / ownership of land etc. need proper verification at Panchayat Levels who are supposed to be well aware of local land related issues, before the applications are forwarded to NKDA for technical verification, so it might not be wise to shift from the present system. Rather, District Magistrate was requested by the Board to expedite flow of application at various panchayat levels. Meeting also instructed the CEO to monitor that no undue delay in disposal of applications is made in NKDA.

14. Ambulatory Kiosk:

Member Secretary informed the meeting that in the 27th Board Meeting of the authority it was resolved that 10 (Ten) Ambulatory Kiosks (already ready for delivery) to be delivered to the interested persons for vending public utility articles and eateries near New Town Plaza on rental basis @ Rs.3000.00 (Three thousand) only per month. Accordingly notice was displayed in the office notice board inviting applications from the interested persons preferably from the project affected persons. Only ten applications were received. After interview three persons were selected for distribution of the same. But ultimately they did not turn up and verbally expressed their unwillingness on some terms and conditions specially regarding monthly rent and movability of the kiosks.

Considering the practical problems and issues Member Secretary placed a proposal to the meeting for kind consideration to reduce the monthly rent at an affordable rate of Rs. 500.00 /Rs. 1000.00.

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

Board after detailed discussion, allowed the proposal of fixing rent of the Kiosks @ Rs.500.00 (Five hundred only) per month for one year. The rate will be revised, if required, after one year.

15. Alteration of type of shop for which it was primarily allotted:

Chief Executive Officer informs the meeting that in the General terms and conditions of the Community Market Brochure it has been specifically stated in clause 10 (d) that " Type of shop as mentioned in Tables above cannot be altered by the allottee ". But the fact is this that on market demand an allottee is forced or intends to shift from one type of business to another for betterment. But the present terms and conditions restricts him/her from such transformation. The demand for the stalls and shops of the newly constructed markets are decreasing due to rigidness of the clause. The clause may be flexible and allottees may be allowed to switch over from one type of business to other on approval of NKDA and a fee of Rs. 5000.00 (five Thousand) only may be charged as business change fees if authority deems fit considering other conditions.

Board considering the merits of the issue, unanimously approved the proposal.

Table Notes

1. Involving different agencies in up gradation of Smart City Proposal.

Chief Executive Officer informs the meeting that New Town Kolkata is one of the 23 cities selected all over India which have been put on a fast track mode to become a Smart City, subject to achieving a bench mark score.

As per the prescribed by the Ministry of Urban Development, Government of India, we have to submit an upgraded Smart City Proposal taking into consideration the broad framework of observations made available by the team of experts who have evaluated the plan submitted by us, within 15th April 2016.

An one day workshop in this regard was organized by MoUD, GoI at Vigyan Bhavan, New Delhi on 22/02/16 wherefrom certain inputs were received.

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

For up gradation and redesigning of the Smart City Proposal of New Town Kolkata, following road mad has been chalked out.

- i. The consultancy agency which was involved in preparation of the original proposal to be confirmed as the consultancy agency for upgrading the proposal (as prescribed by Government of India, we may confirm the agency who prepared the original plan or may engage a new agency on observing due procedure).
- ii. As handholding agencies we may engage IIT KGP & C-40 apart from obtaining support from the prescribed (by MoUD, GoI) institutions i.e. DFID / ADB/ IHHS as may be extended by them.
- iii. For assessing and highlighting credit worthiness of NKDA which will help us to upgrade the financial proposal, a limited tender process for engagement of Credit Rating agency following the prescribed procedure of MoUD, GoI has been initiated.
- iv. To upgrade the Annexure of Smart City Proposals process has been initiated to engage agencies for designing of annexure, pictographic profiling of the City, Realignment and reassessment of the architectural and perspective planning thereon etc.

Board ratified the proposal and it was also decided that for agencies not charging any fee for supporting in upgrading the plan, travel- fare and other logistical supports like lodging and fooding etc. would be provided by NKDA as and when required.

2. e-governance projects of New Town Kolkata Development Authority; online payment platform through Bank of Baroda.

Chief Executive Officer informs that to ensure effective and fast delivery of services to the stakeholders in New Town Kolkata, NKDA is currently actively pursuing the e-governance project to provide a 360° framework of online services. NIC is doing the work for NKDA.

Lots of services are subject to making payment to NKDA. To create an online payment (to NKDA) system, Nationalized banks were approached and out of them, two banks expressed interest; Bank of Baroda has been identified as the banking partner for providing online platform for collection of fees and other charges , in consultation with NIC.

To facilitate the same, NKDA needs to open required numbers of banking accounts with Bank of Baroda as soon as the system gets ready for implementation. The required number of accounts will be intimated by the bank in consultation of NIC as per their established online protocol.

Board appreciated the initiative and accorded approval.

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

3. Honorarium for the trainer of Meditation and Yoga class at Upasana Griha.

Chief Executive Officer informs that Upasana Griha of New Town Kolkata Development Authority has been constructed in Action Area – ID in the concept of famous Upasana Griha of Santinikatan. It has been made functional from 20th February, 2016 by organizing free Meditation and Yoga classes in the morning of each Saturday and Sunday, initially for a period of 3 months.

At present a resident of New Town is conducting Meditation and Yoga classes. We may fix some honorarium for conducting the classes.

Board approved the proposal for the Honorarium as Rs.4000.00 per month.


Debashis Sen
Chairman

New Town Kolkata Development Authority

Memo No *1411* /NKDA/ADMN-21/2009

Dated *03/03/2016*

Copy forwarded for information and kind perusal to:

- | | |
|--|----------------------|
| 1. Sri Debashis Sen IAS,
Additional Chief Secretary, Urban Development Department | Chairman, NKDA |
| 2. Smt. Kakoli Ghosh Dastidar, Member of Parliament | Member, NKDA |
| 3. Sri Sabyasachi Dutta, Member of Legislative Assembly | Member, NKDA |
| 4. Smt. Manmeet Kaur Nanda, IAS,
District Magistrate, North 24-Parganas | Member, NKDA |
| 5. Sri Sutanu Prasad Kar, IAS,
Joint Managing Director, WB HIDCO Ltd. | Member, NKDA |
| 6. Representative of Municipal Affairs Dept. | Member NKDA |
| 7. Sri Anindya Karforma, DG (Building),
Kolkata Municipal Corporation | Member, NKDA |
| 8. Sri Debapriya Biswas WBCS(Exe.)
Chief Executive Officer, NKDA | Member, NKDA |
| 9. Sri Pradeep Roy | Chief Engineer, NKDA |

Minutes of the 31st meeting of the New Town Kolkata Development Authority held on 26th February 2016 at 11.00 am at the conference hall of the Authority.

10. Sri Uttam Kumar Jana	Superintendent Engineer, M/E,NKDA
11. Sri Sukrit Chatterjee	Chief Architect, NKDA
12. Sri Debyeet Ganguly WBCS(Exe.)	Administrative Officer –I, NKDA
13. Sri Dilip Kr. Das	Estate Manager-I, NKDA
14. Sri Amit Kumar Bose	Estate Manager-II NKDA
15. Sri Sukanta Kumar De	Administrative Officer-II, NKDA
16. Sri Himadri De	Finance Officer, NKDA
17. Sri Abin De	Executive Engineer-I, NKDA
18. Sri Ashoke Kr Dutta	Executive Engineer-III, NKDA
19. Sri Jiten Basak	Executive Engineer-II, NKDA


Gopal Chandra Ghose
Member Secretary

New Town Kolkata Development Authority

Minutes of the 30th meeting of the New Town Kolkata Development Authority held on 4th December 2015 at 12.00 noon at the conference hall of the Authority.

Members present

- | | |
|---|------------------------|
| 1. Sri Debashis Sen, IAS
Principal Secretary
Urban Development Dept. | Chairman, NKDA |
| 2. Sabyasachi Dutta, MLA | Member, NKDA |
| 3. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary
Urban Development Dept. | Member Secretary, NKDA |
| 4. Sri Anindya Karformar DG , Building
Kolkata Corporation | Member, NKDA |
| 5. Smt. Debjani Dutta WBCS(Exe)
Joint Managing Director, WBHIDCO | Member, NKDA |
| 6. Sri Debapriya Biswas, WBCS(Exe)
CEO, NKDA | Member, NKDA |

Others present

- | | |
|-------------------------|------------------------------|
| 1. Sri Pradip Roy | Chief Engineer, NKDA |
| 2. Sri Sukanta Kumar De | Administrative Officer, NKDA |
| 3. Sri Himadri De | Finance Officer, NKDA |

Sri Debashis Sen, IAS Chairman, Newtown Kolkata Development Authority took the chair. He welcomed all the members of the Authority in the meeting. There after he initiated the formal discussion of the meeting and advised Member Secretary to place the agenda of the meeting for discussion in order.

1. Confirmation of the proceedings of the 29th meeting of New Town Kolkata Development Authority.

Sri Gopal Chandra Ghose Member Secretary, NKDA read out the proceedings of the 29th meeting held on 11.09.2015 for information and confirmation of the members. Board confirmed the proceedings.

2. Development of rooftop vegetable garden in integration with Solar Power Project over CB Community Market in Action Area – IC, New Town Kolkata.

Member Secretary informed the meeting that the Competent Authority of New Town Kolkata Development Authority has decided to make an innovative project of Rooftop Organic Farming of vegetables with Re-cycled rain water under solar photo voltaic panels on the roof top of Community Market in CB Block, Action Area –IC, New Town Kolkata. Such roof top farming activity will be taken within an enclosure consisting of M.S Frame. This would be a pilot project under Smart City Programme and this project likely to be first in Eastern India. Lump-sum turnkey tender is to be invited for the rooftop organic farming as most of the rates are unknown for such work. The work also includes 5 years of comprehensive operation and maintenance of the project.

After detailed discussion regarding viability of the project and being satisfied Board approved the proposal in principal.

3. Allotment of space to Department of Posts, Govt. of India for opening Post Office at ID Community Market.

Chief Executive officer, NKDA placing the agenda to the Board stated that Senior Superintendent of Post Offices, East Kolkata Division requested the authority to allot a space of around 600 Sq. ft. at Action Area –I on rental basis for shifting of existing New Town Post Office due to some inconveniences. They have also prayed for allowing the said space at ID (DF Block) Community Market, if available.

Incidentally the ID (DF Block) Community Market is almost complete and ready for distribution. A space of 600 sq. ft. may be available to allot on rental basis @ Rs.45/- per sq. ft., as determined by the Collector, North 24 Parganas. CEO also stated to the meeting that the postal authority has requested to provide the space at a rent fixed by Fair Rent Assessment Committee of their Department.

Board approved the proposal of allotment of the space for the development of the New Town and also allowed the proposal of postal Dept. for assessment of fair rent by their Fair Rent Assessment Committee.

4. New Town Mela – 2015.



Chief Executive Officer, NKDA informed the meeting that to promote the township to the outsiders, to make it attractive to the inhabitants and to provide a platform for socio-cultural activities, New Town Kolkata Development Authority have been organizing New Town Mela since 2013. In the current year, programme has been chalked out to organize mela from 24th December 2015 to 4th January 2016 at the New Town Mela Ground. It has been planned to shape it as an informative mela where all the local institutions (Educational, Medical etc.) of New Town, Kolkata will be invited to take part in the mela to share information to the public in general.

Chief Executive Officer placed a rough estimate of 33,00,000.00 (Thirty three lakhs) as expenditure against expected revenue of Rs. 8,00,000.00 (Eight lakhs) only. Some members made query about the reasons of deficit in income and expenditure and CEO explained that this nascent township is just developing. At this stage it needs to be nourished for the growth and development of the township. A detail statement of programme and proposed activities were also placed in the meeting as annexure.

Board approved the estimates in principal and the programmes of annexure except point no.5 of organising cultural functions by any event management group. It has been decided that, cultural programmes will be organized by NKDA by contacting the performers directly.

5. Distribution of shops and stalls of newly constructed Community Markets

Chief Executive Officer informed the meeting that New Town Kolkata is growing rapidly. To meet the day to day requirements of the stakeholders New Town Kolkata Development Authority had already taken initiative to construct 10 (Ten) numbers of Community markets spreading in New Town project area. Already Process of distribution of 7 (Seven) Community Markets are almost completed. Now the construction work of rest three markets viz. ID (DF Block), IB (BD Block) and IIB are completed / on the verge of completion and ready for distribution.

A. In the last occasions, all the stalls and 30% of the shops were kept reserved for project affected persons as reserve category @ Rs. 3000.00 (Three thousand) per sq. ft. for the vegetable, fruit, betel leaf, flower and alike stalls, @ Rs.4000.00 (Four thousand) per sq. ft. for fish, chicken, meat, egg and alike stalls and @ Rs. 6000.00 (Six thousand) per sq. ft. for shops. The rate of general category shops were @ Rs. 8000.00 (Eight



thousand) Per sq. ft. Considering the demand and the present scenario of the markets the same rate may be approved for the markets to be taken up for lottery process. The proposed lease period is 33 years as was for other markets.

B. In the Board meeting dated 11/09/2015 and 27/06/2015 it was resolved that out of the stalls of community markets for which no application was received, two would be allotted to agricultural Co-operatives of North 24-parganas and one would be allotted to agricultural Co-operatives of south 24 Parganas and it was also decided that the chief Executive Officer would call the concerned cooperatives and chalk out the terms and conditions. If the concern cooperatives can't afford the required lease premium then CEO would allow an affordable rate. But Dharmapur SKUS has offered a rate of Rs 1000.00 per sqft in place of the standard rate of such stall of Rs 3000.00.

Board after detailed discussion approved 'A' and regarding point 'B' meeting instructed the CEO, NKDA to place the stalls to the respective District Magistrates and Executive Officer Zilla Parishad @ Rs. 1000.00 (one thousand) only for allotting the stalls to the interested and competent agricultural co-operatives with intimation to this end.

6. Execution of Agreement of Permissive possession with Bandhan Bank Ltd.

Chief Executive Officer stated that in the Board Meeting dated 27.06.2015 of the authority it was resolved primarily that an space adjacent to International Bus Stand Near Pride Hotel will be let out on rental basis at the rate of Rs. 45/- per sq. ft. to M/S Bandhan Bank Ltd. As West Bengal Housing Board is the owner of the land and West Bengal Housing Infrastructure Development Corporation Ltd was in possession of the land as per agreements between WBHB and WBHIDCO, who has allowed permissive possession to NKDA for Development, maintenance etc. of the land in question. The matter of allotment of the built up space at international Bus Terminus on that land again on permissive possession basis to Bandhan Bank Ltd. was referred to the Urban Development department ,Govt. of West Bengal for concurrence. Urban Development Dept. by letter No. 2598-UD/O/M/HID dated 06.08.2015 intimated "that this Department has no objection to New Town Kolkata Development Authority giving no objection in respect of a building space in the ground floor of the building at Plot No. BG/12, Action Area -I, New Town, Kolkata to open and run a bank by M/S Bandhan Financial Services Ltd." On the basis of the same an agreement of permissive possession was drafted and



forwarded to the Bank authority for execution. But they have then verbally communicated that only permissive possession would not serve their purpose the agreement is required to be made that NKDA has full authority to execute the tenancy agreement and they were requested to submit the proposal in writing mentioning the detail.

Meeting instructed CEO to come back to the Board after clearing the legal issues.

7. Imposition of Property Tax in New Town, Kolkata

Chief Executive Officer informed the meeting that after receipt of draft valuation list and assessment of Property Tax from the West Bengal Valuation Board, it is learnt that provision of Unit Area Assessment System has been incorporated in the Chapter-X of the West Bengal Municipal Act, 1993 as an alternative method of assessment of property tax. Since, provisions of Chapter-X of the West Bengal Municipal Act, 1993 is applicable mutatis-mutandis in the jurisdiction of NKDA (section 36B of the NKDA Act, 2007), now this option is also available to NKDA. Unit Area Assessment System is a modern concept and method for assessment of property tax with greater degree of transparency and simplicity. Though the assessment list of property tax prepared by the West Bengal Valuation Board is ready for draft publication, since the publication has not been made, we have the scope to start afresh with the Unit Area System.

After detailed discussion over the issue, meeting unanimously resolved to adopt the Unit Area System of assessment.

8. Participation in Stage 2 Challenge in Smart City Competition – Smart City Proposal.

Chief Executive Officer placed some proposals for incorporation in the Smart City Plan which will have to be forwarded to the Govt. of India shortly. In these respect he stated that New Town Kolkata is an emerging Smart city under the Smart Cities Mission of Government of India. A Smart City apart from being a technologically enabled city must also be a clean and green city, where the citizens and stake holders share the responsibility to keep it as such. The draft SCP has been prepared after extensive citizen engagement and is being placed before the Board. The following provisions are placed before the Board for kind approval in order to incorporate the same in the plan:



A. Provision for providing incentives for using energy efficient lights and other equipments.

B. In order to curb unauthorized encroachments and to enhance the beautification of the city, provision of landscaping of the frontal area from property line upto the edge of the box drain by plantation of grass and decorative shrubs (under no circumstances any other plant variety will be allowed) and enclosing the said area by erecting bamboo fencing of height 1.2 Mts Maximum. However, creation of such landscaping shall not create any type of right over the land. The frontal area landscaping plan must be presented before NKDA for approval. Whether this provision will be made mandatory or incentivised by making suitable amendments in the NKDA Building Rules 2009, may also kindly be decided.

C. As per provision of Rule No 28(2) of NKDA Building Rules 2009, there are provisions for incentives for rain water harvesting, use of renewable energy, solar passive architecture and use of fly ash bricks. As provided in the Rule, for each item 2% of the building sanction fees shall be reduced. Now it is proposed that for recycling of grey water (dual piping) and decentralized solid waste treatment, the same benefit may be extended. Whether any further incentive in form of concession in property taxes and/or allowing additional FAR may also be kindly considered.

D. As per the provisions of the Smart City Guidelines, at the implementation stage of the SCP a Special Purpose Vehicle needs to be formed which will act as the executing agency for all smart solutions. As prescribed the share of State Government and NKDA jointly shall not be below 50% of the holdings in the said SPV and the holding pattern of both the parties will be 50:50. In this context the following structural arrangement of the SPV is proposed:

1. SPV will be a Limited Company, with the following shareholding pattern: - State Government: 25.5%; ULB or NKDA: 25.5%; WBHIDCO (a fully Government of West Bengal owned public sector undertaking) may be requested to be a shareholder with 49% equity.

2. Representative from the Central Government (as Prescribed in the Guidelines), Nominated Officers from NKDA, HIDCO, NTTIDCO, NTSECL, WEBEL Representatives from Industry Associations like NASSCOM, Independent Director from MoCA etc. may be accommodated in the Board of SPV. Chairman NKDA may be the



Chairman of Board of Directors of the SPV. A Chief Executive Officer having suitable qualifications and experience, may be appointed from private/public sector. Till such CEO is selected, provision of one interim CEO may be made by the Board. If required the SPV may be housed at the office premises of NKDA or WBHIDCO may be requested to provide space.

E. Agreements by NKDA for smart utility services (as detailed in the SCP) may be done with agencies like with WBHIDCO, NTSECL, NTTIDCO, PHED, WEBEL etc for partnering the delivery of the Smart City Plan.

F. To maintain the cleanliness of the Eco-Park, New Town, a fine of Rs. 100/- may be imposed on the visitors found littering within the premises, if approved by the Board. Later this provision may be extended all over the city, in phases.

G. The Smart City Plan made in Collaboration with Deloitte Touche Tohmatsu may kindly be approved.

After point wise discussion meeting approved all the proposals with the following rectifications

Proposal D

(2) CEO NKDA may be the Chairman of Board of Directors of the SPV.

Proposal F

The proposal was approved in the following manner:

To maintain the cleanliness of the Eco-Park, New Town, a fine of Rs. 100/- will be imposed on the visitors found littering within the premises and this provision shall also be applicable to Action Area-1A, 1B, 1C of New Town, Kolkata i.e. the area selected for area based development in the Smart City proposal.

Proposal-G

The Board approved the Smart City Proposal / Plan including financial plan as reproduced below in brief:

- A. Total estimated Plan Size for implementing the projects conceived as part of this Smart City Plan is: **INR 2928.26 crores.**
- B. External Contribution estimated as part of Convergence with from government programs/ schemes/ projects is calculated at **INR 1089.74 crores,** out of which estimated budget for
 - o developing physical infrastructure: INR 926.00 crores



- o developing smart infrastructure/ projects: INR 163.7 crores

C. External Contribution from private sector as part of PPP projects is estimated at INR 693.00 crores

D. Thus, total project cost proposed for Smart City Proposal of New Town Kolkata is: **INR 1145.52 crores** (D = A-B-C).

It has also been decided by the Board that 45% of property tax to be collected from Action Area 1A, 1B, 1C and 50 % of water tax / charges collected from entire New Town, Kolkata shall be shared with the SPV to ensure its sustainability.

9. Revised Administrative Approval and Financial Sanction (AAFS) for the work of Construction” UPASANA GRIHA” at AA- 1D, under NKDA, New Town, Kolkata.

Chief Executive Officer informed the meeting that Administrative Approval and Financial Sanction for an amount of Rs. 60,00,000.00 (Sixty Lakh) only was accorded in the 25th. Meeting of the Board held on 13.12.2014 for construction of UPASANA GRIHA at AA-1D New Town, Kolkata. But at the time of actual execution of work some item of work have been greatly changed as per decision of the higher Authority like:

- Malleable Cast Iron Framing in place of Wooden Framing.
- Pavement Work with Paver Block etc.

While implementing the above changes in field a further revised estimate has been framed and the value of original tender has enhanced to Rs. 97,88,533/- (Ninety Seven Lakh Eighty Eight Thousand Five Hundred Thirty Three) only and the estimate has been Technically Sanctioned by the Competent Authority.

Board accorded Revised Administrative Approval and Financial Sanction for the project construction work of Upasana Griha.

Miscellaneous :

1. POC/OC for the project of Millennium Tower and East Enclave undertaken by West Bengal Housing Board (WBHB)

Member Secretary informed the meeting that the housing complexes of Millennium Tower & East Enclave were constructed by West Bengal Housing Board long before formation of New Town Kolkata Development Authority. The Building plans were



accorded post-facto sanction, for both Millennium Tower & East Enclave on 08/07/2014 and 26/08/2014 respectively based on the 'as built' drawings, treating the case as 'fait accompli'. The projects were sanctioned as per New Town Kolkata Building Rules 2009. In case of Millennium Tower Fire NOC for occupancy was issued dated 01/12/2006 but Fire approval was not been accorded by West Bengal Fire & Emergency Services for East Enclave yet, as West Bengal Housing Board has not approached West Bengal Fire & Emergency Services in this regard.

Residents of both the housing complexes are now requesting for issuance of POC/OC for the projects as they have been staying in this complexes for a long period of time.

Hence, it is proposed that New Town Kolkata Development Authority may issue POC/OC for Millennium Tower based on Fire NOC for occupancy issued on 01.12.2006 and may also issue POC/OC for East Enclave.

After a detailed discussion Board unanimously resolved that before issuing POC/OC of the proposed buildings, New Town Kolkata Development Authority will refer the matter to Urban Development Dept. Govt. Of West Bengal.

2. Regarding shortfall of Car Parking spaces and issuance of Occupancy Certificate at Premashraya Guest House (B+G+10 storied) of Tata Medical Centre Trust at Plot no. DC/193/1, Premises no. 50/1-0314 in Action Area-ID, New Town, Kolkata.

Ref :-i) Application of Tata Medical Center on dated 14.09.15 addressed to the Hon'ble Minister-in-Charge, Municipal Affairs & Urban Development Deptts. Govt. of W.B. Kolkata

ii) Letter from the Director of Tata Medical Center addressed to the Chairman, NKDA dated 16.11.15

Chief Executive Officer referring the matters stated the meeting that the Building Plan of the Premashraya Guest House was sanctioned vide memo no. 396/NKDA/Engg-27/2010 on dated 13.02.2012 as per Building Rules 2009 of NKDA. During sanction as per norms, the requirements of car parking spaces were 105 nos. Partial Occupancy Certificate was issued to Tata Medical Center on dated 19.06.2015. Actually Tata Medical Center provided 86 nos. of car parking spaces instead of 105 nos.

After obtaining P.O.C. Tata Medical Center requested to waive out the balance 19 nos. of car parking spaces on their letter dated 14.09.15. They also pointed out to implement the amendment of the Building Rule of 2009 where balance requirement of car parking will



reduce to '9' nos. Moreover they requested for providing these 9 nos. of car parking spaces within adjacent to Research Centre instead of Premashraya Guest House.

Tata Medical center requested for waiver of the short fall in Parking Space mentioning that Premashraya had been constructed at a cost of Rs. 41 crores in order to provide low cost accommodation for poor patients with cancer who come to Tata Medical Center for treatment. They also mentioned that the facility was meant for poor patients to stay and those people donot require any parking as they do not possess their own vehicles.

In the context of the above this is proposed that

- 1) We may recommend to the Government for waiver of requirement of 19 parking slots.

Or

- 2) We may allow the benefit of amendment of the New Town Kolkata Development Authority (Buildings) Rule, 2009 by charging the re-sanction fees whereby the requirement of parking space will come down to '9' which may be allowed to be provided of the parking space within adjacent to Research Center.

After a detailed discussion, meeting unanimously resolved that considering the plea of Tata Medical Centre that the facility was built up for poor patients who are not likely to possess cars, the requirement of all 105 parking slots as per the sanctioned building plan will not be required and on that ground this special case will be referred to the Government recommending waiver of construction of remaining 19 Parking slots as a gesture to encourage installation of specialized medical facilities for benefit of the poor.

3. Proposed power and functions of SPV.

Chief Executive Officer stated that as per the guidelines provided by the Government of India, regarding the setting up and operationalizing of Special Purpose Vehicles or SPVs, the following powers are needed to be delegated, in order to ensure its optimum functionality:

1. Powers to Plan, implement, manage and operate smart city projects.
2. Powers to Approve and sanction the smart city projects including technical appraisals
3. Powers to appoint technical experts/ firms for technical expertise, handholding support and time to time monitoring
4. Powers to Mobilize resources including finances from the market, if required



5. Powers to Implement and monitor the Smart City Proposal with operational freedom , in close coordination/Collaboration/Understanding with NKDA, HIDCO, NTESCL, NTTIDCO, PHED and any other government/Pvt institutions/ departments as it deems fit.
 6. Powers to Comply with the requirements of State Government and MoUD as required
 7. Powers to Incorporate joint ventures, subsidiaries and enter 'into Public Private Partnerships as may be required
 8. Powers to Enter into contracts, partnerships and service delivery arrangements as may be required
 9. Powers to Determine and collect user charges as authorized by the ULB/ State Government.
 10. Powers to Undertake citizen periodic feedback on the smart projects
 11. Powers to collaborate with other state government institutions and departments on convergence related projects.
 12. Powers to formulate its own procurement policy, finance & accounts policy, human resource policy and other related policy considering the relevant / applicable polices, acts and rules of state/ central government.
- Any other duties / responsibilities entrusted to it by this authority from time to time.

Board unanimously approved the proposal.

4. Some Proposed Smart initiatives.

Chief Executive Officer intimated the meeting that in Connection with implementation of a complete e-governance/m-governance solution with a human interface is proposed to be undertaken by NKDA as a part of Smart City initiative. For ensuring e-delivery of health services to the stake holders of this city and to increase the accessibility to primary health services, telemedicine kiosks are proposed to be set up under the Smart City initiative. Assistance in this regard may be requested from important national/international players in this field like HP or any other renowned company.

It is also proposed that in order to facilitate start ups in this city, incubation centres are to be set up in collaboration with WBHIDCO supported by mobile e-application.

NKDA will also take initiatives to involve senior citizens of this city in connection with continuing education, implementing ICT.

NKDA will also promote solar powered lightings and other power efficient equipments like LED lamps etc in Bus Stands, parks and other secured public spaces like Government Offices.

Board approved the proposal.

There being no other issue for discussion, the meeting ended with vote of thanks to and from the chair.



Debashis Sen,
Chairman,
New Town Kolkata Development Authority


Memo No 6981/NKDA/ADMN-21/2009

Dated 08/12/2015

Copy forwarded for information and kind perusal to:

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|--|----------------|
| 1. Sri Debashis Sen IAS,
Principal Secretary, Urban Development Department | Chairman, NKDA |
| 2. Smt. Kakoli Ghosh Dastidar, Member of Parliament | Member, NKDA |
| 3. Sri Sabysachi Dutta, Member of Legislative Assembly | Member, NKDA |
| 4. Smt. Manmeet Kaur Nanda, IAS,
District Magistrate, North 24-Parganas | Member, NKDA |
| 5. Representative of Municipal Affairs Dept.
Project Director, Kolkata Urban Services for Poor &
Ex-officio Additional Secretary, Municipal Affairs Department | Member NKDA |
| 6. Sri Anindya Karforma, DG (Building),
Kolkata Municipal Corporation | Member, NKDA |
| 7. Smt. Debjani Dutta, WBCS (Exe.)
Joint Managing Director, WBHIDCO Ltd. | Member, NKDA |

- | | |
|--|-----------------------------------|
| 8. Sri Debapriya Biswas WBCS(Exe.)
NKDA
Chief Executive Officer,NKDA | Member, |
| 9. Sri Pradeep Roy | Chief Engineer, NKDA |
| 10. Sri Uttam Kumar Jana | Superintendent Engineer, M/E,NKDA |
| 11. Sri Sukrit Chatterjee | Chief Architect, NKDA |
| 12. Sri Dilip Kr. Das | Estate Manager-I, NKDA |
| 13. Sri Amit Kumar Bose | Estate Manager-II NKDA |
| 14. Sri Debyeet Ganguly WBCS(Exe.)
NKDA | Administrative Officer –I, |
| 15. Sri Sukanta Kumar De | Administrative Officer-II, NKDA |
| 16. Sri Himadri De | Finance Officer, NKDA |
| 17. Sri Abin De
NKDA | Executive Engineer-I, |
| 18. Sri Ashoke Kr Dutta | Executive Engineer-II, NKDA |


Gopal Chandra Ghose
Member Secretary,
New Town Kolkata Development Authority

4.3. Agreement/s With Para Statal Bodies, Boards, existing in the city (HIDCO, NTTIDCO, NTESCL, PHED, WEBEL) for implementing the full scope of the SCP

Memorandum of Understanding between New Town Kolkata Development Authority and WBHIDCO for implementation of Smart City Plan in New Town Kolkata in collaboration with each other

Whereas Government of India has selected ninety eight number of cities as Smart Cities under the Smart Cities mission

And

Whereas New Town, Kolkata is one of these ninety eight cities earmarked as Smart Cities under the above mentioned mission and based on the inputs received from an extensive citizen interaction process, a Smart City Plan has also been prepared fine lining the Pan City solutions and area based smart interventions including the area for the city

And

Whereas, New Town Kolkata Development Authority (NKDA) constituted under The New Town Kolkata Development Authority Act, 2007 (The West Bengal Act XXX of 2007) for rendering various civic services and amenities within the city, is the implementing authority of this plan

And

Whereas The West Bengal Housing Infrastructure Development Corporation (WBWBHIDCO) is the planning authority for New Town, Kolkata and entrusted with infrastructural development in entire New Town Kolkata, West Bengal

And

Whereas a close convergence is a necessity between NKDA and Various parastatal bodies to implement the Smart City plan

Therefore

Today on 07/12/15, New Town Kolkata Development Authority, Represented by its Chief Executive Officer and West Bengal Housing Infrastructure Development Corporation represented by its Joint Managing Director reach the following understanding that:

1. WBHIDCO will Collaborate with NKDA to implement the full scope of the Smart City Plan (SCP) of New Town Kolkata including the area based and pan city solution.
2. WBHIDCO will Be part of the Special Purpose Vehicle (SPV) which will be operationalized for implementing the Smart City Plan of New Town Kolkata as an equity partner.
3. Both the parties will Support planning, implementing, managing and operating smart city projects in close association with each other.
4. WBHIDCO will provide all assistance as the planning authority and major infrastructure developer of New Town Kolkata .
5. Both the parties will ensure coordinated development of physical infrastructure so that it can be easily dovetailed with the smart projects to be implemented by the SPV.
6. Any such issues with regards to supporting and collaborating with NKDA and/or SPV to implement the Smart City Plan in a time bound and cost effective manner.

(Debasriya Biswas)
Chief Executive Officer
New Town Kolkata Development Authority
New Town Kolkata Development Authority
03, M.A.R., Kolkata -700 156

7.12.15
Jt. Managing Director
WBHIDCO
Jt. Managing Director (Admn.)
WBHIDCO Ltd.

Memorandum of Understanding between New Town Kolkata Development Authority and PHED for implementation of Smart City Plan in New Town Kolkata in collaboration with each other

Whereas Government of India has selected ninety eight number of cities as Smart Cities under the Smart Cities mission

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Whereas, New Town Kolkata Development Authority (NKDA) constituted under The New Town Kolkata Development Authority Act, 2007 (The West Bengal Act XXX of 2007) for rendering various civic services and amenities within the city, is the implementing authority of this plan

And

Whereas dedicated Circle of Public Health Engineering Directorate (PHED) under command of Superintending Engineer, New Town Kolkata Water Supply Circle with includes three Civil Divisions and one mechanical division are functioning as executing agency financed by WBHIDCO and NKDA in the field of Water Supply, Storm Water Drainage, Sanitation and sewage (installation of infrastructure and operation and maintenance)

And

Whereas a close convergence is necessary between Various parastatal bodies to implement the Smart City plan

Therefore

Today on 07/12/15, New Town Kolkata Development Authority, Represented by its Chief Executive Officer and PHED represented by its Superintending Engineer, New Town Kolkata Water Supply Circle reach the following understanding that:

1. PHED will collaborate with NKDA to implement the water supply, sewerage and drainage related components of the Smart City Plan (SCP) of New Town Kolkata including the applicable area based and pan city solutions
2. PHED will support planning, implementing, managing and operating smart city projects especially the water supply, sewerage and drainage related components
3. PHED will guide the SPV in implementation of the smart solutions related to water supply, sewerage and drainage related components
4. PHED will enable monitoring of the Smart City Plan of New Town Kolkata with regards to water supply, sewerage and drainage related components
5. Any such issues with regards to supporting and collaborating with NKDA and/or SPV to implement the Smart City Plan in a time bound and cost effective manner

(Debanjana Biswas)
07/12/15
Chief Executive Officer
New Town Kolkata Development Authority
WBHDS (Exe.)
Chief Executive Officer
New Town Kolkata Dev. Authority

(Soumitra K. Gupta)
Superintending Engineer, PHED
New Town Kolkata Water Supply Circle

Memorandum of Understanding between NewTown Kolkata Development Authority and NTESCL for implementation of Smart City Plan in NewTown Kolkata in collaboration with each other

Whereas Government of India has selected ninety eight number of cities as Smart Cities under the Smart Cities mission

And

Whereas New Town, Kolkata is one of these ninety eight cities earmarked as Smart Cities under the above mentioned mission and based on the inputs received from an extensive citizen interaction process, a Smart City Plan has also been prepared fine lining the Pan City solutions and area based smart interventions including the area for the city

And

Whereas, New Town Kolkata Development Authority (NKDA) constituted under The New Town Kolkata Development Authority Act, 2007 (The West Bengal Act XXX of 2007) for rendering various civic services and amenities within the city, is the implementing authority of this plan

And

Whereas New Town Electric Supply Company Ltd (NTESCL) was constituted for working as a Joint Venture Company of WBSEDCL and WBHIDCO for distribution of power exclusively in New Town, Kolkata

And

Whereas a close convergence is necessary between Various parastatal bodies to implement the Smart City plan

Therefore

Today on 07/12/15, New Town Kolkata Development Authority, Represented by its Chief Executive Officer and NTESCL represented by its Managing Director reach the following understanding that:

1. NTESCL will collaborate with NKDA to implement the power/ electricity distribution related components of the Smart City Plan (SCP) of New Town Kolkata including the applicable area based and pan city solutions
2. NTESCL will be part of the Special Purpose Vehicle (SPV) which will be operationalized for implementing the Smart City Plan of New Town Kolkata
3. NTESCL will nominate one senior official as the Board member of the SPV
4. NTESCL will support planning, implementing, managing and operating smart city projects especially the power sector related components
5. NTESCL will provide all assistance as the dedicated electricity distribution company of New Town Kolkata
6. NTESCL will ensure coordinated development of electricity distribution infrastructure including smart grid, smart meters and other smart solutions so that it can be easily dovetailed with the smart projects to be implemented by the SPV
7. NTESCL will enable monitoring of the Smart City Plan of New Town Kolkata with regards to power sector
8. Any such issues with regards to supporting and collaborating with NKDA and/or SPV to implement the Smart City Plan in a time bound and cost effective manner

(Debanjan Biswas)
Chief Executive Officer
New Town Kolkata Development Authority
New Town Kolkata Development Authority
03, M.A.R., Kolkata-700 156

(P.P. Biswas)
07.12.2015
Managing Director
(P.P. Biswas)
Managing Director
New Town Electric Supply Co. Ltd.

Memorandum of Understanding between NewTown Kolkata Development Authority and NTTIDCO for implementation of Smart City Plan in NewTown Kolkata in collaboration with each other

Whereas Government of India has selected ninety eight number of cities as Smart Cities under the Smart Cities mission

And

Whereas New Town, Kolkata is one of these ninety eight cities earmarked as Smart Cities under the above mentioned mission and based on the inputs received from an extensive citizen interaction process, a Smart City Plan has also been prepared fine lining the Pan City solutions and area based smart interventions including the area for the city

And

Whereas, New Town Kolkata Development Authority (NKDA) constituted under The New Town Kolkata Development Authority Act, 2007 (The West Bengal Act XXX of 2007) for rendering various civic services and amenities within the city, is the implementing authority of this plan

And

Whereas the New Town Telecom Infrastructure Development Company Ltd (NTTIDCO), a joint venture company of WEBFIL and WBHIDCO has been constituted to implement and improve the telecommunications infrastructure in New Town Kolkata, West Bengal

And

Whereas a close convergence is necessary between Various parastatal bodies to implement the Smart City plan

Therefore

Today on 07/12/15, New Town Kolkata Development Authority, Represented by its Chief Executive Officer and NTTIDCO represented by its Chairman reach the following understanding that:

1. NTTIDCO will Collaborate with NKDA to implement the telecom and IT infrastructure related components of the Smart City Plan (SCP) of New Town Kolkata including the applicable area based and pan city solutions
2. NTTIDCO will be part of the Special Purpose Vehicle (SPV) which will be operationalized for implementing the Smart City Plan of New Town Kolkata
3. NTTIDCO will nominate one senior official as the Board member of the SPV.
4. NTTIDCO will support planning, implementing, managing and operating smart city projects especially the telecom and IT infrastructure related components
5. NTTIDCO will provide all assistance as the dedicated Telecom/ IT infrastructure development agency of New Town Kolkata.
6. NTTIDCO will ensure coordinated development of telecom and IT infrastructure so that it can be easily dovetailed with the smart projects to be implemented by the SPV
7. NTTIDCO will enable monitoring of the Smart City Plan of New Town Kolkata with regards to Telecom and IT infrastructure
8. Any such issues with regards to supporting and collaborating with NKDA and/or SPV to implement the Smart City Plan in a time bound and cost effective manner

Debaraja Bhowmik
07/12/15
(Debaraja Bhowmik)
Chief Executive Officer
New Town Kolkata Development Authority
New Town Kolkata Development Authority
03, M.A.R., Kolkata - 700 156

Ananda Ganguly 07-12-2015
(ANANDA GANGULY)
Chairman
NTTIDCO

**NEW TOWN TELECOM INFRASTRUCTURE
DEVELOPMENT COMPANY LIMITED**

- 4.4.** Resolution of NKDA incentivizing use of energy efficient light, decentralized SWM, dual piping, for recycling gray water, order to curb unauthorized encroachment, no littering

Minutes of the 30th meeting of the New Town Kolkata Development Authority held on 4th December 2015 at 12.00 noon at the conference hall of the Authority.

Members present

- | | |
|---|------------------------|
| 1. Sri Debashis Sen, IAS
Principal Secretary
Urban Development Dept. | Chairman, NKDA |
| 2. Sabyasachi Dutta, MLA | Member, NKDA |
| 3. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary
Urban Development Dept. | Member Secretary, NKDA |
| 4. Sri Anindya Karformar DG , Building
Kolkata Corporation | Member, NKDA |
| 5. Smt. Debjani Dutta WBCS(Exe)
Joint Managing Director, WBHIDCO | Memer,NKDA |
| 6. Sri Debapriya Biswas, WBCS(Exe)
CEO, NKDA | Member,NKDA |

Others present

- | | |
|-------------------------|------------------------------|
| 1. Sri Pradip Roy | Chief Engineer, NKDA |
| 2. Sri Sukanta Kumar De | Administrative Officer, NKDA |
| 3. Sri Himadri De | Finance Officer, NKDA |

Sri Debashis Sen, IAS Chairman, Newtown Kolkata Development Authority took the chair. He welcomed all the members of the Authority in the meeting. There after he initiated the formal discussion of the meeting and advised Member Secretary to place the agenda of the meeting for discussion in order.

1. Confirmation of the proceedings of the 29th meeting of New Town Kolkata Development Authority.

Sri Gopal Chandra Ghose Member Secretary, NKDA read out the proceedings of the 29th meeting held on 11.09.2015 for information and confirmation of the members. Board confirmed the proceedings.



A. Provision for providing incentives for using energy efficient lights and other equipments.

B. In order to curb unauthorized encroachments and to enhance the beautification of the city, provision of landscaping of the frontal area from property line upto the edge of the box drain by plantation of grass and decorative shrubs (under no circumstances any other plant variety will be allowed) and enclosing the said area by erecting bamboo fencing of height 1.2 Mts Maximum. However, creation of such landscaping shall not create any type of right over the land. The frontal area landscaping plan must be presented before NKDA for approval. Whether this provision will be made mandatory or incentivised by making suitable amendments in the NKDA Building Rules 2009, may also kindly be decided.

C. As per provision of Rule No 28(2) of NKDA Building Rules 2009, there are provisions for incentives for rain water harvesting, use of renewable energy, solar passive architecture and use of fly ash bricks. As provided in the Rule, for each item 2% of the building sanction fees shall be reduced. Now it is proposed that for recycling of grey water (dual piping) and decentralized solid waste treatment, the same benefit may be extended. Whether any further incentive in form of concession in property taxes and/or allowing additional FAR may also be kindly considered.

D. As per the provisions of the Smart City Guidelines, at the implementation stage of the SCP a Special Purpose Vehicle needs to be formed which will act as the executing agency for all smart solutions. As prescribed the share of State Government and NKDA jointly shall not be below 50% of the holdings in the said SPV and the holding pattern of both the parties will be 50:50. In this context the following structural arrangement of the SPV is proposed:

1. SPV will be a Limited Company, with the following shareholding pattern: - State Government: 25.5%; ULB or NKDA: 25.5%; WBHIDCO (a fully Government of West Bengal owned public sector undertaking) may be requested to be a shareholder with 49% equity.

2. Representative from the Central Government (as Prescribed in the Guidelines), Nominated Officers from NKDA, HIDCO, NTTIDCO, NTSECL, WEBEL Representatives from Industry Associations like NASSCOM, Independent Director from MoCA etc. may be accommodated in the Board of SPV. Chairman NKDA may be the



Chairman of Board of Directors of the SPV. A Chief Executive Officer having suitable qualifications and experience, may be appointed from private/public sector. Till such CEO is selected, provision of one interim CEO may be made by the Board. If required the SPV may be housed at the office premises of NKDA or WBHIDCO may be requested to provide space.

E. Agreements by NKDA for smart utility services (as detailed in the SCP) may be done with agencies like with WBHIDCO, NTSECL, NTTIDCO, PHED, WEBEL etc for partnering the delivery of the Smart City Plan.

F. To maintain the cleanliness of the Eco-Park, New Town, a fine of Rs. 100/- may be imposed on the visitors found littering within the premises, if approved by the Board. Later this provision may be extended all over the city, in phases.

G. The Smart City Plan made in Collaboration with Deloitte Touche Tohmatsu may kindly be approved.

After point wise discussion meeting approved all the proposals with the following rectifications

Proposal D

(2) CEO NKDA may be the Chairman of Board of Directors of the SPV.

Proposal F

The proposal was approved in the following manner:

To maintain the cleanliness of the Eco-Park, New Town, a fine of Rs. 100/- will be imposed on the visitors found littering within the premises and this provision shall also be applicable to Action Area-1A, 1B, 1C of New Town, Kolkata i.e. the area selected for area based development in the Smart City proposal.

Proposal-G

The Board approved the Smart City Proposal / Plan including financial plan as reproduced below in brief:

- A. Total estimated Plan Size for implementing the projects conceived as part of this Smart City Plan is: **INR 2928.26 crores.**
- B. External Contribution estimated as part of Convergence with from government programs/ schemes/ projects is calculated at **INR 1089.74 crores,** out of which estimated budget for
 - o developing physical infrastructure: INR 926.00 crores

NKDA will also promote solar powered lightings and other power efficient equipments like LED lamps etc in Bus Stands, parks and other secured public spaces like Government Offices.

Board approved the proposal.

There being no other issue for discussion, the meeting ended with vote of thanks to and from the chair.



**Debashis Sen,
Chairman,**

New Town Kolkata Development Authority

Memo No 6981/NKDA/ADMN-21/2009

Dated 08/12/2015

Copy forwarded for information and kind perusal to:

- | | |
|--|----------------|
| 1. Sri Debashis Sen IAS,
Principal Secretary, Urban Development Department | Chairman, NKDA |
| 2. Smt. Kakoli Ghosh Dastidar, Member of Parliament | Member, NKDA |
| 3. Sri Sabysachi Dutta, Member of Legislative Assembly | Member, NKDA |
| 4. Smt. Manmeet Kaur Nanda, IAS,
District Magistrate, North 24-Parganas | Member, NKDA |
| 5. Representative of Municipal Affairs Dept.
Project Director, Kolkata Urban Services for Poor &
Ex-officio Additional Secretary, Municipal Affairs Department | Member NKDA |
| 6. Sri Anindya Karforma, DG (Building),
Kolkata Municipal Corporation | Member, NKDA |
| 7. Smt. Debjani Dutta, WBCS (Exe.)
Joint Managing Director, WBHIDCO Ltd. | Member, NKDA |

- | | |
|--|---|
| 8. Sri Debapriya Biswas WBCS(Exe.)
NKDA
Chief Executive Officer,NKDA | Member, |
| 9. Sri Pradeep Roy | Chief Engineer, NKDA |
| 10. Sri Uttam Kumar Jana | Superintendent Engineer, M/E,NKDA |
| 11. Sri Sukrit Chatterjee | Chief Architect, NKDA |
| 12. Sri Dilip Kr. Das | Estate Manager-I, NKDA |
| 13. Sri Amit Kumar Bose | Estate Manager-II NKDA |
| 14. Sri Debyeet Ganguly WBCS(Exe.)
NKDA | Administrative Officer –I,
Administrative Officer-II, NKDA |
| 15. Sri Sukanta Kumar De | Finance Officer, NKDA |
| 16. Sri Himadri De | Executive Engineer-I, |
| 17. Sri Abin De
NKDA | |
| 18. Sri Ashoke Kr Dutta | Executive Engineer-II, NKDA |

Gopal Chandra Ghose
Member Secretary,
New Town Kolkata Development Authority

4.5. Resolution of NKDA for sharing of Property Tax and Water Charges from Action Area 1A, 1B and 1C with the SPV

Minutes of the 30th meeting of the New Town Kolkata Development Authority held on 4th December 2015 at 12.00 noon at the conference hall of the Authority.

Members present

- | | |
|---|------------------------|
| 1. Sri Debashis Sen, IAS
Principal Secretary
Urban Development Dept. | Chairman, NKDA |
| 2. Sabyasachi Dutta, MLA | Member, NKDA |
| 3. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary
Urban Development Dept. | Member Secretary, NKDA |
| 4. Sri Anindya Karformar DG , Building
Kolkata Corporation | Member, NKDA |
| 5. Smt. Debjani Dutta WBCS(Exe)
Joint Managing Director, WBHIDCO | Member, NKDA |
| 6. Sri Debapriya Biswas, WBCS(Exe)
CEO, NKDA | Member, NKDA |

Others present

- | | |
|-------------------------|------------------------------|
| 1. Sri Pradip Roy | Chief Engineer, NKDA |
| 2. Sri Sukanta Kumar De | Administrative Officer, NKDA |
| 3. Sri Himadri De | Finance Officer, NKDA |

Sri Debashis Sen, IAS Chairman, Newtown Kolkata Development Authority took the chair. He welcomed all the members of the Authority in the meeting. There after he initiated the formal discussion of the meeting and advised Member Secretary to place the agenda of the meeting for discussion in order.

1. Confirmation of the proceedings of the 29th meeting of New Town Kolkata Development Authority.

Sri Gopal Chandra Ghose Member Secretary, NKDA read out the proceedings of the 29th meeting held on 11.09.2015 for information and confirmation of the members. Board confirmed the proceedings.



forwarded to the Bank authority for execution. But they have then verbally communicated that only permissive possession would not serve their purpose the agreement is required to be made that NKDA has full authority to execute the tenancy agreement and they were requested to submit the proposal in writing mentioning the detail.

Meeting instructed CEO to come back to the Board after clearing the legal issues.

7. Imposition of Property Tax in New Town, Kolkata

Chief Executive Officer informed the meeting that after receipt of draft valuation list and assessment of Property Tax from the West Bengal Valuation Board, it is learnt that provision of Unit Area Assessment System has been incorporated in the Chapter-X of the West Bengal Municipal Act, 1993 as an alternative method of assessment of property tax. Since, provisions of Chapter-X of the West Bengal Municipal Act, 1993 is applicable mutatis-mutandis in the jurisdiction of NKDA (section 36B of the NKDA Act, 2007), now this option is also available to NKDA. Unit Area Assessment System is a modern concept and method for assessment of property tax with greater degree of transparency and simplicity. Though the assessment list of property tax prepared by the West Bengal Valuation Board is ready for draft publication, since the publication has not been made, we have the scope to start afresh with the Unit Area System.

After detailed discussion over the issue, meeting unanimously resolved to adopt the Unit Area System of assessment.

8. Participation in Stage 2 Challenge in Smart City Competition – Smart City Proposal.

Chief Executive Officer placed some proposals for incorporation in the Smart City Plan which will have to be forwarded to the Govt. of India shortly. In these respect he stated that New Town Kolkata is an emerging Smart city under the Smart Cities Mission of Government of India. A Smart City apart from being a technologically enabled city must also be a clean and green city, where the citizens and stake holders share the responsibility to keep it as such. The draft SCP has been prepared after extensive citizen engagement and is being placed before the Board. The following provisions are placed before the Board for kind approval in order to incorporate the same in the plan:



- o developing smart infrastructure/ projects: INR 163.7 crores

C. External Contribution from private sector as part of PPP projects is estimated at INR 693.00 crores

D. Thus, total project cost proposed for Smart City Proposal of New Town Kolkata is: **INR 1145.52 crores** (D = A-B-C).

It has also been decided by the Board that 45% of property tax to be collected from Action Area 1A, 1B, 1C and 50 % of water tax / charges collected from entire New Town, Kolkata shall be shared with the SPV to ensure its sustainability.

9. Revised Administrative Approval and Financial Sanction (AAFS) for the work of Construction” UPASANA GRIHA” at AA- 1D, under NKDA, New Town, Kolkata.

Chief Executive Officer informed the meeting that Administrative Approval and Financial Sanction for an amount of Rs. 60,00,000.00 (Sixty Lakh) only was accorded in the 25th. Meeting of the Board held on 13.12.2014 for construction of UPASANA GRIHA at AA-1D New Town, Kolkata. But at the time of actual execution of work some item of work have been greatly changed as per decision of the higher Authority like:

- Malleable Cast Iron Framing in place of Wooden Framing.
- Pavement Work with Paver Block etc.

While implementing the above changes in field a further revised estimate has been framed and the value of original tender has enhanced to Rs. 97,88,533/- (Ninety Seven Lakh Eighty Eight Thousand Five Hundred Thirty Three) only and the estimate has been Technically Sanctioned by the Competent Authority.

Board accorded Revised Administrative Approval and Financial Sanction for the project construction work of Upasana Griha.

Miscellaneous :

1. POC/OC for the project of Millennium Tower and East Enclave undertaken by West Bengal Housing Board (WBHB)

Member Secretary informed the meeting that the housing complexes of Millennium Tower & East Enclave were constructed by West Bengal Housing Board long before formation of New Town Kolkata Development Authority. The Building plans were

NKDA will also promote solar powered lightings and other power efficient equipments like LED lamps etc in Bus Stands, parks and other secured public spaces like Government Offices.

Board approved the proposal.

There being no other issue for discussion, the meeting ended with vote of thanks to and from the chair.



Debashis Sen,
Chairman,
New Town Kolkata Development Authority

Memo No 6981/NKDA/ADMN-21/2009

Dated 08/12/2015

Copy forwarded for information and kind perusal to:

- | | |
|--|----------------|
| 1. Sri Debashis Sen IAS,
Principal Secretary, Urban Development Department | Chairman, NKDA |
| 2. Smt. Kakoli Ghosh Dastidar, Member of Parliament | Member, NKDA |
| 3. Sri Sabysachi Dutta, Member of Legislative Assembly | Member, NKDA |
| 4. Smt. Manmeet Kaur Nanda, IAS,
District Magistrate, North 24-Parganas | Member, NKDA |
| 5. Representative of Municipal Affairs Dept.
Project Director, Kolkata Urban Services for Poor &
Ex-officio Additional Secretary, Municipal Affairs Department | Member NKDA |
| 6. Sri Anindya Karforma, DG (Building),
Kolkata Municipal Corporation | Member, NKDA |
| 7. Smt. Debjani Dutta, WBCS (Exe.)
Joint Managing Director, WBHIDCO Ltd. | Member, NKDA |

- | | |
|--|-----------------------------------|
| 8. Sri Debapriya Biswas WBCS(Exe.)
NKDA
Chief Executive Officer,NKDA | Member, |
| 9. Sri Pradeep Roy | Chief Engineer, NKDA |
| 10. Sri Uttam Kumar Jana | Superintendent Engineer, M/E,NKDA |
| 11. Sri Sukrit Chatterjee | Chief Architect, NKDA |
| 12. Sri Dilip Kr. Das | Estate Manager-I, NKDA |
| 13. Sri Amit Kumar Bose | Estate Manager-II NKDA |
| 14. Sri Debyeet Ganguly WBCS(Exe.)
NKDA | Administrative Officer –I, |
| 15. Sri Sukanta Kumar De | Administrative Officer-II, NKDA |
| 16. Sri Himadri De | Finance Officer, NKDA |
| 17. Sri Abin De
NKDA | Executive Engineer-I, |
| 18. Sri Ashoke Kr Dutta | Executive Engineer-II, NKDA |

Gopal Chandra Ghose
Member Secretary,
New Town Kolkata Development Authority

FROM : W. B. VALUATION BOARD.

FAX NO. : 033 23585720

1 Oct. 2015 12:57PM P1

*AO-1/2M32
Coun
04/10/15*



WEST BENGAL VALUATION BOARD

(A Statutory Body of the Govt. of West Bengal)
"MAYUKH" (Ground Floor), Bidhannagar, Kolkata - 700 091
Phone No. : 2337 - 4762, 2337 - 5998, 2358 - 5164, Fax No. : 2358 - 5720 & 2321 - 0924

No. 328 WBVB/1M-137/201405

Dated, 01, 10, 2015

From : The Member Secretary,
West Bengal Valuation Board.

To : The Chief Executive Officer,
New Town Kolkata Development Authority,
3, Major Arterial Road, New Town,
Kolkata - 700 156

Sub:- General Valuation of Land & Buildings under the Jurisdiction of
New Town Kolkata Development Authority.

Ref:- Your Letter No. 4834/NKDA/Admn.-462/2014 dt. 14.08.2015.

Sir,

This is to inform you that this office has prepared the Trial Valuation List of land and buildings under the jurisdiction of New Town Kolkata Development Authority as per guideline given by the M.A Department in their letter No. 154/MAVO/C-6/4A-4/2014 dated, 7th July 2015.

Now, you are requested to make it convenient to visit this office preferably on any working day in the next week (5th to 9th October 2015) for a detailed discussion and finalisation of trial valuation list (within the frame work of the Govt. guidelines as mentioned above) as prepared by this office on the basis of joint survey undertaken by the West Bengal Valuation Board & New Town Kolkata Development Authority.

Thanking you

*Ms. Bora
5/10/15*

Yours faithfully

[Signature]
Member Secretary

Dated,

No. WBVB/1M-137/201405

Copy forwarded by information to:-

1. Valuation Officer, W.B.V.B
2. Surveying Valuer, W.B.V.B
3. Sri. Manas Adhikary, A.V.O, W.B.V.B
4. Sri. Samik Roy, Investigator Gr.-I, W.B.V.B

Member Secretary



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: 4834 / NKDA / Admn – 462 / 2014

Date : 14.08.2015

To
The Member Secretary
West Bengal Valuation Board,
Government of West Bengal
Kolkata - 700091

Sub: General Valuation of Land and Buildings under the jurisdiction of New Town Kolkata Development Authority

Ref: Your Letter No. 215 / WBVB / M – 132 / 2014 dated 29.07.2015

Sir,

With reference to your letter as mentioned above, I am directed to inform you that the total demand of New Town Kolkata Development Authority on the account of Property Tax from all sources is Rs. 125.97 Crore.

Thanking you,

Yours faithfully

Chaitanya
14/08/15

Chief Executive Officer
New Town Kolkata Development Authority

Memo No: 4834 / NKDA / Admn – 462 / 2014

Date : 14.08.2015

Copy forwarded for kind information to

1. PA to the Hon'ble Chairman, NKDA
2. PA to the Member Secretary, NKDA

Chief Executive Officer
New Town Kolkata Development Authority



WEST BENGAL VALUATION BOARD

(A Statutory Body of the Govt. of West Bengal)
"MAYUKH" (Ground Floor), Bidhannagar, Kolkata - 700 091
Phone No. : 2337 - 4762, 2337 - 5998, 2358 - 5164, Fax No. : 2358 - 5720 & 2321 - 0924

No. 215/WBVB/IM-137/2014

dated 29/07/2015

From : Member Secretary,
West Bengal Valuation Board.

To : The Chief Executive Officer,
New Town Kolkata Development Authority,
3, Major Arterial Road, New Town,
Kolkata - 700 156.

Sub : General valuation of land & buildings under the jurisdiction of
New Town Kolkata Development Authority.

Sir,

Please recall that in pursuance of M.A. Department memo no. 154/MA/O/C-6/4A-4/2014 dated 7th July, 2015, a meeting was held in this office on 17.7.2015 for a discussion in respect of valuation of properties in Residential Area within NKDA and concomitant elaboration of the method adopted and rate which were taken into consideration by West Bengal Valuation Board (WBVB) for valuation of properties in Bidhannagar Municipality. Minutes of the said meeting is enclosed for your perusal.

As requested by you, some examples of calculation of valuation of properties done in Bidhannagar Municipality were handed over subsequently to Shri Amit Kumar Basu, Estate Managar, NKDA.

In regard to properties in Commercial Area within NKDA, we had, in pursuance of M.A. Department memo cited above requested Executive Officer, Nabadiganta Industrial Township Authority (NDITA) to inform us the procedure and methodology followed by NDITA for determination of valuation of properties within the jurisdiction of NDITA.

EM-II
31.08.15



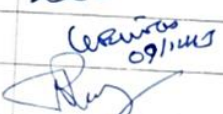
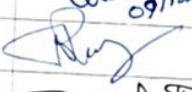
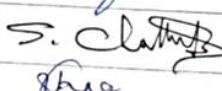
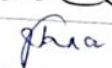



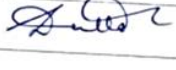
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4.6. Preliminary Human Resource Plan for the SPV and Institutional Arrangement for Operationalizing the SPV

Attendance of meeting to Chalk out Human Resource Plan & Institutional arrangements for operationalization of SPV to be constituted for implementation of Smart City Plan for New Town, Kolkata

Date : 07-12-2015

Venue : Office of the New Town Kolkata Development Authority, New Town, Kolkata

Sl. No.	Name	Designation	Signature
1	Sri Debashis Sen, IAS	Chairman	
2	Sri Gopal Chandra Ghose, WBCS(Exe.)	Member Secretary	
3.	Sri Debapriya Biswas, WBCS (Exe.)	Chief Executive Officer	 09/11/15
4	Sri Pradeep Roy	Chief Engineer	
5	Sri Sukrit Chatterjee	Chief Architect	
6	Sri Uttam Kr. Jana	Superintending Engineer	
7	Sri Debyeet Ganguly, WBCS (Exe.)	Administrative Officer	
8	Sri Abin De	Executive Engineer-I	
9	Sri Ashok Kr. Dutta	Executive Engineer-II	
10	Sri Himadri De	Finance Officer	

Minutes of follow-up meeting to Chalk out Human Resource Plan & Institutional arrangements for operationalization of SPV to be constituted for implementation of Smart City Plan for New Town, Kolkata

Date: 07-12-2015

Venue: Office of the New Town Kolkata Development Authority, New Town, Kolkata

Attended by-

- | | |
|---|-----------------------------------|
| 1. Sri Debashis Sen, IAS
Principal Secretary
Urban Development Dept. | Chairman, NKDA & Chairman WBHIDCO |
| 2. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary
Urban Development Dept. | Member Secretary, NKDA |
| 3. Sri Debapriya Biswas, WBCS(Exe) | CEO, NKDA |
| 4. Sri Pradeep Roy | Chief Engineer, NKDA |
| 5. Sri Sukrit Chatterjee | Chief Architect, NKDA |
| 6. Sri Uttam Jana | Superintending Engineer, NKDA |
| 7. Sri Debyeet Ganguly, WBCS(Exe) | Administrative Officer, NKDA |
| 8. Sri Abin De | Executive Engineer, NKDA |
| 9. Sri Ashoke Dutta | Executive Engineer, NKDA |

Sri Debashis Sen, IAS, Chairman, New Town Kolkata Development Authority (NKDA) and Chairman WBHIDCO took the chair and initiated discussion to chalk out a plan for institutional arrangements for operationalization of the SPV to be formed to implement of the Smart City Plan of New Town, Kolkata. This is in the context of the

decision of the 30th Board meeting of New Town Kolkata Development Authority held on the 4th December, 2015.

PRELIMINARY HUMAN RESOURCE PLAN FOR SPV:

- A. As per decision of the Board of NKDA on 4th December, 2015 taken in the context of the guidelines of the Smart Cities Mission, Government of India, The SPV will be primarily managed by a Board of Directors, comprising the Joint Managing Director of HIDCO, Chairman NTTIDCO, Managing Director NTESCL, Managing Director / representative from WEBEL, representative of District Magistrate of North 24 Parganas, representatives from Central Government, representative from state government, representation from industry association (NASSCOM), representative from academic institutions- University of Engineering and Management, Kolkata, functional directors, Independent Director (MoCA) and CEO of the SPV.
- B. It was also decided in that Board Meeting that Chairperson of the SPV will be the CEO of NKDA and will be a member of the Board
- C. CEO of the SPV will be supported by a team of experts – Engineering, Urban Development, Finance & Accounting, Procurement, Legal, Company Secretary and Information Technology.
- D. To start with, for initial 1-2 years, officials of NKDA and WBHIDCO will be deputed to the SPV till the SPV gets its own officers & staffs. However, attempt should be made to make the SPV self sufficient at the earliest. There should also be an overlapping period of functioning of officials of SPV from NKDA / WBHIDCO and own officials of SPV to ensure smooth functioning of the organization.
- E. The preliminary structure of the SPV is given in Annexure 1, below.

INSTITUTIONAL ARRANGEMNET FOR OPERATIONALIZATION OF THE SPV

- F. For facilitating the initial operation of the SPV and its implementation, space within the premises of NKDA / HIDCO may be provided, as mentioned in point 8D(2) of the 30th Board Meeting Resolution, dated, 4th of December, 2015.

Further NKDA / HIDCO will utilize their legal consultants & Law officer to form the limited liability company.

- G. Governance mechanism for maximizing and monitoring performance and optimizing risk of the organization and its stakeholders include:
- i. Independent committees reporting to the Board of SPV – Procurement Committee, Audit Committee, Finance and Accounts Committee
 - ii. Procurement manual, financial manual and Human Resource manual for the SPV

INSTITUTIONAL ARRANGEMENT WITH EXISTING SPVs OPERATIONAL IN THE CITY

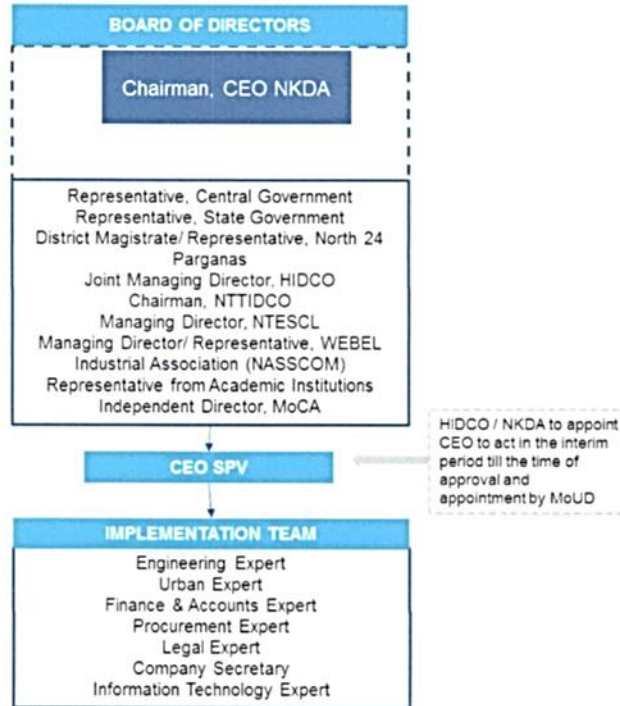
- H. The city has three other SPVs operational in the city – HIDCO, NTTIDCO, NTESCL, along with WEBEL which is a state level nodal agency (SPV) for implementing IT solutions for government.
- I. NKDA has signed MoUs with all the above four for implementation of the Smart City Plan, as mentioned in point 8E of the 30th Board Meeting Resolution, dated, 4th of December, 2015.
- J. As per decision of the Board of NKDA taken on 4th December, 2015, MoU for collaborating with NKDA in implementation of the Smart City Plan has also been signed between NKDA with Superintending Engineer, Public Health Engineering Directorate, New Town Kolkata Water Supply Circle consisting of four divisions exclusively dedicated for Water Supply, Sanitation & Sewerage and Storm Water Drainage of New Town, Kolkata.

As there was no other point to discuss, the meeting ended with thanks from and to the chair.


Debashis Sen

Chairman NKDA & Chairman WBHIDCO

ANNEXURE 1


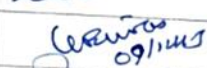


4.7. Institutional Arrangement with other existing SPVs in the City

Attendance of meeting to Chalk out Human Resource Plan & Institutional arrangements for operationalization of SPV to be constituted for implementation of Smart City Plan for New Town, Kolkata

Date : 07-12-2015

Venue : Office of the New Town Kolkata Development Authority, New Town, Kolkata

Sl. No.	Name	Designation	Signature
1	Sri Debashis Sen, IAS	Chairman	
2	Sri Gopal Chandra Ghose, WBCS(Exe.)	Member Secretary	
3.	Sri Debapriya Biswas, WBCS (Exe.)	Chief Executive Officer	
4	Sri Pradeep Roy	Chief Engineer	
5	Sri Sukrit Chatterjee	Chief Architect	
6	Sri Uttam Kr. Jana	Superintending Engineer	
7	Sri Debjeet Ganguly, WBCS (Exe.)	Administrative Officer	
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Date: 07-12-2015

Venue: Office of the New Town Kolkata Development Authority, New Town, Kolkata

Attended by-

1. Sri Debashis Sen, IAS Chairman, NKDA & Chairman WBHIDCO
Principal Secretary
Urban Development Dept.
2. Sri Gopal Chandra Ghose, WBCS(Exe) Member Secretary, NKDA
Special Secretary
Urban Development Dept.
3. Sri Debapriya Biswas, WBCS(Exe) CEO, NKDA
4. Sri Pradeep Roy Chief Engineer, NKDA
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8. Sri Abin De Executive Engineer, NKDA
9. Sri Ashoke Dutta Executive Engineer, NKDA

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As there was no other point to discuss, the meeting ended with thanks from and to the chair.


Debashis Sen

Chairman NKDA & Chairman WBHIDCO

4.8. Existing provision of NKDA Building Rules, 2009 highlighting incentives for Solar Passive Architecture, Fly Ash usage, alternate source of energy, RWH, Mixed Use, etc.

CHAPTER - III

26. Structural design. –

(1) The structural design shall be in accordance with IS: 1893 – 1984, IS: 13920 – 1993, IS: 13828 – 1993, IS: 13827 – 1993, IS: 13935 – 1993, IS 4326: 1993 and IS 1893 (Part – I) 2002 given in Annexure – A including the Indian Standards for earthquake protection of buildings.

Note: Whenever an Indian Standard or National Building Code is referred to, the latest provision in the Standard should be adhered to.

(2) All materials and workmanship shall be of good quality conforming to the accepted standards of the Public Works Department of the Government of West Bengal or Indian Standard Specifications as included in the National Building Code of India.

27. Building and plumbing services. –

(1) Building Services:-

- (a) The planning design and installation of electrical fittings, air-conditioning and heating work, installation of lifts and escalators shall be carried out in accordance with the provisions of the National Building Code of India. For electrical aspects of building services, the provisions of the National Electrical Code shall apply.
- (b) The number of type of lifts to be provided in different buildings shall be as specified in the National Building Code of India.

(2) Plumbing Services:-

- (a) Only the domestic water from Bath, Water Closet and Kitchen shall be led to the sewerage system;
- (b) Rain and storm water from roof – top and Yard washing shall be connected to the drainage system or waste water recycling system or water harvesting system where provided;
- (c) The house connection pipes projecting from adjoining sewer manhole are the properties of the Development Authority and shall not be interfered with or connected to the internal sewerage line of the plot without the written permission of the Development Authority;
- (d) The internal sewer system shall be connected to the house connection pipe of the main sewer line only through a master trap of approved design and quality;

(3) The planning design, construction and installation of water supply, drainage and sanitation and gas supply system shall be in accordance with the provisions of Water Supply, Drainage and sanitation, Gas Supply on Plumbing Services, of the National Building Code of India.

(4) The Development Authority or any officer authorised by it may, at all reasonable time, normally between sunrise and sunset, enter into or upon any premises for inspection of sewer lines, manholes and allied connections and cleaning or maintenance of the same, as necessary.

(5) Construction of dug-well or tube-well while erection of building is taking place is not permitted without written approval of the Development Authority.

(6) Septic Tank or any other form of on-spot Sanitation is not normally allowed. The Development Authority may, however, give permission in special cases for such facilities to be implemented as per the specific design of the facility prepared by the Development Authority

28. Environmental consideration during erection of building. –

(1) In order to keep safe and sustainable environment, all owners of the plots have to maintain the smooth functioning of building and plumbing services, smooth drainage system etc. Moreover, they are also encouraged to accommodate innovative environmental arrangements as stated below to keep environment more ecologically friendly.

(2) Building sanction fees shall be reduced by 2% for each of the four arrangements mentioned below. These shall be reimbursed after three years, from the date of occupancy, of successful running of the arrangements. The audit report for each of the four items will be submitted by the owner duly prepared and signed by concerned experts as mentioned:-

- (a) rain water harvesting, consisting storing, treating and use of rain water accumulated in roof, pathway, garden, which amounts not less than 10% of the total water consumption of the users annually of the said plot to be vetted by concern expert;

- (b) alternative sources of energy like solar energy and other which reduces not less than 30% of the average energy consumption (vetted by energy expert) by the users of the plot;
- (c) solar passive Architecture, which reduces the load on conventional energy consumption (vetted by energy expert) as well as increases the building efficiency in lighting, ventilation.;
- (d) use of Fly ash bricks, aggregates (at least 50 % of total quantity of brick used for the project) etc to be vetted by the development authority.

29. Basement. –

The condition of basement shall be as follows:-

- (a) no portion of the basement shall be allowed to encroach upon the mandatory open spaces;
- (b) the portion of the basement beyond the building profile shall flush with the ground level if the same is not taken in the ground coverage. The structure of such basement should be so designed that it should be capable of taking the load of heavy vehicles like fire engines etc.;
- (c) every basement shall be in every part at least 2.5 meters in height from the floor to underside of the roof slab or beam or ceiling and with maximum height not more than 4.75 meter;
- (d) adequate ventilation shall be provided for the basement. The standard of ventilation shall be of acceptable limit. Any deficiency may be met by providing adequate mechanical ventilation in the form of blowers, exhaust fans [one exhaust fan (300 mm dia, 1400 rpm, heavy duty) for 50 square meters basement area], air-conditioning system, etc.;
- (e) the minimum height of the ceiling of any basement shall be 0.9 meters and maximum of 1.2 meter above the average road level on the front side of the building, if not flushed with the ground level;
- (f) adequate arrangement shall be made such that surface water does not enter the basement;
- (g) the walls and floors of the basement shall be watertight and be so designed that the effect of the surrounding soil and moisture, if any, are taken into account in design and adequate damp proofing treatment is given;
- (h) all the staircases from the basement shall be segregated on the ground floor level.
- (i) In case the Development Authority allows the partitions in the basements, no compartment shall be less than 50.0 square meters in area and each compartment shall have ventilation standards as laid down in sub-clause (d) above separately and independently. The basement partition shall however, confirm to the norms laid down by West Bengal Fire and Emergency Services.
- (j) The other provisions of prevailing National Building Code shall be used for guidance.

30. Miscellaneous. –

(1) The construction of advertising signs and outdoor display structures shall be in accordance with the provisions of Signs and Outdoor Display Structure of the provisions of the National Building Code of India, and orders issued by the Development Authority from to time.

(2) Every building shall display, in a prominent place on the front side, the premises number and the road or street name or number as assigned to it by the planning authority, so as to be conveniently visible from the road or street as per the specifications laid down by the Development Authority.

(3) All construction materials shall be stored within the plot. As soon as the construction of any building is completed, all rubbish, refuse or debris of any description shall be removed to the satisfaction of the Development Authority by the Owner from the site or sites on which erection of building have taken place or from any adjoining land which may have been used for deposition of materials or debris.

31. Boundary wall or compound wall and compound gate. –

(1) Except with the special permission of the Development Authority, the maximum height of the compound wall shall not be 1.5 meter above the centre line of the Means of access. Compound wall up to 2.4 meter height may be permitted if the top 0.9 meter is of open type constructions.

Provided that the provisions of this sub-rule are not applicable to boundary walls of jails, electric substations, transformer stations, institutional buildings like sanatorium, hospitals, industrial buildings like workshops, factories, storage buildings, educational buildings like schools, colleges, including hostels, and other uses of public-utility undertakings.

Provided further that the height of the compound wall of the buildings mentioned hereinabove provision may be permitted upto 2.4 meters.

(2) For project, which requires 'No Objection Certificate' from the Directorate of the Fire and Emergency Service, the width and height of the access gates into the premises shall not be less than 4.5 meters and 5 meters respectively abutting means of access.



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Sub: Amendment of building rules for use of Solar Energy System in New Town, Kolkata.

As per order of the Hon'ble High Court in W.P. No. 23004(W) of 2009 and Minutes of 21st Meeting of New Town Kolkata Development Authority dated 08.10.2013 regarding amends of building rules in reference to Rule No.174 and Rule 168(14) of the West Bengal Municipal (Building) Rule 2007. In view of the order, it has been decided by the Competent Authority that:

1. Provision for use of solar energy in the form of solar heater and/ or solar photo cells shall be included in the Building Plan in case of any new building exceeding 15.5 m in height or expansion of any existing building causing height to exceed 15.5 m.
2. All existing and upcoming commercial and business establishments having more than 1.5 MW of contract demand will be required to install solar rooftop systems to meet at least 2% of their electrical load. Further, all the existing and upcoming schools and colleges, hospitals, large housing societies and Government establishments having a total contract demand of more than 500 KW will be required to install solar rooftop systems to meet at least 1.5% of their total electrical load.
3. It was also proposed to allow reduction of property tax to the tune of 10% (Maximum) of property tax for the buildings who will install Solar Energy units.

It has been resolved to approve the proposal in tune with the order of Hon'ble High Court, Kolkata. Applicants for sanction of Building Plan are requested to accommodate the above provisions before submitting the Building Plan.

By order

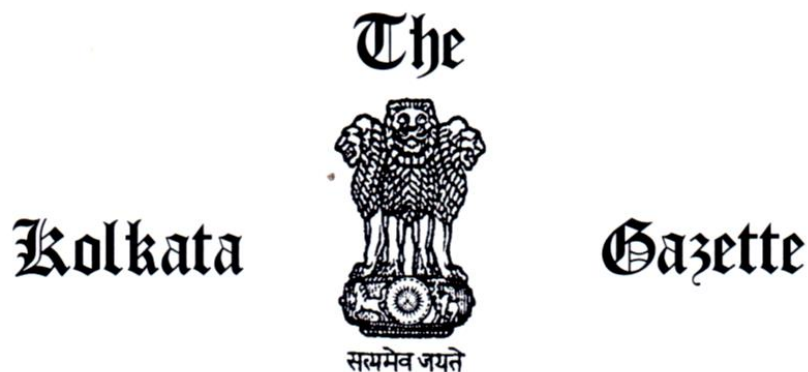
New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571
Fax : 033-2324-2147
Website : www.nkdamar.org

4.9. Buildings in Metro Rail corridor with higher FAR

Registered No. WB/SC-247

No. WB(Part-I)/2014/SAR-1054



Extraordinary
Published by Authority

AGRAHAYANA 28]

FRIDAY, DECEMBER 19, 2014

[SAKA 1936

PART I—Orders and Notifications by the Governor of West Bengal, the High Court, Government Treasury, etc.

GOVERNMENT OF WEST BENGAL

Urban Development Department
“NAGARAYAN”,
DF-8, Sector-I, Salt Lake,
Kolkata - 700 064

NOTIFICATION

No. 4150-UD/O/M/HID/41-3/2011 Dated, Kolkata, 18th December, 2014— In exercise of the powers conferred by section 159 read with section 65 of the New Town Kolkata Development Authority Act, 2007 (West Bengal Act XXX of 2007) (hereinafter referred to as the said Act), the Governor is hereby pleased to make, after previous publication as required under sub-section (1) of section 159 of the said Act, the following amendments in the New Town Kolkata (Building) rules, 2009 (hereinafter referred to as the said rules) :—

Amendments

In the said Rules:—

1) In Rule 21

After table IV the following provisions will be inserted—

Provided that some **incremental FAR** to buildings may be allowed over and above the FAR ordinarily allowable under existing rules in the following manner:

- a) **10% additional FAR** is to be allowed in cases of green buildings and certification of green buildings will be done by the designated authorities / agencies to be notified.
- b) **15% additional FAR** is to be granted in case of mass housing projects, hospitals, IT buildings, mega commercial projects etc., if there are adequate urban infrastructure and facilities available in the locality to cater to the enhanced civic demands.

-
- c) In order to encourage big residential complexes, old residential high-rise buildings, commercial malls, hospital & educational buildings etc. to provide additional parking facilities over and above the minimally prescribed parking spaces, the additionally provided parking space should not be counted as consumption of FAR.
- d) In areas within 500 meters on either side of the 'under construction Metro Corridor where construction work has actually begun' a maximum of **15% additional FAR** is to be allowed over the prescribed amount for properties abutting 15 meter to 24 meter wide roads and a maximum of **20% additional FAR** is to be allowed over the prescribed amount for properties abutting more than 24 meter wide roads.
- e) In no case the benefits as mentioned above in point nos. (a) to (d) shall be clubbed.

Provided further that:

- i) The grant of **additional FAR** must be in conformity with the LUDCP and must not contravene the norm for structural stability and or any norm of other regulatory authorities (e.g. Environment Department, Pollution Control Board, Fire & Emergency Services Authority, Airport Authority etc.).
- ii) The rate / fee / charge payable for the **additional FAR** should be decided in terms of "Lease Premium rates" of WBHIDCO Ltd.
- iii) **All incremental fees / charges** collected on account of grant of **additional FAR** will be payable to WBHIDCO Ltd. directly.

By order of the Governor,

DEBASHIS SEN,
*Principal Secretary to the Government of West Bengal
Urban Development Department.*

4.10. Copy of MoU with Future City Catapult, UK

**MEMORANDUM OF UNDERSTANDING
WITH REGARDS TO SMART CITY IN NEW TOWN KOLKATA**

THIS MEMORANDUM OF UNDERSTANDING ("MOU") is made on 27th July 2015

BETWEEN

FUTURE CITIES CATAPULT LIMITED with company number 08041915 whose registered office is at One Sekforde Street, London, EC1R 0BE ("the CATAPULT")

AND

WEST BENGAL HOUSING & INFRASTRUCTURE DEVELOPMENT CORPORATION with principal offices at Premises No.35-1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156 ("WBHIDCO").

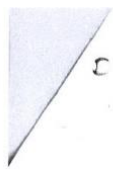
Collectively referred to as the "Parties".

RECITALS

- (A) WBHIDCO wish to ensure that New Town near Kolkata is a 'smart city'. It is hoped that this opportunity generates interest from international investors.
- (B) Based in London, the Catapult brings together industry, universities and city leaders so that they can work with each other to solve the problems that cities face, now and in the future. The Catapult helps them turn ingenious ideas into working prototypes that can be tested in real urban settings.
- (C) The Parties wish to work together to establish mutual benefits in creating an internationally high standard city that is technologically smart and meets the needs of its citizens.

1. SCOPE OF AGREEMENT

- 1.1 The Parties will enter into discussions to determine a scope for future working for the purposes of creating a strategy and plan of action.
- 1.2 The Parties agree to enter into initial discussions from which specific projects and activities may be established. These specific projects will be governed by separate contracts for services or collaborative agreements to be determined as part of the discussions.



2. PRINCIPLES OF WORKING

- 1.1 The Parties agree to adopt the following principles when carrying out the work necessary to achieve the stated objectives ("Principles"):
 - 1.1.1 Collaborate and co-operate.
 - 1.1.2 Be open. Communicate openly about (but not limited to) major concerns, issues or opportunities relating to the achievement of the initiative;
 - 1.1.3 Adopt a positive outlook. Behave in a realistic, positive and proactive manner;
 - 1.1.4 Adhere to statutory requirements and best practice.
 - 1.1.5 Act in good faith to support achievement of the key objectives and compliance with these Principles.

2. TERM AND TERMINATION

- 2.1 This MOU shall commence on the date of signature by both parties, and shall expire on 30 December 2015 unless terminated by either party with 30 calendar day's notice.

3. CHARGES AND LIABILITIES

- 3.1 Except as otherwise provided within this MOU the Parties shall each bear their own costs and expenses incurred under this MOU.
- 3.2 The Parties shall remain liable for any losses or liabilities incurred due to their own or their employee's actions and neither party intends that the other party shall be liable for any loss it suffers as a result of this MOU save for losses that it is responsible for under relevant legislation that are directly attributable to the actions of that party.

4. STATUS

- 4.1 Nothing in this MOU shall create, or be deemed to create, the relationship of principal and agent or employer and employees or a joint venture or partnership between the Parties.

5. GOVERNING LAW AND JURISDICTION

- 5.1 The Parties shall observe and comply with all applicable statutory enactments and requirements of statutory authorities for all relevant regulations, rules and instructions within the jurisdiction that they operate from for the time being in force.

6. OBLIGATIONS OF CONFIDENTIALITY AND NON-USE

- 6.1 In consideration of either Party disclosing or making available information to the other the Information, the recipient shall:
 - 6.1.1 keep the Information completely and strictly confidential and shall not disclose, reproduce, publish or distribute the whole or any part of the Information to any third party unless previously authorised in writing by the Party disclosing and subject to the provisions of this clause 7;
 - 6.1.2 not without the prior written permission of the Disclosing Party use Information disclosed to it under this MOU other than for the purpose agreed between the parties prior to disclosure;

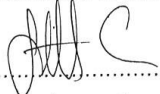
- 6.1.3 restrict access to the Information disclosed to it under the terms of this MOU to those of its staff (including employees, officers, consultants, contractors and other representatives) who need to know the same for the purpose agreed and not share the Information or acknowledge receipt of the fact they have received the Information externally;
- 6.1.4 treat the Information with the same degree of care and with sufficient protection from unauthorised disclosure as the recipient uses to maintain its own confidential or proprietary information; and
- 6.1.5 acknowledge that the recipient will ensure that its authorised staff, consultants, contractors and other representatives know, understand and guarantee to maintain the confidentiality and disclosure requirements outlined in this MOU.

7. ENTIRE UNDERSTANDING

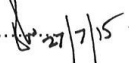
- 7.1 This Memorandum shall come into force upon its signature.
- 7.2 This MOU constitutes the entire understanding between the Parties relating to the subject matter of this MOU and, save as may be expressly referred to or referenced herein, supersedes all prior representations, writings, negotiations or understandings with respect hereto.
- 7.3 The Parties acknowledge that the breach of these terms may adversely affect the reputation of the Parties.
- 7.4 Either Participant may terminate this Memorandum at any time, but should provide sixty(60) days prior written notification to the other Participant. The Participants should endeavour to complete or continue specific activities then underway, if they so choose.

IN WITNESS WHEREOF the undersigned being duly authorised by the respective participants have signed the Memorandum at ~~London~~ on 27.7.15 in English in two originals.

Signed for and on behalf of the FUTURE CITIES CATAPULT

By: 
 Name: SCOTT CAIN
 Title: CHIEF BUSINESS OFFICER

Signed for and on behalf of the WBHIDCO

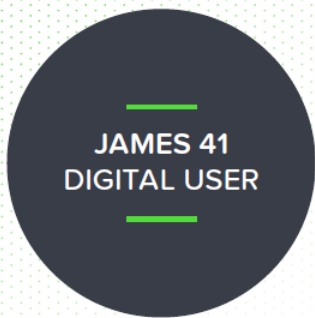
By: 
 Name: Debashis Sen
 Title: CMD, Hidco

SAMPLE DELIVERABLE FOR FCC

SAMPLE / HAND-HOLDING ORGANISATION



INTELLIGENT GOVERNMENT SERVICES THE ONE STOP SHOP



James is moving to Newtown with his family so he can open a new architecture business

The One Stop Shop is a simple interface where citizens, businesses and investors can access and share information in a single place.

Behind the virtual interface, Newtown's city services are integrated around a central database containing digitised, public information.

The One Stop Shop reduces inefficient administrative processes, provides a seamless user experience and helps attract inward investment.

JAMES OPENS THE ONE STOP SHOP APPLICATION ON HIS DEVICE



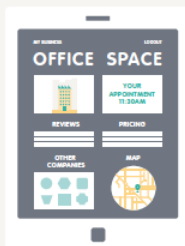
Citizens can access the online portal from their mobile device, or from a central place in the city, using a unique identification code.

HE CHECKS HIS MY BUSINESS NOTIFICATIONS



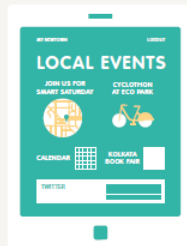
Personalised information is displayed on the status of building plan approvals and trade licenses.

HE SCANS AVAILABLE CO-WORKING SPACES AND BOOKS AN APPOINTMENT



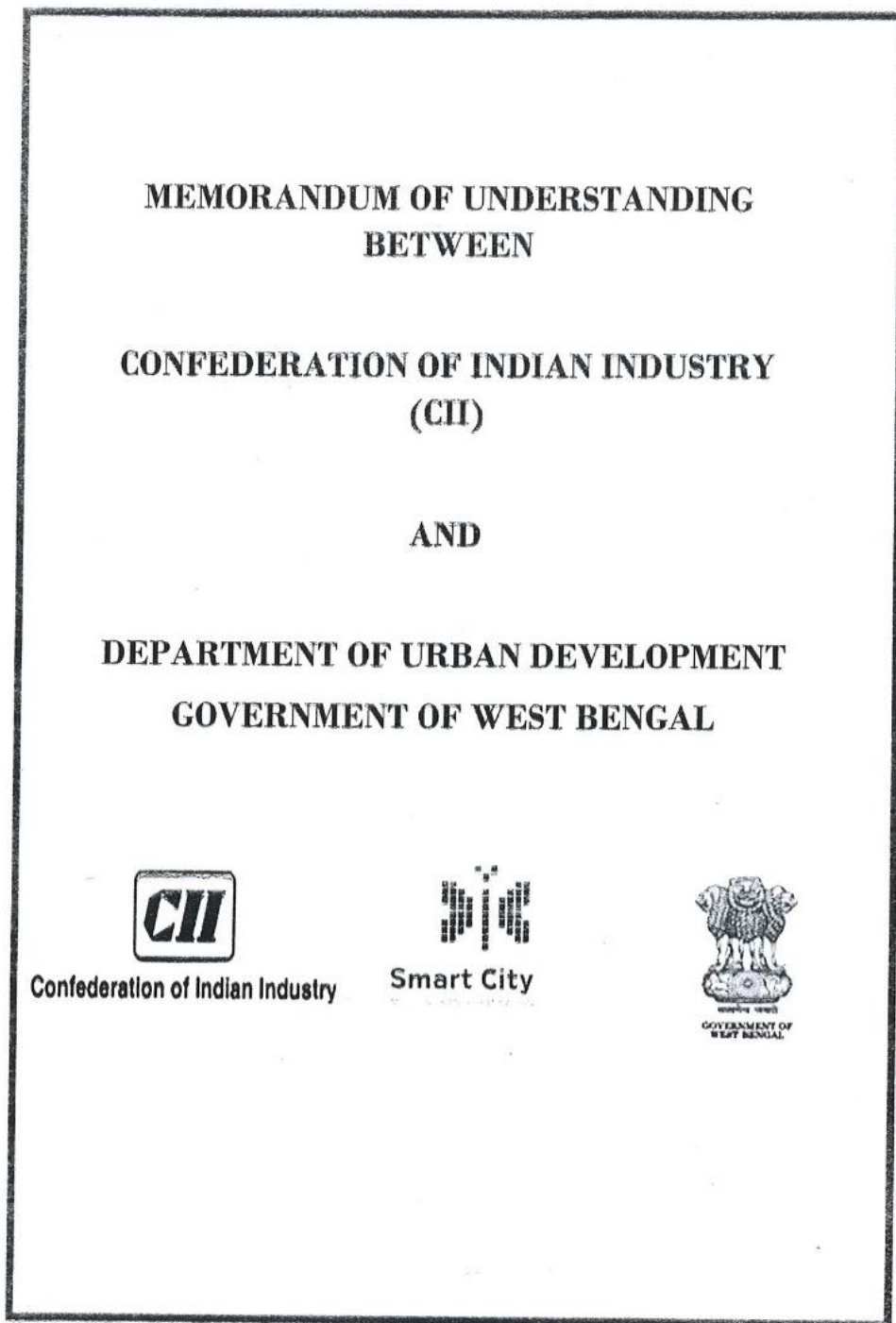
Interactive maps visualise vacant land and real estate for developers, investors and entrepreneurs.

JAMES AND HIS FAMILY MAKE PLANS FOR THE WEEKEND



Citizens can browse local activities and plan their journey in advance.

4.11. Copy of MoU with CII





Confederation of Indian Industry



MEMORANDUM OF UNDERSTANDING BETWEEN CONFEDERATION
OF INDIAN INDUSTRY (CII) AND GOVERNEMENT OF WEST BENGAL

This "non-binding" Memorandum of Understanding (MOU) is made in Kolkata, India on 14th day of October, 2015 between the undersigned:

CONFEDERATION OF INDIAN INDUSTRY(CII), having it's headquarter at The Mantosh Sondhi Centre 23, Institutional Area, Lodi Road, New Delhi ("CII", which expression will include its successors and permitted assigns, unless repugnant to the context or meaning), acting through **Dr. Saugat Mukherjee** ,**Regional Director - Eastern Region Confederation of Indian Industry**of the first part

And

Department of Urban Development, Government of West Bengal (hereinafter referred to as "**Department**" which expression will include its successors and permitted assigns, unless repugnant to the context or meaning) acting through **Mr. Sutanu Prasad Kar, Mission Director – Smart Cities Mission of West Bengal** of the second part.

CII and Department are hereinafter individually referred to as "Party" and collectively as "Parties", as the context may require.

Whereas,

1. The Government of India has envisaged "**Smart Cities Mission**" considering the need for an all-round, socio economic development of the country. The initiative intends to develop 100 cities and towns in the country as smart cities and is expected to generate a large number of opportunities for the industry in terms of deploying state of the art technologies, provision of value added and sustainable services, and, investment opportunities.



Confederation of Indian Industry



2. The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

3. CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has over 7400 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 100,000 enterprises from around 250 national and regional sectoral industry bodies. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

4. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

5. Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few.



Confederation of Indian Industry



6. In its 120th year of service to the nation, the CII theme of “Build India- Invest in Development, A Shared Responsibility”, reiterates Industry’s role and responsibility as a partner in national development. The focus is on four key enablers: Facilitating Growth and Competitiveness, Promoting Infrastructure Investments, Developing Human Capital, and Encouraging Social Development.

7. With 66 offices, including 9 Centres of Excellence, in India, and 8 overseas offices in Australia, Bahrain, China, Egypt, France, Singapore, UK, and USA, as well as institutional partnerships with 312 counterpart organizations in 106 countries, CII serves as a reference point for Indian industry and the international business community.

8. CII has constituted a committee on Smart Cities to undertake the following:

(i) Policy Advisory: recommend changes to the existing policy framework required to enable development of identified cities as “smart cities”;

(ii) Pilot Projects: identification of pilot projects/ showcase projects/ developmental projects to enable the creation of the necessary infrastructure including any

Upgradation and renovation of existing facilities so as to provide smart city capabilities and services to the residents of the identified cities;

(iii) Project Advisory and Implementation: to advise on all aspects of implementation of identified projects (hereinafter collectively referred to as “**Scope of Services**”) as an initiative to enable the implementation of the “smart city” initiative of the Government of India.

CII National Mission on Smart Cities strives to tie up with firms across the globe and offer proven smart urban solutions to Indian Cities. Going ahead, the Mission has also signed MoUs with Four (4) Country Consortiums, namely – German (led by Siemens), US (led by Cisco), Indian (led by Essel)



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and Japanese (led by Hitachi). We have finalized such arrangement with Spain as well.

Objective our partnership is to render the full range of services as an integrated package, as no single entity would have capability across the entire spectrum. Further the Mission believes that procurement policies should be based on Project Life Cycle Costs and Quality & Cost Based Selection (QCBS).

We at the CII National Mission on Smart Cities sincerely believe that while these concepts may not exist in the country right now, they are imminent if we have to achieve sustainable & futuristic urbanization as proposed under the SCM.

9. The State of West Bengal, which spreads across an approx area of **88,752 Sq.kms**, and has a population of **91,276,115** (as per 2011 census). West Bengal is gradually emerging as a prominent location for Urbanisation.

10. However, the State of West Bengal is facing the following urban challenges. Some of them are:

1. Urban mobility
2. Creation of new habitats
3. Creation of employment opportunities.

11. CII is desirous of associating and collaborating with the State of West Bengal to provide support in meeting its urban challenges, some of which are illustrated above, and developing identified cities in West Bengal as smart cities through mobilization of the industry expertise and resources.

NOW THEREFORE, in consideration of the mutual promises and covenants contained herein, the Parties agree as follows:

1. Purpose:

The Parties are entering into this MOU to record the terms and conditions on which CII will provide the Scope of Services to the Department for the development of cities identified under SCM as "Smart Cities".



2. Responsibilities:

2.1 CII's Responsibilities:

CII hereby agrees that it will undertake, either itself or through one or more of the committee members, reasonable endeavours to provide the Scope of Services in accordance with and to the extent requested by the Department with the objective of developing identified cities as "smart cities", which will also include the following:

2.1.1 CII will jointly work with Department and all other stakeholders such as industry experts, civil society and other stakeholders to develop vision, goals & strategies for identified Cities as Smart Cities and thereafter support implementation of the same.

2.1.2 CII, through its committee members, will work in collaboration with the Department in sectors illustrated in para-5 above and in areas like:

- 1. Think tank and Leadership participation from Industry in Consultative Stakeholder participation for creation of Smart City**
- 2. Inclusion of Citizen Groups like Young Indians and Corporate Members and Non Members in participating in this movement**
- 3. Suggesting Financial plans for various sectors & creation of innovative sources of the Municipal Finance**
- 4. Inviting Stakeholders (Indian and Multi-national Service providers) once the terms of reference are clear to define Scope of work**
- 5. Facilitation of overall Project and realisation including Stakeholder Surveys on Satisfaction Index and engagement with the Steering Committee on the same**



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6. Associate with media partners and communicate the success of the Smart City movement

7. Project based support for projects in areas like:

- I. Transport
- II. Solid Waste Management
- III. Water Supply
- IV. Housing
- V. Sewerage
- VI. Health
- VII. Education
- VIII. Storm Water Drainage

8. Capacity building to plan, design and execute projects efficiently

9. Workshop to identify the challenges and solutions

10.CII in association with the Department will mobilize the private and public sector industry expertise to share the smart city vision in identified cities under SCM through campaigning and national/international conferences, thereby promoting identified cities as smart cities.

11.CII in association with the Department will align the interest of industry members with those of the government and also will provide technology support to the identified Smart Cities through the CII smart city committee.

12.CII will assist the Department through required consultation and advisory inputs on policy advocacy relevant to the development of the identified cities under the smart cities initiative.

13.CII will also assist the Department through the process of "City Challenge" competition and thereby support the city to get designated as a smart city.

2.2 Department's Responsibilities:

2.2.1 Department will appoint a nodal officer who will be the contact point for the interaction with the Department and will also be responsible for the smart city initiative.



Confederation of Indian Industry



2.2.2 Department will allow Cii to conduct smart city workshops/ Conferences/ Conclaves as and when required to promote West Bengal as an Investment destination.

2.2.3 The nodal officer and the consultants appointed by the Department will work jointly with Cii to drive the smart city initiative for West Bengal.

3. Terms and Termination:

Both the Parties may terminate this MoU at any time by notice with immediate effect if it reasonably believes that its performance, or any aspect of it, results, or might breach any legal, regulatory, ethical or audit independence requirement in the jurisdiction, or for any other reason.

4. Other Terms:

4.1 Sharing of Information:

As may be appropriate from time to time, each Party may share information with the other on a regular basis regarding the arrangement under this MoU. Both the parties will be solely and entirely responsible for any third party information or materials, that they will share with each other, with regards to its requisite rights, authorizations or agreements, in place, enabling accessibility and usage of such information.

4.2 Confidentiality:

The Parties agree and acknowledge that sensitive information and confidential data will be exchanged between the Parties pursuant to this MoU. Such data will be marked confidential ("Confidential Information"). Each Party agrees that it will maintain confidentiality of the Confidential Information disclosed to it by the other Party under this MoU and will ensure that this clause is strictly adhered to by its officers, employees, agents, consultants and representatives. In case of expiry or termination of this MoU, each party will promptly return all confidential information, to the disclosing Party upon request after expiry/ termination of this MoU.



Confederation of Indian Industry



4.3 Expense:
Unless otherwise specifically agreed to in writing by the Parties for implementing the Scope of Services, each Party will bear the respective costs of carrying out the obligations under this MOU.

4.4 Counterparts:

The Memorandum of Understanding (MOU) may be signed in any number of counterparts, all of which taken together will constitute one and the same instrument. CII and the Department may enter into the Memorandum of Understanding (MOU) by signing any such counterpart and each counterpart may be signed, executed and transmitted by facsimile transmission and will be as valid and effectual as if executed as an original.

4.5 Entire Agreement:

This MoU contains the entire understanding between the Parties hereto and supersedes all prior arrangements, understandings and agreements, written or oral, on the subject hereof. Any part of this MoU which is not enforceable due to any reason whatsoever will be deemed to be inoperative and the rest of the MoU will continue to be valid and binding on the Parties hereto.

4.6 Representation:

Each Party hereby represents to the other that it has all necessary power and authority to execute and deliver this MOU.

4.7 Cooperation:

CII and State of West Bengal acknowledge that they have entered into the Memorandum of Understanding (MoU) in good faith and will cooperate in good faith to achieve the objectives set herein.

4.8 Relaxation:

This MoU does not bar the Department to enter into other MoUs with other Confederations / Chambers / Associations on the subject of Smart Cities and



Confederation of Indian Industry



similarly does not bar CII from signing similar MoUs with other State Governments or Government Agencies.

In witness whereof, the undersigned Parties have executed this MoU as of the date indicated above:

On Behalf of

Confederation of Indian Industry (CII)

By: The Regional Director - Eastern Region Confederation of Indian Industry

Regional Director
Confederation of Indian Industry
Eastern Region

Name: Dr. Saugat Mukherjee

Title:

Date: 14/10/15

On Behalf of

State of West Bengal

By: The Mission Director - Smart Cities Mission of West Bengal

S.P. KAR, I.A.S
State Mission Director
Smart City Mission
Urban Development Department
Government of West Bengal

Name: Mr. Sutanu Prasad Kar

Title:

Date: 14/10/15

4.12. Office Order (OO) for Wi-Fi on MAR-




CS/BM-MTS/81/2014

Date : 23/06/2014

A Copy of the Minutes of the proceedings of the 81st Meeting of the Board of Directors of WB HIDCO Ltd. held on Saturday, 14th June, 2014 is forwarded herewith for your attention with a request for taking necessary action and compliance of the relevant portion(s) of the resolution as indicated in the body of the Minutes. The Compliance Report needs to be submitted in the next Board Meeting for which please **keep the Company Secretary duly informed for bringing the facts to the knowledge of the Board in its next Meeting.**

Thanks & regards,


(R. Ghosh)
Company Secretary

Forwarded to:

- i) Director (Engineering)
- ii) JMD (Administration)
- iii) Chief Planner
- iv) Chief Engineer (Civil)
- v) Chief Engineer (Elec.)
- vi) Chief Finance Officer
- vii) General Manager (Commercial)
- viii) General Manager (Marketing)
- ix) Addl. General Manager (Administration)

CC : Chairman-Cum-Managing Director -- for your information only.

Encl. as stated.

Meeting, Board Meeting

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(A Govt. of West Bengal Undertaking)

"HIDCO BHABAN", Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata - 700135
Telephone : (033) 2324-6037/6038, Fax No. : (033) 2324-3016/6000

28. **Proposal for implementation of WiFi Network along the Main Traffic Corridor from Haldiram City Centre II through MAR IIII New Town, Nabadiganta upto Chingrighata with hot spot at Eco Island at Eco Park (Open Air Theatre)**

Chairman informed that West Bengal at present has become a major destination for IT&ITEs Companies due to favourable infrastructure and professionally skilled manpower availability in large number and also for related cost advantage. With active State Govt. support, New Town, Rajarhat, Salt Lake Sector-V have emerged as the IT Hub of the State and to elevate the status of additional infrastructural developments, the next higher platform is to make New Town Kolkata a truly smart city and as a first step, HIDCO alongwith NDITA as desired by Hon'ble MIC (UD) and Chairman, NDITA, proposes to offer WiFi connectivity along the main traffic Corridor from Airport to IT Hub of New Town Rajarhat & Salt Lake Sector-V through EM Bye Pass ultimately to Nabanna with several hotspots in between covering a distance of more than 35 Kms.

He added that the first phase will cover 16.5 Kms. Corridor from VIP Road, Haldiram Bridge, City Centre II through MAR 1111 to Technopolis and from Nicco Park to Chingrighata at EM Bypass alongwith hotspots at Eco Island and at Eco-Park at the Open Air Theatre beside Children's Park. This system of WiFi Network will benefit not only a large number of people working in New Town, Sector V, but also to anybody/visitors travelling through this road and utilize the transit time by availing of high speed Internet connectivity with the proposed WiFi infrastructure throughout this Corridor.

HIDCO would like to execute the entire system through its subsidiary company, i.e. New Town Telecom Infrastructure Dev. Co. Ltd. (NTTIDCO Ltd.) and that cost of the first phase of the project is estimated at Rs.9.89 crores including 3 years' O&M and be implemented with CISCO equipment and two hours in-built battery back-up for outdoor equipment. It is also estimated that if a fee of Rs.40/- per hour is imposed after initial free internet connection for half an hour and that in the process if 2.39% of total net connectivity hours be used as paid net hours compared to the total available net connectivity hours of use, the project is likely to become viable and that with implementation of this project the status of New Town Kolkata as well as the State of West Bengal will highly be technologically advanced state in the country keeping in mind that this state is the focal point of Eastern India.

He also added that as this project shall be enjoyed/beneficial to the potential visitors and the people having establishments along the street within WBHIDCO and Nabadiganta Industrial Township area, proposal is being made for consideration of proportionate cost sharing as may be negotiated/formulated and mutually be agreed upon between HIDCO & NDITA.

Accordingly, after a brief discussion the following Resolution was passed:-

"Resolved that, with the background of advent of technology and West Bengal emerging as a destination of IT&ITEs Co. for infrastructural advantage and availability of professionally skilled manpower, approval be and is hereby accorded to implementation of WiFi Network System along the MAR-1111 Corridor from Haldiram Bridge upto Chingrighata as green Corridor of about 16.5 Km. including 5.5 Km. road in NDITA jurisdiction and hotspots zones in Eco-Island and at Open Air Theatre beside Children's

park etc. at Eco-Park to be executed by NTTIDCO Ltd. (a subsidiary company of HIDCO) as a depository work with CISCO Equipment and two hours in-built battery back-up for outdoor equipment and that such Green WiFi Sarani alongwith 16.5 Km. stretch at a budgetary cost estimate of Rs.9.89 crores with 3 years' O&M subject to appropriate cost towards marketing and that such total cost be proportionately borne by HIDCO and Nabadiganta Industrial Dev. Authority as may be negotiated/formulated and mutually be agreed upon and that a fee at Rs.40/- per hour or as may be decided subsequently based on market condition be imposed after initial free internet connection for half an hour to the potential users of such facility.

It was also resolved that CMD be and is hereby authorized to do all such other acts and things as he may deem fit and appropriate in this respect." *Action by: CE (Bldg.)*

29. Proposed Solar Dome at Eco Park in New Town

Chairman informed that as decided by the Competent Authority of the Govt. of West Bengal, WBSEDCL intends to develop an Iconic land mark Solar Dome in the Eco Park at New Town with the assistance of WBHIDCO and research has revealed that such a Solar Dome structure with Solar Panels has not been built in India and also rare in global scenario, preliminary estimate can not be prepared, although some type of geodesic Domes are visible in South East Asia and mostly in the Countries with a colder climate and that this Solar Dome shall create a land mark structure in Eco-park utilizing a combination of innovative systems to harvest solar energy with the process of integration of Solar Modules on the surface of the Dome which would be about 50 Mtr. in diameter with a height of around 100 ft. and be visible from a distance and would also serve as a renewable energy sign post in the Eco park to create public awareness in solar energy and that the Dome may contain large Marine Fish Aquariums and the interior Dome lighting can be done as in planetariums. This Solar Dome project if implemented can also become a national and international tourist attraction and that as per estimate of WBSEDCL a fund of Rs.50 lakhs is initially required for inviting a request for proposal from the Consultancy Firms for providing comprehensive Consultancy Services for planning, design and detail engineering including landscape design and project management services for the Solar Dome in International Competitive Bidding format.

Accordingly, after a brief discussion the following Resolution was approved:-

"Resolved that, in view of the approval in-principle by Govt. of West Bengal and as per proposal made by WBSEDCL, approval be and is hereby accorded for setting-up of a Solar Dome at Eco park in New Town so as to create a landmark structure in Eco park having about 50 Mtr. in diameter with a height of around 100 ft. and be visible from a distance and would also serve as a renewable energy sign post and also for creating public awareness in solar energy and for the purpose a fund of Rs.50 lakhs be also approved for inviting a request for proposal from the Consultancy Firms for providing comprehensive consultancy services for planning, design and detail engineering including landscape design and project management services for the Solar Dome in International Competitive Bidding format as detailed in the Board Note and its Annexures.

It was also resolved that CMD be and is hereby authorized to do all such other acts and things as he may deem fit and appropriate in this regard." *Action by: BD (Engrg.)*



No. 947/FJHIDCO / ED(E)/05(P-18)

ORDER

Administrative Approval and Financial Sanction are here by accorded for an amount of Rs 522.00 Lakh (Rupees Five Hundred Twenty-two Lakh) only for the works stated below. Sallient features of the works are being furnished here under.

"Implementation of Wi-Fi Net Working along the Main Traffic Corridor from Haldiram City Centre-II through MAR-1111 upto Kestpur Canal Bridge at New Town Kolkata."

1. Location : From Haldiram City Centre-II through MAR-1111 upto Kestpur Canal Bridge at New Town Kolkata
2. Purpose : Wi-Fi connectivity along the main traffic corridor of New Town Kolkata.
3. Period of Work : N.A
4. Approval of the Works Committee : N.A
5. Technical Approval : Technically Approved by the Chief Engineer (Electrical), WBHIDCO Ltd.
6. Approval of the Board : Approved in the 81st Meeting of the Board of Directors, WBHIDCO Ltd. held on 14.06.2014 vide Agenda Item No. 28
7. Preparation and Submission of Estimate : Estimate prepared by New Town Telecom Infrastructure Development Co. Ltd (NTTIDCO) and submitted by the Chief Engineer (Electrical), WBHIDCO Ltd.
8. Major Provision : 1st Phase of the Project will cover approximately 10.5 Km of MAR (Street No. 1111) Including Eco-Tourism Park of New Town. Provision has been made to supply and installation of Wi-Fi Access Point with Switches and other related accessories, CISCO Equipment and two hours in-built battery back-up for out door equipment , Hard wares and Soft Wares, SMS Gate way system, power supply for equipment, cables, out door enclosure with cost of construction of Control Room and its equipment and annual Leased Line Charges and SMS Gate way with one year Operation & Maintenance and Management Cost.
9. Execution of the work : New Town Telecom Infrastructure Development Company Ltd (NTTIDCO)
10. Source of Fund : WBHIDCO Fund (DEPOSITE WORK)
11. Chargeable Head : Adv. to NTTIDCO (Wi-Fi Connectivity)

This order is Issued with the approval of the Competent Authority of WBHIDCO Ltd.

(Signature)
 o/c (Ananda Ganguly)
 Executive Director (Engg)
 WBHIDCO Ltd.

Date: 27.06.2014

No. 947/1/HIDCO/ED(E)/05(P-18)

Copy forwarded for information and necessary action to the Chief Executive Officer, New Town Telecom Infrastructure Development Company Ltd. (NTTIDCO)

(Signature)
 o/c (Harendra Nath Saha)
 Senior Technical Assistant to
 Executive Director (Engg)
 WBHIDCO Ltd.

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
 (A Govt. of West Bengal Undertaking)

"HIDCO BHABAN", Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156

4.13. OO for m-governance system



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No. 3859 /NKDA/ Admn- 172/2011

Dated: 03/10/2013

To
Data Flow System,
19/1, Radhanath Banerjee Lane
Bally, Howrah- 711 201

Sub: Acceptance-cum- Work Order - Introducing Mobile based grievance Management System with the existing official website of NKDA.

Ref: Your Memo No. nil dated 01/10/2013

Dear Sir,

In connection with the letter under reference on the subject stated above, this is to inform you that your lowest rate amounting to **Rs. 97,650.00 (Rupees Ninety Seven Thousand Six Hundred Fifty Only)** has been accepted in respect of NIQ issued under Memo No. 3658/NKDA/Admn-172/2011 dated 24/09/2013 by New Town Kolkata Development Authority.

The offered value is inclusive of all charges as per terms, conditions and provision of the NIQ and scope of work etc.

The Security Deposit @ 10% will be deducted from the bill and it will release after satisfactory completion of 01(one) year maintenance of the application.

Yours faithfully,

Chief Executive Officer
New Town Kolkata Development Authority

Memo No. 3859/1 (2)/NKDA/ Admn- 172/2011

Dated: 03/10/2013

Copy forwarded for information and necessary action to:

1. The Finance Officer, NKDA
2. PA to Chairman, NKDA

Administrative Officer
New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org



No. 2726/HIDCO-Admn-3027/2015

Date : 26.08.2015

To
M/s INDUS NET TECHNOLOGIES PVT. LTD. (CIN :: U72100WB2007PTC115875)
 # 532 Module, SDF Building, 4th Floor, Salt Lake City, Kolkata - 700 091
 Ph.: 033-2357 6070 e-mail: info@indusnet.co.in

Sub: Work order for DESIGN, IMPLEMENTATION & MAINTANANCE OF WEB-BASED MOBILE APPLICATION FOR WBHIDCO LTD & ITS RELATED PROJECTS
Ref : Your Quotation - Date :: 22.08.2015 against RFP vide Memo No. : 2549/HIDCO-Admn-3027/2015 Dated: 08.08.2015.

Sir,

Your proposal for DESIGN ,IMPLEMENTATION & MAINTANANCE OF WEB-BASED MOBILE APPLICATION FOR WBHIDCO LTD. AND ITS RELATED PROJECTS, dated 22.08.2015 has been accepted by the competent authority of WBHIDCO Ltd. on following Terms & Conditions ::

- Total charges of **Rs 5,14,938.00/-** (Rupees Five Lakh Fourteen thousand Nine hundred Thirty Eight) only inclusive of all costs, taxes & levies for DESIGN, IMPLEMENTATION & MAINTANANCE OF WEB-BASED MOBILE APPLICATION FOR WBHIDCO LTD. AND ITS RELATED PROJECTS in Android, iOS & Windows platform. This amount is valid for whole period of the contract for the work as specified in 'Annexure I' with this work order.
- You shall take up the work within 1 (One) day from the date of receipt of this Work Order under intimation to the System Manager, WBHIDCO Ltd. The date of receipt of this Work Order will be considered as date of actual commencement of work at WBHIDCO Ltd. and will be taken as the start date (Day 0) of the project.
- M/s. INDUS NET TECHNOLOGIES PVT. LTD. will be required to deposit 10% of the contract amount i.e. Rs. 51,493.80 (Rupees Fifty One Thousand Four Hundred Ninety Three and Eighty Paise) only with the Customer/WBHIDCO Ltd. as Security Deposit including Performance Guarantee where Bid Security of Rs. 10,000/- (Rupees Ten Thousand) only in the form of Bank Draft is already submitted with the bid, shall be converted into part of Security Deposit and rest amount of Rs. 41,493.80 (Rupees Forty One Thousand Four Hundred Ninety Three and Eighty Paise) only need to be submitted within a period of 20 days from the date of issue of Work Order. Refund of Security Deposit shall only be made after successful completion of work including completion of service period as indicated in the RFP.
- The following Indicative Outputs (Milestones), Time Schedule and Payment Milestones system will be followed for this contract. These payments would be made based upon the satisfactory completion of all the milestones (mentioned above) relevant for that period signed by the competent authority of WBHIDCO Ltd. and presentation of bills.

SL.N	Milestone	Timeline	Payment Terms	Amount (in Rs.)
1	Date of issue of Work Order			
2	Acceptance of 1st phase- Target date 15th September 2015	WO+1 day= T		
2.1	Locate Address :- Locate hospital, Police station, Grocery shop, Bill payment area/building, Malls, Hotels etc along with driving direction.	T + 20 Days	25%	1,28,734.50/
2.2	Ekante Suite:- Basic Details, which includes Overview, Gallery.			
2.3	Places of Interest:- Point of interest's overview, gallery, locations in MAP.			
2.4	Digital Library:- Information on Digital Library, list of book availability.			
2.5	Events:- List of the Current & Upcoming Events. Event details, location etc			
2.6	Profile Management:- Users complete profile details.			
2.7	Bus Schedule:- List of the routes available.			
2.8	Feedback Zone (My Feedback & My Idea):- My Feedback (Form posting).			
3	Acceptance of 2nd phase-Target date 15th October 2015			
3.1	Locate Address :- Search new address street etc (either with Google Map/ GIS MAP integration)	T + 50 Days	25%	1,28,734.50/
3.2	Ekante Suite:- Locations, driving direction.			
3.3	Places of Interest:- Video Tour (wherever applicable), Audio tour, Schedule, Ticket Price.			
3.4	Digital Library:- Place purchase order			
3.5	Audio Tours (New Town & Eco Park):- Module, first phase of Audio tour of Eco Park			
3.6	My Reservation:- Details of user's reservation & booking history.			
3.7	Offers & Promotions:- Listing of all offers & promotion details			
3.8	Bus Schedule:- Time table of each & every bus routes.			
3.9	Feedback Zone (My Feedback & My Idea):- My Idea (Form posting).			

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
 (A Govt. of West Bengal Undertaking)

"HIDCO BHABAN", Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156
 Telephone : (033) 2324 6037/6038, Fax No. : (033) 2324-3016/6009, e-mail : housing@cal2.vsnl.net.in / wbhidcoltd@gmail.com.
 Website : www.wbhidcoltd.com



4 Acceptance of 3 rd phase- Target date - 5 th November 2015		Timeline	Payment Terms	Amount (in Rs.)
4.1	Ekante Suite:- Booking Café & Cottage with payment gateway integration	T + 70 Days	25%	1,28,734.50/-
4.2	Events:- Pricing, redirection to book my show for cinema ticket purchase.			
4.3	Audio Tours (New Town & Eco Park):- Complete Audio tour of New town 7 Eco Park			
5 Final Solution Acceptance				
5.1	Finalizing Access Control	T + 90 days = F	20%	1,02,987.60/-
5.2	Final Acceptance			
6 Change Management & Training				
6.1	Change Management Strategy	T + 90 days = F	NIL	NIL
6.2	Implementation			
6.3	Training Needs Assessment			
6.4	Training Plan			
6.5	Training and user manuals			
7 Post Implementation				
7.1	The final acceptance of the complete system in production environment	T + 90 days = F	NIL	
7.2	On expiry of first 12 Months of Warranty period from the date of final acceptance	F + 12 Months	5%	25,746.90/-
TOTAL			100 %	5,14,938.00

The contract price as mentioned above includes the charges for all design, implementation, maintenance & support for the same including 1 (one) year / 12 (twelve) months free of cost.

No other charges in any other form will be borne by us for this work except in special circumstances to be mutually agreed upon subject to maximum 5% of the contract amount, i.e. Rs. 25,746.90/- (Rupees Twenty Five Thousand Seven Hundred Forty Six and Ninety Paise) only.

The RFP vide Memo No.: 2549/HIDCO-Admn-3027/2015 Dated: 08.08.2015 shall be deemed to form and be read as an integrated part of the Work Order, a copy of which is enclosed and marked as "Annexure I".

This issues with the approval of the competent authority.

Yours faithfully,

System Manager (IT), WBIDCO Ltd.

No. 2726/1(5)/HIDCO-Admn-3027/2015

Date : 26.08.2015

Copy forwarded for kind information to :

- 1) The Joint Managing Director, WBIDCO LTD - 26/8/15
- 2) The Chief Finance Officer, WBIDCO LTD - 26/8/15
- 3) The Chief Engineer (Electrical), WBIDCO LTD - 26/8/15
- 4) The General Manager (Admin.), WBIDCO LTD - 26/8/15
- 5) The TS & OSD to Chairman, WBIDCO LTD - 26/8/15

Handwritten notes:
4/9/15
26/8/15

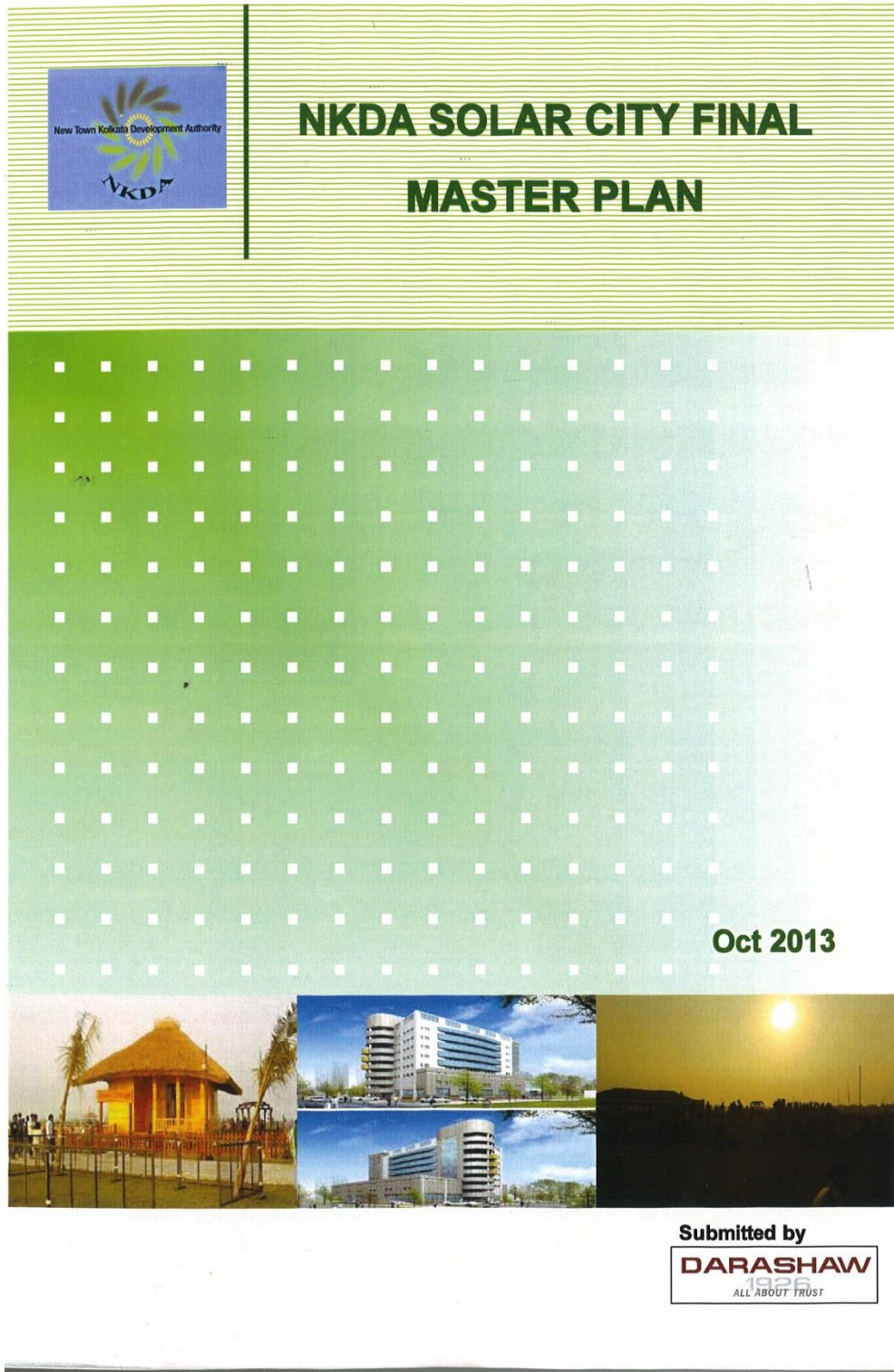
System Manager (IT), WBIDCO Ltd.

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(A Govt. of West Bengal Undertaking)

"HIDCO BHABAN", Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156
Telephone : (033) 2324-6037/6038, Fax No. : (033) 2324-3016/6009, e-mail : housing@cal2.vsnl.net.in / wbhidcoltd@gmail.com.
Website : www.wbidcoltd.com
CIN : 1170101WB1999SGC089276

4.14. MNRE GO approving New Town Kolkata as a Solar City and snippets of the Solar City DPR

Refer to the website http://mnre.gov.in/file-manager/UserFiles/Master-Plan-Solar-City/New-Town-Kolkata_solar_city_master_plan.pdf for the full version of the DPR



DEBASHIS SEN, IAS
PRINCIPAL SECRETARY



URBAN DEVELOPMENT DEPARTMENT
GOVERNMENT OF WEST BENGAL

'NAGARAYAN', DF-8, SECTOR-I
SALT LAKE, KOLKATA-700 054
Telephone No : 2334-9394
Fax No 2334-7880
e-mail : psecy-ud-wb@nic.in

D. O. No. 674-SUD.....

Kolkata, the 11th Sept 2013.....

The Secretary
Ministry of New and Renewable Energy
CGO Complex, Lodi Road,
New Delhi - 110003

Dear Sir,

We are grateful to MNRE, Govt. of India for sanctioning Solar City Project to New Town, Kolkata. You might be aware that New Town is a unique city coming up in the Country an eco-friendly concept. New Town will have a green economy zone with only non polluting Industries. Out of a total area of 3075 Hectares, 860 Hectares has been kept reserved for open spaces, green zones and water bodies.

We have already proposed that our buildings will be better insulated, and lit up with natural lighting and a considerable energy demand will be covered by renewable sources. However, it is essential to ensure that our green energy initiatives remain affordable for everyone. We strongly believe that New Town Kolkata will become a very special Solar City due to its very special character.

Under such circumstances, I would request you to kindly consider New Town Solar City Project as a very special one and declare the same as a "Model Solar City". I would further request you to pay a visit to New Town and see our various green initiatives.

Regards,

Yours sincerely,

Principal Secretary,
Urban Development Department,
Govt. of West Bengal,
&

Chairman, New Town Kolkata Development Authority



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: 3561/NKDA/Admn-186/2011(part)

Date: 17/09/2013

To
The Secretary
Ministry of New and Renewable Energy
CGO Complex, Lodi Road,
New Delhi – 110003

Ref No: 1) G.O No. 5/32/2011-12/ST dated 08.02.2012 of Ministry of New and Renewable energy
(MNRE), Govt. of India.

2) D.O No. 674-S/UD dated 11.09.2013 of Urban Development Authority, Govt. of West Bengal.

Sub: Commitment about the funds to be provided by New Town Kolkata Development Authority (NKDA)
under Model Solar City Programme.

Dear Sir,

With reference to the above mentioned D.O. Letter by Principal Secretary, Urban Development Department, Govt. of West Bengal, I am directed to convey the commitment of this Authority to provide fund, upto Rs 10 crores (Rupees Ten crores only) for this project, under "Model Solar City Programme" as per application from in Annexure IV.

Under such circumstances, I would request you to kindly consider New Town Solar City project same as a "Model Solar City".

Regards,

Yours sincerely,

Chief Executive Officer

New Town Kolkata Development Authority

Memo No: 3561/1(6)/NKDA/Admn-186/2011(part)

Date: 17/09/2013

Copy forwarded for information and necessary action to:

1. Principal Secretary, Urban Development Department, Govt. of West Bengal.
2. Dr. Arun K. Tripathi, Director, Ministry of New and Renewable Energy, Block-14, CGO Complex, Lodhi Road, New Delhi-110003, India
3. The Director, West Bengal Renewable Energy Development Agency, Bikalpa Shakti Bhavan, Salt Lake, Kolkata-700091
4. Chief Engineer, New Town Kolkata Development Authority.
5. Finance Officer, New Town Kolkata Development Authority.
6. PA to Chairman, New Town Kolkata Development Authority.

Chief Executive Officer

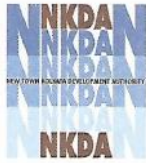
New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org

4.15. GO / OO confirming that New Town will be covered under Digital India Program



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No - 6996/NKDA/Admn-443/2015

21.08.12.2015

To,

Sri Sanjay Sharma,

Under Secretary to the Govt of India

Ministry of Urban Development.

Nirman Bhawan, New Delhi

Sub: **Office Memo No K-15016/5/SC-2015, dated 26/11/15, bearing subject "Design and Development of Systems and solutions for Smart Cities using Internet of Things(IOT) ".**

Sir,

Apropos the subject mentioned above I am to inform that New Town Kolkata has planned a number of initiatives related to "Internet of Things" as part of the Smart City Plan of New Town in the areas of Smart Mobility, Smart Electricity, Smart Environment and Smart Citizen. In line with convergence initiative as specified in the Smart City Mission, New Town Kolkata is keen to partner with DeitY/ CDAC and be part of the project titled "Design and Development of Systems and Solutions for Smart Cities using Internet of Things (IOT)" to be implemented by C-DAC.

The details of the projects will shortly be sent for further deliberations and additions/modifications.

This is for your kind information and necessary action.

Thanking you,

Yours truly

Handwritten signature of Debapriya Bhowmik in blue ink.

Chief Executive Officer
NKDA

Memorandum of Understanding between New Town Kolkata Development Authority and WEBEL for implementation of Smart City Plan in New Town Kolkata in collaboration with each other

Whereas Government of India has selected ninety eight number of cities as Smart Cities under the Smart Cities mission

And

Whereas New Town, Kolkata is one of these ninety eight cities earmarked as Smart Cities under the above mentioned mission and based on the inputs received from an extensive citizen interaction process, a Smart City Plan has also been prepared fine lining the Pan City solutions and area based smart interventions including the area for the city

And

Whereas, New Town Kolkata Development Authority (NKDA) constituted under The New Town Kolkata Development Authority Act, 2007 (The West Bengal Act XXX of 2007) for rendering various civic services and amenities within the city, is the implementing authority of this plan

And

Whereas Webel, headquartered in Kolkata, was incorporated in 1974 and is the nodal agency of the Government of West Bengal for developing Information Technology, Electronics and ITES industries in the State Bengal

And

Whereas a close convergence is necessary between Various parastatal bodies to implement the Smart City plan

Therefore

Today on 07/12/15, New Town Kolkata Development Authority, Represented by its Chief Executive Officer and WEBEL represented by its Managing Director reach the following understanding that:

1. Webel will Collaborate with NKDA to implement the IT related components of the Smart City Plan (SCP) of New Town Kolkata including the applicable area based and pan city solutions
2. Webel will be part of the Special Purpose Vehicle (SPV) which will be operationalized for implementing the Smart City Plan of New Town Kolkata
3. Webel will nominate one senior official as the Board member of the SPV.
4. Webel will support planning, implementing, managing and operating smart city projects especially the software and IT infrastructure related components
5. Webel will provide all assistance as the dedicated IT development agency.
6. Webel will ensure coordinated development of telecom and IT infrastructure so that it can be easily dovetailed with the smart projects to be implemented by the SPV
7. Any such issues with regards to supporting and collaborating with NKDA and/or SPV to implement the Smart City Plan in a time bound and cost effective manner

WB
07/12/15
(Debapriya Biswas)
Chief Executive Officer
New Town Kolkata Development Authority
Debapriya Biswas (Exe.)
Chief Executive Officer
New Town Kolkata Dev. Authority

Manoj Kumar
Managing Director
WEBEL
For West Bengal Electronics Industry
Development Corporation Limited

Managing Director

Ref. No. 5136 dt 12/11/15
Pr. Secy

Webel
opportunities infinite

CEO NKDA
[Signature]

(41)
S/1
30/11

West Bengal Electronics Industry Development Corporation Limited

Webel Bhavan, Block - EP & GP, Sector V, Bidhan Nagar, Salt Lake, Kolkata - 700 091
Phone : +91 33 2339 2234/228/327/316 • Fax : +91 33 2357 1739/1708 • e-mail : contact@webel-india.com

01:WEBEL:130:15:1135

(CIN : U52209WB1974SGC029237)

20 November 2015

The Principal Secretary
Urban Development Department
Government of West Bengal
Nagarayan Bhavan
Salt Lake
Kolkata 700064

20151127161734
URBAN DEVELOPMENT DEPT.
GOVT. OF W.B.
DT. 26/11/15
DIARY NO. 6636

Urban Development Dept.
U/O No. 1272 (1272)
Dt. 1.12.2015

Sir,

Reference to my discussion with you regarding solution and proposal on Smart Parking to contain revenue leakage.

Please find enclosed Solution document for your kind perusal.

With regards,

Yours sincerely,




[Signature]

UPENDER JIT SINGH
MANAGING DIRECTOR

mp
AO-E
Gbi
01/12/15

Enc. As above

4.16. Bidhannagar Police Commissionerate's Safe City Program

	 GOVT. OF WEST BENGAL OFFICE OF THE ADDL. DEPUTY COMMISSIONER OF POLICE (AIRPORT DIVISION) BIDHANNAGAR POLICE COMMISSIONERATE
MEMO NO. 2946 /ADC/APT/BDNPC	DATE: 9/12/2015
<p>This is to confirm that New Town, Kolkata under Bidhannagar Police Commissionerate is covered under safe city program.</p>	
<p> 9/12/15 Addl. Deputy Commissioner of Police Airport Division Bidhannagar Police Commissionerate</p>	
Office of the Addl. Deputy Commissioner of Police, (Airport Division), Street No. 45, Action Area - I, New Town, Kolkata - 700156	

4.17. OO for implementing Pneumatic Solid Waste Management in Eco Park



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: - 6134 /NKDA/Engg – 558/2015

Date: - 16.10.2015

ORDER

Administrative Approval and Financial Sanction has been accorded for an amount of **Rs. 14,01,00,000.00** (Rupees Fourteen crore one lakh) only for the work named below, salient features of the work being furnished herein under.

- | | | |
|---|---|---|
| 1. Name of work | : | Implementation (Supply, Installation, Testing & Commissioning) of an Automated Vacuum Refuse Collection System on Turn-key basis in Eco-Park, New Town, Kolkata along with 05 (five) years comprehensive operation and maintenance. |
| 2. Location | : | Eco-Park, New Town, Kolkata. |
| 3. Purpose | : | Prevent littering on the area and collection of solid waste. |
| 4. Brief description of work | : | As stated above. |
| 5. Period of Work (Approx) | : | 09 (Nine) months for the original work with 05 (five) years Operation and Maintenance. |
| 6. Technical Sanction accorded by | : | Chief Engineer, New Town Kolkata Development Authority. |
| 7. Administrative Approval accorded by | : | New Town Kolkata Development Authority Board. |
| 8. Date of Administrative Approval | : | 29 th Board meeting of New Town Kolkata Development Authority on 11.09.2015. |
| 9. Approval of Technical Sanction for revised estimate and drawing (if any) | : | N.A. |
| 10. Authority executing the work | : | Executive Engineer – I, New Town Kolkata Development Authority |
| 11. Nature of work (Deposit work / Regular work) | : | Regular Work |
| 12. Source of Fund | : | NKDA |
| 13. Chargeable Head of Account | : | 410-40-17 (Waste Treatment Plant) |

Administrative Approval is accorded subject to the following conditions:-

- Prior approval of the New Town Kolkata Development Authority is required to be obtained in case of incurring excess expenditure necessitating preparation of Revised Estimate with detailed justification.
- Expenditure is to be restricted to Budget Grant of the year.

Sd/-

Chief Executive Officer

New Town Kolkata Development Authority

Date:- 16.10.2015

Memo No:- 6134 /1(4) /NKDA/Engg – 558/2015

Copy forwarded for information and necessary action to:

- Chief Engineer, New Town Kolkata Development Authority.
- Finance Officer, New Town Kolkata Development Authority.
- Assistant Engineer – I, New Town Kolkata Development Authority.
- Estimator/ Sri P.C. Das & Sri C. Sengupta, Sr. Accountant / Cashier, New Town Kolkata Development Authority.

Executive Engineer – I

New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org

4.18. MoU for Implementation of HP's Telemedicine Kiosk and Bosch's Smart Traffic Solution as Pilot Projects

MEMORANDUM OF UNDERSTANDING

BETWEEN

Hewlett Packard Enterprise India Private Limited

AND

New Town Kolkata Development Authority

AND

**West Bengal Housing Infrastructure Development Corporation
Ltd**

FOR

Cloud enabled eHealth Centre (eHC)

January 2016



पश्चिम बंगाल पश्चिम बंगाल WEST BENGAL

U 919179

MEMORANDUM OF UNDERSTANDING

BETWEEN

Hewlett Packard Enterprise India Private Limited

AND

New Town Kolkata Development Authority

AND

West Bengal Housing Infrastructure Development Corporation Ltd

FOR

Cloud enabled eHealth Centre (eHC) at New Town Kolkata

M/s HewlettPackard Enterprise India Pvt. Ltd, having its registered office at No. 24, Salarpuria Arena, Hosur Main Road, Adugodi, Bangalore – 560 030 (hereinafter referred to as "HPE") and New Town Kolkata Development Authority, a Development Authority constituted under New Town Kolkata Development Authority Act, 2007, having its office at New Town, Kolkata - 700156, hereinafter referred to as NKDA and West Bengal Housing Infrastructure Development Corporation Ltd, a Company registered under the Companies Act, 1956, having its registered office at HIDCO BHABAN, New Town, Kolkata - 700156 hereinafter referred to as WBHIDCO and jointly referred to as Parties.

G. Srinivas

[Signature]

Rajesh Ora



This **MOU** sets down the mutually agreed broad framework for smart delivery of health services, joint Medical, research and academic activities in various fields of interest. It also incorporates the modalities for collaboration.

1. PREAMBLE:

- 1.1 NKDA is a **Development Authority as well as a Local Authority of New Town, Kolkata, selected as the Implementing Agency for Smart City project of New Town, Kolkata.**
 - 1.2 WBHIDCO is a Govt. of West Bengal Undertaking participating in Smart City project of New Town Kolkata as a partner of NKDA.
 - 1.3 HPE is engaged in the business of providing IT (Information Technology) Products and Services.
 - 1.4 eHealth Centre (eHC) is an Hewlett Packard and Council of Scientific and Industrial Research (CSIR) initiative where information technology will be used to enable local healthcare services and telemedicine, while collecting data pertaining to patients health and related issues.
 - 1.5 HPE would like to deploy and provide two (2) eHealth Centre(eHC) , the entire solution with all the equipments mentioned in the Annexure 1 along with studio for the Doctor , at New Town Kolkata.
2. HPE would be donating these two (2) eHC to NKDA.

3. PURPOSE:

NKDA, WBHIDCO and HPE desire to implement, in the areas of mutual interest, cooperative and collaborative activities including but not limited to provisioning of step down primary health care through cloud enabled eHC, which would address healthcare delivery and Healthcare education problems of the citizens of New Town, Kolkata. This is however, not in derogation of the Primary Health maintenance system of the Government of West Bengal.

This is facilitated by the instrument of this **MOU** as follows:

4. Roles and Responsibilities

HPE will provide the cloud enabled eHealth Centre to NKDA and WBHIDCO and to run it under the following scope of roles and responsibilities:-

HPE's scope, roles and responsibilities.

- As being defined below and in annexure - I
- HPE will be providing one studio at a place selected on mutual agreement.
- HPE will provide 2 eHCs along with the Health Cloud (Ref. Annexure I)
- HPE will provide one time training for the Health Cloud system and handholding by on-site or off-site consultations for 2 years to be provided as part of eHC within one month from the date of this Agreement to the identified stakeholders. The scope of training will include one-time training to the entire paramedics staff and identified doctors of eHC for EMR operations, medical

G. Bhowmik

[Signature]

Dipak Kumar



device operations ,complete hand over of the operational manuals to the Admin head of the eHC,

- Supply of Lab. Materials, glucose strips etc. for two (2) years subject to any ceiling per month as may be mutually decided.

NKDAs scope, roles and Responsibilities:

- Identification/provisioning of Health facilities that will provide:-
- Manpower (Paramedics and Nurses) to be deployed at studio.
- Doctor that will be stationed at the studio.
- Facilitate communication with local residents.
- Ensuring that the trained health care providers will facilitate further training programs if required.
- Providing Internet connectivity at Studio.
- Electricity and water at Studio.

WBHIDCO scope, roles and Responsibilities:

- Location of the 2 eHCs (at Seniors' Park and at Utility Building).
- Manpower (Paramedics and Nurses) to be deployed at studio.
- Identification/ provisioning of Health facilities in closed consultation with NKDA.
- Facilitate communication with local residents.
- Providing Internet connectivity at the 2 eHCs..
- Infrastructure and accommodation for the eHC to be handed over, to NKDA.
- Electricity and water at the 2 eHCs.

ARTICLE - 1

- NKDA (along with the Health Service Provider as may be nominated), WBHIDCO and HPE will hold regular meetings on problems of mutual interest. A monitoring Committee will be formed.
- NKDA, WBHIDCO and HPE will have access to the facilities as may be provided by the third party (Health Service Provider).
- Project shall be a non-profit venture and shall provide free service to the citizens of New Town in the matter of advising/providing such e Health services.

ARTICLE – 2 - INTELLECTUAL PROPERTY

Each of HPE, NKDA and WBHIDCO will continue to have sole ownership of all pre-existing Intellectual Property they respectively bring into the initiative and neither Party can claim ownership of Intellectual Property brought in by the other

ARTICLE – 3

- That no non-India related data will be uploaded in the cloud. This only includes the data pertaining to the patients visiting the eHC deployed in the instant project which will be uploaded in cloud.
- HPE may not provide further running costs and expects that the system will be maintained in operational condition by its authorized partner for reasonable time period.HPE will only provide for the deployment of eHC at the selected site and will

G. Bhowmik

[Signature]

Rajeev



also provide all necessary technical supports for 2(two) years. Once deployed at the selected site, all the running cost including day- today operations, salary of staff, consumables, electricity, water and internet and diesel for running of generator will be borne by WBHIDCO except chemicals & glucose strips. NKDA will provide necessary accommodation and infrastructural facilities for the eHC centre (Studio).

ARTICLE – 4

- The HPE shall be guided by the 'Guidelines & Standards for Practice of Telemedicine in India' as issued from time to time by the Department of Information Technology, Ministry of Communication and Information Technology, Government of India.
- HPE will authorize its authorized vendor for technical support in consultation with NKDA/WBHIDCO.
- eHealth Centre is required to follow guidelines as stated in the Manuals prepared by HPE's authorized vendor after approval of NKDA/WBHIDCO.
- HPE authorised vendor has the right to access to eHealth Centre facility during office hours strictly for the purpose of performance of support services required under this MoU, with the permission of NKDA/WBHIDCO.

ARTICLE – 5

NON-EXCLUSIVITY OF THE MOU

Notwithstanding anything contained in the provisions excepting Article - 2 of the MOU, any party or all the parties together have the unrestricted right to seek additional funds for and/or to cooperate with any agency/institute for any of the projects covered by the MOU.

The parties shall be at liberty to enter into such agreement with other parties as may be required for opening up of Additional eHC/Tele Medicine Centres in New Town, Kolkata in public interest.

ARTICLE - 6

Any article of the MOU may be modified or changed by mutual agreement of the parties hereto in writing. The modifications/changes shall be effective from the date on which they are modified/extended unless otherwise agreed to.

Either of the parties may end its co-operation under this memorandum at any time giving one months' notice. The remaining participants may endeavour to continue with the project, if desired.

ARTICLE - 7

All disagreements/differences of opinion/disputes regarding the interpretation of the provisions of this MOU shall be resolved by mutual consultation by the signatories.

G. K. Saha

[Signature]

Rajesh Kumar


ARTICLE - 8

This MOU and the terms underlined herein establish the principles of the understanding reached by the parties. This MOU is indicative for the implementation of the project which may require execution of Definitive Agreement(s). The tenure of the MOU shall be for a period of Two years from the date of signing the MOU.

ARTICLE - 9

This MOU and/or all agreements arising thereunder shall be construed in accordance with the existing Indian Laws.

ARTICLE - 10

CONFIDENTIALITY & INTELLECTUAL PROPERTY

"Confidential Information" means any information furnished to a party by the other party hereto pursuant to this MOU that if disclosed in tangible form is marked "Confidential" or with other similar designation to indicate its confidential or proprietary nature. Confidential Information shall not, however, include any information which, in each case as demonstrated by sufficient evidence: (i) was publicly known and made generally available in the public domain prior to the time of disclosure by the disclosing party; (ii) becomes publicly known and made generally available after disclosure by the disclosing party to the receiving party through no action or inaction of the receiving party; (iii) is already in the possession of the receiving party at the time of disclosure by the disclosing party; (iv) is obtained by the receiving party from a third party without a breach of such third party's obligations of confidentiality; or (v) is independently developed by the receiving party without use of or reference to the disclosing party's Confidential Information. Without limiting the foregoing, Confidential Information of HPE India will include, without limitation, any technical specifications with respect thereto provided to WBHIDCO by HPE India. Confidential Information will be protected using a reasonable degree of care to prevent unauthorized use or disclosure for 3 years from the date of receipt or (if longer) for such period as the information remains confidential.

ARTICLE - 11

Non-use and Nondisclosure - Neither party shall use or disclose the other party's Confidential Information, except as reasonably necessary to exercise its rights or fulfil its obligations hereunder, comply with applicable governmental regulations, or as otherwise required by law or by a governmental authority; provided that if a party is required to make any such disclosure of the other party's Confidential Information it will give reasonable advance notice to the other party of such disclosure and will use all reasonable efforts to secure confidential treatment of such information prior to its disclosure (whether through protective orders or otherwise) at the expense of the owner of the Confidential Information

Each of HPE and WBHIDCO will continue to have sole ownership of all pre-existing Intellectual Property they bring in into the initiative and neither Party can claim ownership of Intellectual Property brought in by the other party

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Handwritten signature

Handwritten signature



ARTICLE – 12

LIMITATION OF LIABILITY:-

In no event shall either party be liable for any direct, indirect, consequential damages or loss even if the other party has been advised of the possibility of damages.

ARTICLE – 13

FORCE MAJEURE

Neither party will be liable for either performance delays or for non-performance due to causes beyond its reasonable control.

Article 14

Notwithstanding anything in article 10 and 11, Disclosure of Information to either party or a third party will be governed by the provision of RTI Act 2005.

Article 15

This Memorandum of Understanding is in the nature of technological co-operation which is non-binding and has no financial implication.

In witness whereof the undersigned, duly authorized thereto, have signed this MOU on this day, **08th January 2016**.

(Signature)
(DEBAPRIYA BISWAS)
Chief Executive Officer,
NKDA
New Town Kolkata Development Authority
165, W.A.R., Kolkata - 700 156

(Signature)
(DEBJANI DATTA)
Joint Managing Director (Admn.)
WBHIDCO
WBHIDCO Ltd.

(Signature)
(RAJESH DHAR)
Snr. Director-TS
HPE


(Signature)
Pratim Thakur, System Manager
WITNESS (1) NKDA

(Signature)
SK. SADAR SAIF, W.B.A & S
WITNESS (1) Finance Officer
W.B. Housing Infrastructure
Dev. Corpn. Ltd.

(Signature)
Sushil Chatterjee
WITNESS (1) Hewlett Packard

(Signature)
Chandrap Milman
WITNESS (2) SUPERVISOR, NICD

(Signature)
K. Nayak, WBCS (Exe.)
General Manager (Marketing)
WB HIDCO LIMITED

(Signature)
Carshmi Nayyar
WITNESS (2)
Hewlett Packard
Enterprise

Annexure I

Components of eHC

The following are the components of eHC that will be delivered to NKDA/WBHIDCO by HPE:

- Following medical equipments will be provided by HPE .
 - BP Apparatus
 - Spirometer
 - Blood Analyser/serum analyser
 - Pulse oxymeter
 - Glucometer
 - Pulse Reader.
 - Temperature reader.
 - ECG
- Integration of these equipment with EMR hosted on Health Cloud will be provided by HPE
- Following IT equipment will be provided by HPE.
 - 4 Workstations (i-3)
 - 4 18.5 TFT
 - 3 headphones
 - 3 webcams
 - Switches and router(2)
- Training on the Health Cloud to the interns and doctors.
- 5-10 KVA UPS(Backup)
- Web portal for eHC.
- Dashboard for monitoring the eHC
- Requires furniture & other logistics supports.
- Transportation and installation at site will be done by HPE through its appointed authorised HPE vendor.

Rajesh Chatterjee



MEMORANDUM OF UNDERSTANDING

BETWEEN

Robert Bosch Engineering and Business Solutions Private Limited

AND

West Bengal Housing Infrastructure Development Corporation Ltd

FOR

Know Your Road (KYR)

ON

January 2016



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

U 919258

MEMORANDUM OF UNDERSTANDING

BETWEEN

Robert Bosch Engineering and Business Solutions Private Limited

AND

West Bengal Housing Infrastructure Development Corporation Ltd

FOR

Know Your Road (KYR) at New Town Kolkata

M/s Robert Bosch Engineering and Business Solutions Private Limited, having its registered office at No. 123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560 095, Karnataka, India (hereinafter referred to as "RBEI") and West Bengal Housing Infrastructure Development Corporation Ltd, a Company registered under the Companies Act, 1956, having its registered office at HIDCO BHABAN, New Town, Kolkata - 700156 hereinafter referred to as WBHIDCO and jointly referred to as Parties.

[Handwritten signatures]



This **MOU** sets down the mutually agreed broad framework for smart delivery of smart services. It also incorporates the modalities for collaboration.

1. Preamble:

- 1.1 WBHIDCO is a Govt. of West Bengal Undertaking participating in Smart City project of New Town Kolkata as a partner of New Town Kolkata Development Agency (NKDA).
- 1.2 RBEI is engaged in the business of providing IT (Information Technology) Products and Services.
- 1.3 Know Your Road (KYR) is an RBEI initiative where information technology will be used to enable better traffic services, better road information to motorists while collecting data pertaining to mobile users in cars who agree to use the application for their use.
- 1.4 RBEI would like to deploy and provide the entire solution with all reports to WBHIDCO for Proof of Concept on 50 users for a period of 100 days which is extendable on mutual agreement
- 1.5 At the end, a project report will be submitted with findings and recommendations, and larger roll out can be discussed and mutually agreed.

2. Roles and Responsibilities

RBEI:

- Providing the mobile application as an apk, which collects speed and road quality data from the mobile phone sensors as one drives along **NEW TOWN observing Rules of the Road and all related provisions of Indian Law.**
- The data and services in the cloud is managed by RBEI.
- The mobile app displays the speed information on the screen. The average speed people followed ahead of the current location is displayed to the user.
- The solution is configured to support Vehicle type 'Car' for the pilot phase.
- Providing the web portal which hosts a web based application that helps to visualize speed profile, road quality, time and date based views from the collected data overlaid on a map view.
- Any updates to the apk will be shared via email and to web portal will be made available online.
- RBEI will process and store the user Data in Bosch or with its service provider. Server downtime on account of maintenance activities will be informed.



- Implementation of new feature requests from the Urban Development Department, Kolkata will be solely based on RBEI's decision.
- One time training including hand holding by onsite or offsite within the duration of the PoC

WBHIDCO:

- Sharing list of initial 50 users with phones supporting Android version Kitkat onwards and GPS receiver, accelerometer.
- Ensure users to upload collected data from mobile phone to the cloud observing the relevant IT principles.
- Providing data connectivity for the users.
- Make the motorists and city administrators aware about such apk.
- Decision making based on the data captured **in collaboration with concerned Authorities.**
- System Requirements for web portal: IE, Mozilla, with minimum 2GB RAM.

ARTICLE – 1

- WBHIDCO and RBEI will hold regular meetings on problems of mutual interest.
- **WBHIDCO is responsible for complete operational ownership of the KYR application.**
- **Project shall be a non-profit venture and shall provide free service to the citizens of New Town in the matter of advising/providing such mobile smart e-services free of cost.**

ARTICLE – 2

INTELLECTUAL PROPERTY

Each of RBEI and WBHIDCO will continue to have sole ownership of all pre-existing Intellectual Property they respectively bring into the initiative and neither Party can claim ownership of Intellectual Property brought in by the other.

ARTICLE – 3

Once deployed with selected users, all the running cost will be borne by WBHIDCO. **No non-India related data will be uploaded in the cloud.**



ARTICLE – 4

NON-EXCLUSIVITY OF THE MOU

Notwithstanding anything contained in the provisions excepting Article - 2 of the **MOU**, either party or both parties together have the unrestricted right to seek additional funds for and/or to cooperate with any agency/institute for any of the projects covered by the **MOU**.

The parties shall be at liberty to enter into such agreement with other parties as may be required in this regard in public interest.

ARTICLE – 5

Any article of the **MOU** may be modified or changed by mutual agreement of the parties hereto in writing. The modifications/changes shall be effective from the date on which they are modified/extended unless otherwise agreed to. However the agreement can be terminated by either party by giving one month's notice on 'no liability' basis.

ARTICLE – 6

All disagreements/differences of opinion/disputes regarding the interpretation of the provisions of this **MOU** shall be resolved by mutual consultation by the signatories.

ARTICLE -7

This MOU and the terms underlined herein establish the principles of the understanding reached by the parties. This MOU is indicative for the implementation of the project which may require execution of Definitive Agreement(s). The tenure of the **MOU** shall be for a period of Two years from the date of signing the **MOU** subject to provisions of ARTICLE - 5 herein.

ARTICLE -8

This MOU and/or all agreements arising thereunder shall be construed in accordance with the existing Indian Laws.



ARTICLE – 9

CONFIDENTIALITY

“Confidential Information” means any information furnished to a party by the other party hereto pursuant to this MOU that if disclosed in tangible form is marked “Confidential” or with other similar designation to indicate its confidential or proprietary nature. Confidential Information shall not, however, include any information which, in each case as demonstrated by sufficient evidence: (i) was publicly known and made generally available in the public domain prior to the time of disclosure by the disclosing party; (ii) becomes publicly known and made generally available after disclosure by the disclosing party to the receiving party through no action or inaction of the receiving party; (iii) is already in the possession of the receiving party at the time of disclosure by the disclosing party; (iv) is obtained by the receiving party from a third party without a breach of such third party’s obligations of confidentiality; or (v) is independently developed by the receiving party without use of or reference to the disclosing party’s Confidential Information will be protected using a reasonable degree of care to prevent unauthorized use or disclosure for 3 years from the date of receipt or (if longer) for such period as the information remains confidential.

ARTICLE – 10

Non-use and Nondisclosure - Neither party shall use or disclose the other party’s Confidential Information, except as reasonably necessary to exercise its rights or fulfil its obligations hereunder, comply with applicable governmental regulations, or as otherwise required by law or by a governmental authority; provided that if a party is required to make any such disclosure of the other party’s Confidential Information it will give reasonable advance notice to the other party of such disclosure and will use all reasonable efforts to secure confidential treatment of such information prior to its disclosure (whether through protective orders or otherwise) at the expense of the owner of the Confidential Information

ARTICLE – 11

LIMITATION OF LIABILITY

In no event shall either party be liable for any direct, indirect, consequential damages or loss even if the other party has been advised of the possibility of damages.

ARTICLE – 12

FORCE MAJEURE

Neither party will be liable for either performance delays or for non-performance due to causes beyond its reasonable control.



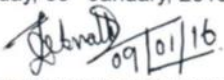
ARTICLE – 13

Notwithstanding anything in ARTICLES 9 & 10 Disclosure of Information to either party or a third party will be governed by the provision of RTI Act 2005.

ARTICLE 14

This Memorandum of Understanding is in the nature of technological co-operation which is non-binding and has no financial implication.

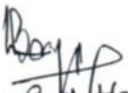
In witness whereof the undersigned, duly authorized thereto, have signed this **MOU** on this day, 09th January, 2016.


09/01/16
SUBHANKAR DEBNATH
System Manager (IT)
WB HIDCO Ltd.
(SUBHANKAR DEBNATH)
System Manager (IT),
WBHIDCO.

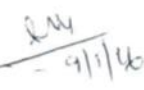

(VIJAY RATNAPARKHE)
Managing Director & President,
RBEI


9.1.16
(DEBJANI DATTA)
Joint Managing Director(Admn.)
WBHIDCO.
Jt. Managing Director (Admn.)
WBHIDCO Ltd.


(DHIRAJ WALI)
Vice President,
RBEI

WITNESS:- 1) 
K. Nayn, M.B.S (Exe.)
General Manager (Marketing)
WB HIDCO LIMITED

WITNESS:- 1) 

WITNESS:- 2) 
- 9/1/16
SK. SADAR SAIF, W.B.A & A.S
Finance Officer
W.B. Housing Infrastructure
Dev. Corpn. Ltd.

WITNESS:- 2) 



ANNEXURE A

The following terms and conditions shall outline the confidentiality obligations between the Parties subject to the provisions of Article 9 & 10 of the MoU ::

1. For the purpose of this MOU, "Confidential Information" shall mean any information disclosed by one Party (Disclosing Party) to the other (Receiving Party) either directly or indirectly, in writing, orally, (including, without limitation, documents, prototypes, samples, media, documentation, discs and code). Confidential information shall include, without limitation, any materials, trade secrets, network information, configurations, trademarks, brand name, know-how, business and marketing plans, financial and operational information, and all other non-public information, material or data relating to the current and/ or future business and operations of the Disclosing Party and analysis, compilations, studies, summaries, extracts or other documentation prepared by the Disclosing Party. Confidential Information may also include information disclosed to the Receiving Party by third parties on behalf of the Disclosing Party.
2. The Receiving Party shall refrain from disclosing, reproducing, summarising and/or distributing Confidential Information and confidential materials of the Disclosing Party except as defined in the scope of the MOU.
3. The Parties shall protect the confidentiality of each other's Confidential Information in the same manner as they protect the confidentiality of their own proprietary and confidential information of similar nature. Each Party, while acknowledging the proprietary nature of the Confidential Information agrees to take all reasonable measures at its own expense to restrain its representatives from prohibited or unauthorised disclosure or use of the Confidential Information.
4. Confidential Information shall always remain property of Disclosing Party and may not be copied or reproduced by Receiving Party without Disclosing Party's prior written consent.
5. Within seven (7) days of a written request by the Disclosing Party, Receiving Party shall return/destroy (as may be requested in writing by the Disclosing Party or upon expiry and or earlier termination) all originals, copies, reproductions and summaries of Confidential Information provided to Receiving Party as Confidential Information. The Receiving Party shall certify to Disclosing Party in writing that it has satisfied its obligations under this paragraph.
6. Receiving Party may disclose Confidential Information only to Receiving Party's employees and consultants on a need-to-know basis. Receiving Party shall have executed or shall execute appropriate written agreements with third parties, in a form and manner sufficient to enable Receiving Party to enforce all the provisions of this Annexure.
7. Confidential Information, however, shall not include any information which the Receiving Party can show:
 - i) is in or comes into the public domain otherwise than through a breach of this Agreement or the fault of the Receiving Party; or



- ii) was already in its possession free of any such restriction prior to receipt from the Disclosing Party; or
 - iii) was independently developed by the Receiving Party without making use of the Confidential Information; or
 - iv) has been approved for release or use (in either case without restriction) by written authorisation of the Disclosing Party.
8. In the event either Party receives a summons or other validly issued administrative or judicial process requiring the disclosure of Confidential Information of other Party, Receiving Party shall promptly notify the Disclosing Party. The Receiving Party may disclose Confidential Information to the extent such disclosure is required by law, rule, regulation or legal process; provided however, that, to the extent practicable, Receiving Party shall give prompt written notice of any such request for such information to Disclosing Party, and agrees to co-operate with Disclosing Party, at Disclosing Party's expense, to the extent permissible and practicable, to challenge the request or limit scope thereof, as the Disclosing Party may reasonably deem appropriate.
9. Neither Party shall use other's name, trademarks, or logo in any press release, marketing material or otherwise without prior written consent of other Party.

4.19. OO for setting up organic farming with solar panels on market roof in Action Area 1

✓ CE/EE-I
S.No. 4517 dt 8/10/15
09/10

U/o Note

As discussed on 3.10.15, we may invite quotations / bids for project at rooftops of IB/ IC markets so as to do rooftop organic farming using recycled water and solar PV panels for sheds. This would be a demonstration project under Smart City programme. CE./ EE(Abin De) may be requested to do the needful.

(Debashis Sen)

Chairman NKDA

CEO, NKDA

U.O.NO. 3028-S/UD.

dt. 07/10/2015

Pls do the needful as instructed.

08/10/15

CE
E.S.P.

P. proceed as instructed and discussed in my chamber on 05.10.15.

09.10.15

pl put up
in rooftop farming file

08/10/15

Page 2 of Board Resolution

2. Development of rooftop vegetable garden in integration with Solar Power Project over CB Community Market in Action Area – IC, New Town Kolkata.

Member Secretary informed the meeting that the Competent Authority of New Town Kolkata Development Authority has decided to make an innovative project of Rooftop Organic Farming of vegetables with Re-cycled rain water under solar photo voltaic panels on the roof top of Community Market in CB Block, Action Area –IC, New Town Kolkata. Such roof top farming activity will be taken within an enclosure consisting of M.S Frame. This would be a pilot project under Smart City Programme and this project likely to be first in Eastern India. Lump-sum turnkey tender is to be invited for the rooftop organic farming as most of the rates are unknown for such work. The work also includes 5 years of comprehensive operation and maintenance of the project.

After detailed discussion regarding viability of the project and being satisfied Board approved the proposal in principal.

3. Allotment of space to Department of Posts, Govt. of India for opening Post Office at ID Community Market.

Chief Executive officer, NKDA placing the agenda to the Board stated that Senior Superintendent of Post Offices, East Kolkata Division requested the authority to allot a space of around 600 Sq. ft. at Action Area –I on rental basis for shifting of existing New Town Post Office due to some inconveniences. They have also prayed for allowing the said space at ID (DF Block) Community Market, if available.

Incidentally the ID (DF Block) Community Market is almost complete and ready for distribution. A space of 600 sq. ft. may be available to allot on rental basis @ Rs.45/- per sq. ft., as determined by the Collector, North 24 Parganas. CEO also stated to the meeting that the postal authority has requested to provide the space at a rent fixed by Fair Rent Assessment Committee of their Department.

Board approved the proposal of allotment of the space for the development of the New Town and also allowed the proposal of postal Dept. for assessment of fair rent by their Fair Rent Assessment Committee.

4. New Town Mela – 2015.

4.20. NKDA resolution stating all government buildings will promote solar powered lightings, promote e-health and e-education

Minutes of the 30th meeting of the New Town Kolkata Development Authority held on 4th December 2015 at 12.00 noon at the conference hall of the Authority.

Members present

- | | |
|---|------------------------|
| 1. Sri Debashis Sen, IAS
Principal Secretary
Urban Development Dept. | Chairman, NKDA |
| 2. Sabyasachi Dutta, MLA | Member, NKDA |
| 3. Sri Gopal Chandra Ghose, WBCS(Exe)
Special Secretary
Urban Development Dept. | Member Secretary, NKDA |
| 4. Sri Anindya Karformar DG , Building
Kolkata Corporation | Member, NKDA |
| 5. Smt. Debjani Dutta WBCS(Exe)
Joint Managing Director, WBHIDCO | Member, NKDA |
| 6. Sri Debapriya Biswas, WBCS(Exe)
CEO, NKDA | Member, NKDA |

Others present

- | | |
|-------------------------|------------------------------|
| 1. Sri Pradip Roy | Chief Engineer, NKDA |
| 2. Sri Sukanta Kumar De | Administrative Officer, NKDA |
| 3. Sri Himadri De | Finance Officer, NKDA |

Sri Debashis Sen, IAS Chairman, Newtown Kolkata Development Authority took the chair. He welcomed all the members of the Authority in the meeting. There after he initiated the formal discussion of the meeting and advised Member Secretary to place the agenda of the meeting for discussion in order.

1. Confirmation of the proceedings of the 29th meeting of New Town Kolkata Development Authority.

Sri Gopal Chandra Ghose Member Secretary, NKDA read out the proceedings of the 29th meeting held on 11.09.2015 for information and confirmation of the members. Board confirmed the proceedings.



5. Powers to Implement and monitor the Smart City Proposal with operational freedom , in close coordination/Collaboration/Understanding with NKDA, HIDCO, NTESCL, NTTIDCO, PHED and any other government/Pvt institutions/ departments as it deems fit.
 6. Powers to Comply with the requirements of State Government and MoUD as required
 7. Powers to Incorporate joint ventures, subsidiaries and enter 'into Public Private Partnerships as may be required
 8. Powers to Enter into contracts, partnerships and service delivery arrangements as may be required
 9. Powers to Determine and collect user charges as authorized by the ULB/ State Government.
 10. Powers to Undertake citizen periodic feedback on the smart projects
 11. Powers to collaborate with other state government institutions and departments on convergence related projects.
 12. Powers to formulate its own procurement policy, finance & accounts policy, human resource policy and other related policy considering the relevant / applicable polices, acts and rules of state/ central government.
- Any other duties / responsibilities entrusted to it by this authority from time to time.

Board unanimously approved the proposal.

4. Some Proposed Smart initiatives.

Chief Executive Officer intimated the meeting that in Connection with implementation of a complete e-governance/m-governance solution with a human interface is proposed to be undertaken by NKDA as a part of Smart City initiative. For ensuring e-delivery of health services to the stake holders of this city and to increase the accessibility to primary health services, telemedicine kiosks are proposed to be set up under the Smart City initiative. Assistance in this regard may be requested from important national/international players in this field like HP or any other renowned company.

It is also proposed that in order to facilitate start ups in this city, incubation centres are to be set up in collaboration with WBHIDCO supported by mobile e-application.

NKDA will also take initiatives to involve senior citizens of this city in connection with continuing education, implementing ICT.

NKDA will also promote solar powered lightings and other power efficient equipments like LED lamps etc in Bus Stands, parks and other secured public spaces like Government Offices.

Board approved the proposal.

There being no other issue for discussion, the meeting ended with vote of thanks to and from the chair.



**Debashis Sen,
Chairman,**

New Town Kolkata Development Authority


Memo No *6981*/NKDA/ADMN-21/2009

Dated *08/12/2015*

Copy forwarded for information and kind perusal to:

- | | |
|--|----------------|
| 1. Sri Debashis Sen IAS,
Principal Secretary, Urban Development Department | Chairman, NKDA |
| 2. Smt. Kakoli Ghosh Dastidar, Member of Parliament | Member, NKDA |
| 3. Sri Sabysachi Dutta, Member of Legislative Assembly | Member, NKDA |
| 4. Smt. Manmeet Kaur Nanda, IAS,
District Magistrate, North 24-Parganas | Member, NKDA |
| 5. Representative of Municipal Affairs Dept.
Project Director, Kolkata Urban Services for Poor &
Ex-officio Additional Secretary, Municipal Affairs Department | Member NKDA |
| 6. Sri Anindya Karforma, DG (Building),
Kolkata Municipal Corporation | Member, NKDA |
| 7. Smt. Debjani Dutta, WBCS (Exe.)
Joint Managing Director, WBHIDCO Ltd. | Member, NKDA |

- | | |
|--|-----------------------------------|
| 8. Sri Debapriya Biswas WBCS(Exe.)
NKDA
Chief Executive Officer,NKDA | Member, |
| 9. Sri Pradeep Roy | Chief Engineer, NKDA |
| 10. Sri Uttam Kumar Jana | Superintendent Engineer, M/E,NKDA |
| 11. Sri Sukrit Chatterjee | Chief Architect, NKDA |
| 12. Sri Dilip Kr. Das | Estate Manager-I, NKDA |
| 13. Sri Amit Kumar Bose | Estate Manager-II NKDA |
| 14. Sri Debyeet Ganguly WBCS(Exe.)
NKDA | Administrative Officer –I, |
| 15. Sri Sukanta Kumar De | Administrative Officer-II, NKDA |
| 16. Sri Himadri De | Finance Officer, NKDA |
| 17. Sri Abin De
NKDA | Executive Engineer-I, |
| 18. Sri Ashoke Kr Dutta | Executive Engineer-II, NKDA |


Gopal Chandra Ghose
Member Secretary,
New Town Kolkata Development Authority

4.21. OO for use of Solar Energy on the canal front



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY (A Statutory Authority Under Government of West Bengal) 3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: - 4688 /NKDA/Engg - 368/2012

Date: - 11.09.2014

ORDER

Administrative Approval and Financial Sanction are hereby accorded for an amount of **Rs.9,90,00,000 .00** (Rupees Nine crore ninety lakh) only for the work named below, salient features of the work being furnished hereinunder.

- | | | |
|--|---|---|
| 1. Name of work | : | Supplying, installation, commissioning with Five years comprehensive maintenance of 500 kW (100kW × 5) on Grid SPV Power Plants on Canal top (roof top category) at different zones beside Eco-Park, New Town, Kolkata. |
| 2. Location | : | Beside ECO Park in Action Area – IIB, New Town, Rajarhat. |
| 3. Purpose | : | For implementation of Solar Energy Project in New Town. |
| 4. Brief description of work | : | As stated above. |
| 5. Period of Work (Approx) | : | 06 (Six) months with 05 (five) years operation and Maintenance |
| 6. Approval of Works Committee | : | 9 th meeting of Works & Tender Selection Committee. |
| 7. Administrative Approval accorded by | : | NKDA Board |
| 8. Date of Administrative Approval | : | 24 th Board meeting of New Town Kolkata Development Authority held on 23.08.2014. |
| 9. Approval of Works Committee for revised estimate and drawing (if any) | : | N.A. |
| 10. Authority executing the work | : | Executive Engineer – I, New Town Kolkata Development Authority |
| 11. Nature of work (Deposit work / Regular work) | : | Regular Work |
| 12. Source of Fund | : | NKDA General Fund |
| 13. Chargeable Head of Account | : | 412 – 30 – 17. |

Administrative Approval is accorded subject to the following conditions:-

- Prior approval of the New Town Kolkata Development Authority is required to be obtained in case of incurring excess expenditure necessitating preparation of Revised Estimate with detailed justification.
- Expenditure is to be restricted to Budget Grant of the year.

Sd/-

Chief Executive Officer

New Town Kolkata Development Authority

Date:- 11.09.2014

Memo No:- 4688 /1(4)/NKDA/Engg - 368 /2012(1)

Copy forwarded for information and necessary action to:

- Chief Engineer, New Town Kolkata Development Authority.
- Finance Officer, New Town Kolkata Development Authority.
- Assistant Engineer – II, New Town Kolkata Development Authority.
- Estimator/ Sri. S.S. Neogi & Sri. B. Bose. Sr. Accountant / Cashier, New Town Kolkata Development Authority.

Executive Engineer – I

New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571
Fax : 033-2324-2147
Website : www.nkdamar.org

No. 5/17/2011-12/ST (Vol II)
Ministry of New and Renewable Energy
(Solar Cities & Rooftop Grid Connected Division)

**Summary record of the meeting of the committee on Solar Cities held on 30th September, 2013,
at MNRE, New Delhi.**

The 6th meeting of the committee constituted under the Chairmanship of Shri Tarun Kapoor, Joint Secretary, MNRE regarding evaluation and acceptance of the Master Plans being prepared by various cities under "Development of Solar Cities" Programme was held 30th September, 2013 in MNRE, New Delhi. The following Committee members were present in the meeting:-

i. Shri Tarun Kapoor, Joint Secretary, MNRE	Chairman
ii. Shri V.H.Buch, Ex. Director, GEDA	Member
iii. Shri Girja Shankar, AEE, BEE	Member
iv. Dr. A.K.Tripathi, Scientist 'F', MNRE	Member Secretary

Shri Hiren Chandra Borah, Scientist B, MNRE was also present in the meeting. A list of participants is given in **Annexure**.

2. At the outset, Dr. A.K.Tripathi, welcomed the participants and presented an overview of the Solar Cities. He requested the consultant /SNA/Municipal Corporation to make brief presentations, highlighting the major issues and innovations included by them in the Master Plan. He suggested the consultants to prepare the few good project reports for installation of Renewable Energy Projects and include the details of existing Renewable Energy Projects in the Solar City. He also asked the consultants and the participants to give their views on the issue "When to declare a city as Solar City".

3. Shri Tarun Kapoor, Joint Secretary and the Chairman mentioned that the focus should be the installation of renewable energy projects in the respective solar cities. He asked about the parameters to be considered for declaring a Solar City. The Chairman also emphasized on concentrating the renewable energy systems including rooftop SPV systems sector wise i.e. residential, industrial, commercial, municipal sectors etc.

4. Shri Debashis Sen, Principal Secretary (UD), Government of West Bengal mentioned that New Town Kolkata Solar City may be taken under Model Solar City category for which the balance funds will be provided by Government of West Bengal. He expressed deep interest in providing all cooperation and funds towards renewable energy projects installations in the Solar City.

5. Shri Harshdeep Kumble, Municipal Commissioner, Aurangabad Municipal Corporation expressed the commitment of the Municipal Corporation for developing Aurangabad a Solar City in true sense. Dr.Tripathi, informed him that the Hon'ble Mayor of Municipal Corporation Aurangabad and the Hon'ble MP Mr.Khare recently visited the office of the Joint Secretary, and mentioned about their commitment regarding setting up of renewable energy projects in the city. Mr. Kumble suggested that many heritage buildings of Aurangabad City are proposed to be taken for installation of renewable energy systems.

6. The presentations on the Master Plans of Chamoli Gopeshwar, New Town Kolkata, and Aurangabad, were made by the respective consultants in presence of the representatives of respective Municipal Corporations and SNAs. The consultants highlighted major issues and the discussions were held on the preparations and content on each Master Plan. The observations of the committee against each Master Plan are summarized as follows:-

S. No	Solar City	Consultant	Comments of the Committee/MNRE
1.	Aurangabad	M/s Darashaw and Company Pvt. Ltd., Mumbai	<ul style="list-style-type: none"> • The calculation tables of the RE and EE strategies may kindly be reviewed once again and the recent benchmark cost and applicable subsidy be updated please. This will accordingly reduce the estimated project cost in the master plan. • As the MNRE's schemes on Green Building have been modified recently the relevant provisions of the new modified schemes may be included in place of the earlier provisions. • The calculation of estimated GHG may be rechecked and unit may be incorporate in the necessary places. • Some innovative ideas, city specific i.e. for heritage buildings may be suggested about RE applications, technology, management issues, cost sharing etc. • The details of existing renewable energy applications/ installations in Aurangabad City may be included in the master plan. • Minimum technical requirement of Renewable Energy and Energy Efficiency projects may be included in the Master Plan. • Comments of MEDA communicated vide letter no. SPV/Aurangabad/Solar Cities/2009/Cr.-41-IV/Solar/4843 dated 23.09.2013 which insists on wind resource assessment, potential of solar drying/Air heating, solar refrigeration and A/C, solar concentrators for process heat applications, energy efficiency measure in transport industry, renewable energy strategies related to heritage sites. <p>Subject to above modifications, the Master Plan of Aurangabad City was recommended for acceptance. The committee also in principally agreed to the 320 kW rooftop solar power plants at different locations for which detail project proposal may be submitted by Aurangabad Municipal Corporation/MEDA.</p>
2.	New Town Kolkata	M/s Darashaw and Company Pvt. Ltd., Mumbai	<ul style="list-style-type: none"> • The calculation tables of the RE and EE strategies may be reviewed once again and the recent benchmark cost and applicable subsidy may be updated please. This will accordingly reduce the estimated project cost in the master plan.

			<ul style="list-style-type: none"> As the MNRE's schemes on Green Building have been modified recently the relevant provisions of the new modified schemes may be included in place of the earlier provisions. The calculation of estimated GHG may be rechecked and units may be incorporated at the necessary places. Minimum technical requirement of RE and EE projects may be included in the Master Plan. The different models of implementations including ECSSO mode, PPP mode etc. may be considered. The possibility of battery operated system along with solar charging system may also be included in the master plan. Minimum technical requirement of Renewable Energy and Energy Efficiency projects may be included in the Master Plan.
			<p>Subject to above modifications, the Master Plan of New Town Kolkata City was recommended for acceptance. The committee also in principle agreed to the aggregate capacity of 500 kW grid connected Canal Rooftop projects for which detail project proposal may be submitted by NKDA/WBREDA.</p>
3.	Chamoli Gopeshwar	M/s ICLEI, South Asia, New Delhi	<ul style="list-style-type: none"> Existing RE projects list may be included. Few preliminary proposal may be included for which detailed project report may be prepared for installation of projects Minimum technical requirement of RE and EE projects may be included in the Master Plan Some innovative ideas, city specific may be suggested about RE applications, technology, management issues, cost sharing etc. The details of bye-laws made by municipal corporations/local Govt. in respect of renewable energy applications, energy efficiency, green buildings etc. may be included and the suggestions may be given for any new bye-laws to be made. The streetlight specifications of the HPSV lights may kindly be once again reviewed. The calculation tables of the RE and EE strategies may kindly

4.22. OO / Letter for existing and proposed hawker's corner in Action Area 1



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: - 2253/NKDA/Engg-335/2012

Date: - 27-6-13

ORDER

Administrative Approval and Financial Sanction are hereby accorded for an amount of **Rs.1,18,10,466.00** (Rupees One crore eighteen lakh ten thousand four hundred sixty six) only for the work named below, salient features of the work being furnished hereinunder.

1. Name of work : Construction of Temporary Food Court behind Sishu Tirtha (beas) Park at AD Block, New Town, Kolkata - 700156 including flooring and boundary wall, walkway and semi permanent superstructure, water supply & sanitary facilities, landscaping and electrification etc.
2. Location : Plot no. AD/8/1C, Premises No. 09 - 0045 Block - AD, Action Area - IA, New Town, Kolkata - 700156 behind Sishu Tirtha Sishu Uddyan.
3. Purpose : For rehabilitating and re-settlement of food vendors in and around DLF Buildings.
4. Brief description of work : As stated above.
5. Period of Work (Approx) : 08 (eight) months.
6. Approval of Works Committee : N. A.
7. Administrative Approval accorded by : New Town Kolkata Development Authority Board.
8. Date of Administrative Approval : 17th Board meeting of New Town Kolkata Development Authority held on 30.11.2012.
9. Approval of Works Committee for revised estimate and drawing (if any) : N.A.
10. Authority executing the work : Executive Engineer - I, New Town Kolkata Development Authority
11. Nature of work (Deposit work / Regular work) : Regular Work.
12. Source of Fund : NKDA General Fund.
13. Chargeable Head of Account : 412 - 30 - 16.

Administrative Approval is accorded subject to the following conditions:-

- i) Prior approval of the New Town Kolkata Development Authority is required to be obtained in case of incurring excess expenditure necessitating preparation of Revised Estimate with detailed justification.
- ii) Expenditure is to be restricted to Budget Grant of the year.


Chief Executive Officer

New Town Kolkata Development Authority

Date: - 27-6-13

Memo No:- 2253 /1(4)/NKDA/Engg - 335/2012

Copy forwarded for information and necessary action to:

1. Chief Engineer, New Town Kolkata Development Authority.
2. Finance Officer, New Town Kolkata Development Authority.
3. Assistant Engineer - I / II, New Town Kolkata Development Authority.
4. Estimator/ Sri S.S. Neogi & Sri B. Bose, Sr. Accountant/ Cashier, New Town Kolkata Development Authority.


Executive Engineer - I

New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: - 6135 /NKDA/Engg – 506/2014

Date: - 16.10.2015

ORDER

Revised Administrative Approval and Financial Sanction has been accorded for an amount of **Rs. 3,61,96,548.00** (Rupees Three crores sixty one lakh ninety six thousand five hundred forty eight) only for the work named below, salient features of the work being furnished herein under.

- | | | |
|---|---|---|
| 1. Name of work | : | Development of Hawker Rehabilitation Area including Civil works and Electrical works in front of Unitech and Info-space in Plot No. DJ/17 at Action Area – ID, New Town, Kolkata. |
| 2. Location | : | Plot no. DJ/17 at Action Area – ID, New Town, Kolkata. |
| 3. Purpose | : | To rehabilitate the Hawkers in New Town. |
| 4. Brief description of work | : | As stated above. |
| 5. Period of Work (Approx) | : | 12 (twelve) months |
| 6. Technical Sanction accorded by | : | Chief Engineer, New Town Kolkata Development Authority. |
| 7. Administrative Approval accorded by | : | New Town Kolkata Development Authority Board. |
| 8. Date of Administrative Approval | : | 29 th Board meeting of New Town Kolkata Development Authority on 11.09.2015. |
| 9. Approval of Technical Sanction for revised estimate and drawing (if any) | : | N.A. |
| 10. Authority executing the work | : | Executive Engineer – I, New Town Kolkata Development Authority |
| 11. Nature of work (Deposit work / Regular work) | : | Regular Work |
| 12. Source of Fund | : | General Fund. |
| 13. Chargeable Head of Account | : | 412 – 30 - 14 |

Administrative Approval is accorded subject to the following conditions:-

- Prior approval of the New Town Kolkata Development Authority is required to be obtained in case of incurring excess expenditure necessitating preparation of Revised Estimate with detailed justification.
- Expenditure is to be restricted to Budget Grant of the year.

Sd/-

Chief Executive Officer

New Town Kolkata Development Authority

Date:- 16.10.2015

Memo No:- 6135 /1(4) /NKDA/Engg – 506/2014

Copy forwarded for information and necessary action to:

- Chief Engineer, New Town Kolkata Development Authority.
- Finance Officer, New Town Kolkata Development Authority.
- Assistant Engineer – I, New Town Kolkata Development Authority.
- Estimator/ Sri P.C. Das & Sri C.Sengupta, Sr. Accountant / Cashier, New Town Kolkata Development Authority.

Executive Engineer – I

New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132, 2706-2351, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org

4.23. Proposal mandating Senior Citizen's involvement for community education through physical and virtual classroom



By KarmYog for 21st Century Foundation

The Background:

In July 2015, **KarmYog for the 21st Century Foundation (KarmYog21C)**—a reputed NGO committed to the professional and personal development of mankind through meaningful education—

embarked on a unique experimental program in association with HIDCO in New Town, Kolkata.

The purpose of the experiment was to develop a **green educational platform based on the**

convergence of philanthropy, technology and entrepreneurship that would serve every section of the society.

Small, irregular tracts of contiguous land sandwiched between Bagjola Canal and residential plots in

Action Area 1 of NewTown were being rapidly encroached by those at the bottom of the economic

pyramid of the fast developing city. HIDCO leased several small pieces of such land that could not be

used for planned urban infrastructure on easy terms, for developing nurseries and green belts.

KarmYog21C leased several of these plots with the intention of developing a pilot for a 'Smart Green

Village' at the heart of the future Smart City.

Just 4 months later—stewarded by pioneering educationist and creator of award-winning

OmniDELTM system of education Shri sourabh J. sarkar—"KarmYog Greens: a smart village for smart people" is getting ready to open its doors to citizens of New Town.

Not only has it arrested the threat of these otherwise unusable tracts of land from falling prey to

encroachers and slum dwellers, but has converted unhygienic refuse of garbage piles into a green

oasis that is fostering a new era in meaningful mass education.

What started as an experimental pilot project has laid the foundation for being scaled up to a green

laboratory that will continuously explore, develop and add **layers of smartness** as cities search for

sustainable solutions for some of the toughest problems faced by emerging urban communities.

Tracts of irregular shaped, garbage-filled and otherwise unusable canal banks that were fast turning into

slums, have been converted into a green oasis for exploring smart solutions for a smart city

The Proposal:

In concomitance with the Mission Statement and Guidelines for Smart Cities, we now propose to

take the HIDCO-KarmYog21C association forward and extend the "KarmYog Green Village" and

create smaller units that are **embedded within neighborhoods** across the length and breadth of

NewTown. Since the concept is based on the proven and scalable **OmniDEL™** model, it will be easy

to replicate this in other smart cities across the country.

Plots earmarked as green-verges and/or irregular plots of land along the banks of the many canals

within NewTown will be used to establish cement-free green villages. These will serve as learning

hubs or conservatories as found in cities of developed countries. They will also facilitate the creation

of **Communities of Learning & Development that will promote citizen involvement** in the

continuous endeavor to design smart solutions for a smart city.

The use of the **OmniDEL™** (Omni Dimensionally Engaging Learning), recently awarded the best

learning methodology by National Skill Development Corporation, will bring **state of the art teleeducation technology** without compromising the essential element of **human-touch**.

The KarmYog Village will include *Green Trade Facilitation Counters* and *Micro R&D Labs* for nurturing

and commercializing indigenous horticulture, kitchen-farming as well a variety of other fields such as

visual and performing arts. This will help local talent—especially bottom-of-pyramid children and

young adults whose families had given-up their farm-land—to **develop skills, competencies and**

engage in a process of earning a decent livelihood. It will also help them integrate with the process of urban development in a meaningful manner.

Beyond the economic and material dimension, the experiential and hands-on educational village will

nurture everlasting human values by focusing on the three areas of development:

1. **Vocational Skills** for employability and enlightened livelihood

2. **Performing-arts & Crafts** for recreation & entertainment transcending commerce & competition

3. **Wellness and Lifestyle** for individual and social sustainability

Within the Village, the community will embody the very essence of sustainable and inclusive growth,

upholding truly green modes of mobility, sanitation and solid waste management. Affordable

dwelling, smart production and consumption patterns, self-induced and technology aided safety and

security measures will be part and parcel of each KarmYog Green Village unit. Despite being a village

in spirit, it will use the most modern technologies, systems and processes to govern and manage the

affairs of the community. It will bring together the best from both sides of the rural and urban divide

and help to eradicate the boundary between the two.

Key Outcomes:

- Establish KarmYog Green Village units as hubs for Learning and Development that will provide an on-the-ground template that will constantly influence citizens to explore ways to provide themselves and each other a decent quality of life along with clean and sustainable environment.
- Set an example that will influence public opinion around sustainable and inclusive growth. This will create a replicable model which will act as a light-house to other aspiring cities.
- Specifically, over 15,000 of the poorest in and around New Town will participate in a “livelihood, lifestyle and social hygiene” program over a 3 year period, that will improve their capacity to live better lives individually, in their families, in their communities and become models of how to be more constructive with the environment.

What KarmYog requires from HIDCO:

- Leasing of Green-verges or other unusable land to KarmYog on easy terms, with the mandate to facilitate the development of the Green Village units.
- Basic infrastructure, safety and security measures in terms of street-lighting and access facilities along the canal bank areas around the Green-Village units.
- Facilitation for services such as water, sanitation, electricity, statuo-legal licenses and approvals from the local civic authorities.
- Financial subsidy either as grant or Loan on easy terms to cover the seed-funding needs for setting up the Green Villages. As per the pilot project implemented, it has been observed that a minimum sum of Rs. 25 Lacs per unit (0.5 acre of land) is needed as a seed fund for operationalizing The KarmYog Green Village.

The Green Village serves as a learning hub which connects disparate sections of society via the convergence of philanthropy, technology and micro-entrepreneurship

KarmYog Credentials:

Strong local standing: one of the first technology development organizations start operations from Sector-V, Salt Lake in 1996.

Pioneers of using technology and multimedia for mass education: First organization from India to develop ADL (Americal Defence Laboratory) compliant Learning Management System, in 2001.

Global experience: Provided multimedia based learning solutions to over 300 companies across 4 continents during the last 20 years.

Official partner of National Skill Development Corporation (NSDC): Received funding from NSDC for applying **OmniDELTM** methodology in the Education sector. Recipient of the Best Pedagogy Award from NSDC in 2014.

Recipient of \$1M grant from the Tata Trusts for further development of **OmniDELTM** and use it for education in the areas of indigenous horticulture & farming, vocational skills, dignity of labor, health and hygiene.

Established Indian Idol Academy as an exclusive global partner of Fremantle Media. This is the world's first technology based academy for music and singing and has already attracted thousands of learners across 60 cities around India through KarmYog21C's Certified Mentor Network.

Stellar leadership & management team: The KarmYog21C Ecosystem is led by IIT alumnus and eminent educationist shri. sourabh J. sarkar. He is supported by a committed management team as well as advisors, angel investors and donors from around the globe.

Successfully implemented pilot Green Village: Provides alternative to slum expansion, provides environment for poor to learn new livelihood and lifestyle skills, pathway to better social hygiene.

Gardeners attending an OmniDEL session in the KarmYog Green Village. State of the art technology along with

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Gardeners attending an OmniDEL session in the KarmYog Green Village. State of the art technology along with

About OmniDEL™

OmniDEL™ or Omni-Dimensionally Engaged Learning supports a unique approach to education and training... It is a comprehensive Learner Engagement Platform that harnesses the best from every pedagogic model: eastern, western, traditional & modern.

An **OmniDEL™** program integrates the 4 most important aspects of learning and development:

- Engagement: learners & experts
- Technology: hardware and software
- Content: multimedia for individual and group learning
- Distribution: mass to niche

The Learner engagement in an **OmniDEL™** learning sessions multi-dimensional: physical, *praanic* (energetic), mental & spiritual. Learning-ware is designed and developed to ensure that the learner and expert can engage using all the aspects of their being.

The Technology platform that facilitates the **OmniDEL™** approach includes Learning & Content Management System (LCMS), a Performance & Competency Management System (PCMS), Tab-based Mentoring (TBM) and Smartphone Apps to support every stage of learning and development.

The Content of an **OmniDEL™** learning-ware includes a range of interactive multimedia based modules that are specially designed to facilitate both individual and group learning experiences. The best of Animation, Graphics, Digital Audio & Video is used to bring alive experts and their expertise.

The Distribution model of an **OmniDEL™** learning program is a hybrid of technology components and human competencies. A network of franchisees and mentors across geographies use the state of the art technology and learning-ware to provide a holistic yet scalable learning experience to every learner.

KarmYog Media & Arts Education Network brings in the power of OmniDEL™ which integrates the four most important aspects of learning.

LEARNER: Physical, Praanic, Mental, Spiritual

TECHNOLOGY: LMS, CMS, PMS, Virtual classroom, Tablet, Smartphone, Laptop, TV, Radio

CAREER: Ganakal, Micro Junction, Macro Junction, Micro Junction on Wheels, Learning at Home

CONTENT: Learn from Legends, Synthesized Curriculum, Rich Multimedia, Best Teachers

It makes learning Scalable & Effective, harnessing the bests from every pedagogic field - Traditional, Modern, Western and Eastern.

sourabh J sarkar
Creator of OmniDEL™

OmniDEL™ – with its suite of technologies, learning-ware and processes—supports the entire cycle of learning & development: from Jaagaran (awakening) to Jijnasa (discovery) to Adhyayan (study) to Saadhana (practice).

This platform has been used to successfully scale learning across diverse subjects to a wide spectrum of learners... It is catering to the learning needs of different age groups and different socio-economic categories.

Widely accepted as a game-changer, it harnesses the best of technology without compromising the vital human touch

4.24. Proposal from IIT Kharagpur for participatory governance using analytics

The Perspective

Participatory governance can be defined as institutional processes that allow citizens to participate in decision-making processes through voting, or in similar ways, and exercise voice. Ideally this would result in the state implementing policies that would better reflect the needs of its citizens. However, before the age of Internet, its scope was limited mostly to local governance as it was not possible to scale up. With the advent of the Internet, it became possible to support the application of participatory methods to national and global governance.

Social media is far harder to control and collectively far more honest than the traditional media outlets (newspaper and TV). As a result it can facilitate openness and transparency, perhaps even more so than the traditional mainstream outlets. Social media not only facilitated but perhaps even imposed good governance by ensuring transparency and accountability. It's also a channel to reach much faster to a large volume of citizen with minimal cost and effort.

The Challenges

Chaotic: Social media is by its very nature, fragmented, diverse, and disorganized. Social media today is widely dispersed and highly differentiated. It is an amalgam of different services/ websites such as Facebook.com, Twitter.com, YouTube, Flickr, Google Buzz as well as real time feed aggregators such as FriendFeed. Social media is also available on different platforms such as mobile and PC, both with different set of attributes.

Huge: In the US alone, 75% of the online population uses social media. Social media data is constantly growing – both social networking sites and blogging sites grew by around 50% in the last year and time spent grew by 82% (Nielsen study). The size of social media, taken as a whole, can be overwhelming. As of June 2010, there are 65 million tweets per day. Facebook chat usage is currently over 1 billion messages per day.

Free: As there are no filters on social media, it is spontaneous, honest and hard to control. This can make social media data valuable for improved governance but can also pose some problems as there will be lots of data that are incorrect, misleading or spam.

Collectively good but individually unreliable: Partially due to the lack of filtering and controls, there is a large variation in the reliability and quality of the data. As a collective source, social media data can be reliable, but individual sources vary enormously in quality.

Unstructured (Data): Spontaneity and first hand feedback, makes social media data completely unstructured, but with full of valuable insights. Biggest challenge is to make this data structured and use it to solve real life problems of the people. Technologies to make sense of social data to make it usable

Natural Language Processing (NLP) is a statistical technique, through which machine can process large amount of unstructured text/comment/tweet and bring out the actual meaning/insight in a structured manner

From huge volume of unstructured feedback, NLP will help Government to have a structured bird eye view about different aspects (Police, Transportation, Healthcare, Water, Road etc) of city and citizen sentiment (positive, negative, neutral) about each of these aspects

Moreover, it is less prone to human error/biasness, as it will be completely processed by machine in an automated way

Description of the Technology

Xpresso is the proprietary NLP engine from Abzooba, designed to bring out deep and nuanced human sentiment and expression from large gamut of unstructured data.

The next generation natural language understanding engine powered by deep learning, that provides deeper and more granular insights from any kind of unstructured text available in digital format. XPRESSO has ability to understand the nuances of human expressions and discover the aspects/categories from the unstructured text, and the sentiment, and emotions associated with the different aspects. XPRESSO combines breakthrough innovation and state-of-the-art technologies and tools to provide accuracies of over 85%. The core research group is headed by alumnus is Stanford University, and its team members consists of experts in their respective fields from premier institutions like Stanford, Berkeley, and IITs in India.

What will it do

XPRESSO extracts actionable information from any unstructured text in digital format. Domain agnostic due to some of its features. Ability to work with a high volume, velocity and variety of data from disparate sources. It provides a structured Json output pluggable to any visualization tool or any other work flow management application. It will provide one view of trending topic and sentiment around it, by ingesting data from disparate sources.

XPRESSO is able to (machine) learn the relevant entities and their hierarchical relationships for any new domain in an unsupervised way. This is a key strength that allows XPRESSO to be customized for multiple new domains in very short periods of time, and at relatively small costs

Following is couple of examples to demonstrate Xpresso capability –

- “Washbasin” is part of a washroom / toilet – it can pick up

It can differentiate between – “This washer uses a lot of power” (negative), “and has a lot of power” (positive)

Potential Benefits

Using Xpresso, Government can use social media as an alternate channel to identify citizen sentiment for corrective measures and better governance. Also, they can use this as an early warning system to anticipate issues related to citizen welfare.

Government can view real time insights about different aspects of city like Transport, Healthcare, and Safety from social conversation around the city and relate citizen sentiment and expression with same. This will help authority to take actions on alarming issues. It can really act as an early warning system for corrective measures.

Government can have a bird-eye view about the citizen sentiment (which they express on social media) about different aspects like Police, Traffic, Road, and Healthcare. If any of these aspects have higher percentage of negative sentiment or large number of complaints, Authority can drill down to view the exact complaint made by the citizen and take appropriate action.

4.25. Proposal from Uber for implementing Smart Mobility for New Town Kolkata

U B E R

To,
Debashis Sen, IAS
Principal Secretary
Urban Development Department
Government of West Bengal

Date: 3 December 2015

Respected Sir,

SUBJECT: ANNEXURE TO SMART MOBILITY MEMORANDUM OF UNDERSTANDING BETWEEN UBER B.V.
AND THE HON'BLE GOVERNMENT OF WEST BENGAL

We thank you for this opportunity to partner with the Hon'ble Government of West Bengal to promote smart mobility within the state. We are certain that our partnership will not only help better business within the state but will also contribute greatly to the development of urban planning and smart mobility services within the state of West Bengal.

Uber is a technology company that provides a mobile application that allows riders to connect with licensed transportation providers registered on Uber's platform for the provision of transportation services directly to riders. Uber is operational in over 360 cities in 66 countries, and provides a platform for hundreds of thousands of its independent driver-partners registered on the Uber platform to earn a meaningful livelihood as a result of its business. Uber currently functions in 22 cities across India, with Chandigarh being a principal city. Since its entry into Chandigarh and based on the data it has collected over the last two years, Uber has determined a great potential in the state to create economic opportunities for thousands of drivers to earn income on Uber's platform, and for the implementation of a well-organised peer-to-peer ridesharing service within the state.

- A. Uber understands that a connected population is beneficial in terms of not only keeping citizens involved in state action but also to increase knowledge, awareness and training in terms of use of technology in the state. In view of this, Uber wishes to turn Kolkata into a "Smart City" and would like to work with the Government to create smarter ways for riders to access Uber.
- B. Given the growth of its business in Kolkata and throughout India, Uber is considering increasing its operations further in the State of West Bengal. Uber is keen to partner with the Government of West Bengal to increase business opportunities within the state and to actively engage in the economic development and support smart mobility initiatives of West Bengal.
- C. Uber will aim to make significant economic contributions in West Bengal over the next five years through: (i) increase of its full time employment in its offices within West Bengal; (ii) generating approximately 40,000 (forty five thousand) driver partner entrepreneurship opportunities for drivers within the state of West Bengal, including those candidates that are enrolled and trained at motor driving skills training programs operated by the Government of West Bengal; and (iii) increasing the number of cities in West Bengal in which it will commence operations. This will significantly increase Uber's operations and presence in the state of West Bengal and will also assist in the creation of a large number of contract based livelihood

opportunities for people from the state of West Bengal.

In furtherance of Uber's vision to foster technological innovations and smart mobility, Uber wishes to introduce ridesharing services (peer-to-peer transportation using private vehicles) in the State of West Bengal. Within an agreed-upon timeframe upon execution of the MOU. Uber, with the support of the Government, will roll out certain innovative projects to promote the ideologies of smart mobility.

I. UBER'S PROPOSAL TO THE GOVERNMENT OF WEST BENGAL

A. Uber's Contribution to Smart Mobility

B. Uber's Contribution to Smart Mobility and Economic Contributions to State of West Bengal:

Uber proposes to contribute INR 50 Crores (Rupees Fifty Crores) to the increase of its business operations and assist in the economic development of the state of West Bengal. The Economic Contribution will be utilised for, but will not be limited to, the following broad purposes:

- a. Uber understands that a connected population is beneficial in terms of not only keeping citizens involved in state action but also to increase knowledge, awareness and training in terms of use of technology in the state. In view of this, Uber wishes to turn Kolkata into a "Smart City". Uber, with the support of the Government, will roll out certain innovative projects to promote the ideologies of smart mobility including but not limited to the following:
 - i. Uber would commit to working with the Government in furtherance of the Ghati Dhara Scheme to connect unemployed youth, women and people from socially marginalized communities to connect them to vehicle financing, and guarantee placement on our platform and to create micro-entrepreneurship opportunities.
 - ii. Uber Wifi: Enhance connectivity of citizens by providing riders with high-speed wifi during their Uber trips.
 - iii. Uber will assist the Government with predictive analysis.
 - iv. Peer to Peer Ridesharing: Launch peer to peer ridesharing services (using personal vehicles) in cities of West Bengal including but not limited to New Town, Kolkata, and Bidhannagar to promote car-sharing.
 - v. UberPool: Launch UberPool to promote safe carpooling on a large scale, which can help reduce congestion in the city.
 - vi. Uber will consider implementing innovative IT-based products and services such as UberEats and/or UberRush within the state of West Bengal.
 - vii. In partnership with the Government, provide first-mile/last-mile connectivity and multi-nodal integration with existing public transportation infrastructure, such as metro rails.
- b. Generation of approximately 40,000 (forty five thousand) driver partner entrepreneurship opportunities for new drivers within the state of West Bengal over the next 5 (five) years from the date of the MoU;

- c. Increase of full time employment with Uber by creating approximately 40 full time equivalent employment opportunities over the next 5 (five) years from the date of the MoU;
- d. In collaboration with the Government of West Bengal, Uber will assist the Government of West Bengal in the preparation, and finalisation of framework regulations for IT-Based Technology Transportation platforms that may be considered and implemented by the Government of West Bengal;
- e. In collaboration with the Government of West Bengal, Uber will assist the Government of West Bengal in the preparation, and finalisation of framework regulations for peer-to-peer ridesharing programmes that may be considered and implemented by the Government of West Bengal.

II. CONDITIONS WHICH UBER IS COMMITTED TO ADHERE TO

Uber is committed to adhering the following conditions and technicalities:-

A. Profile of Uber

- 1) Uber must be a registered entity under the laws of India.
- 2) Uber, an on demand transportation technology platform, will be a digital intermediary/marketplace that canvasses or solicits for a passenger to connect with a driver satisfying the necessary eligibility conditions and operating a validly registered vehicle under the laws of India and will be compliant with all applicable regulations prescribed under the Motor Vehicles Act as applicable and the Information Technology Act, 2000, including the intermediary guidelines.
- 4) Uber may provide various transportation options on its platform including taxi services, carpooling or ridesharing services.
- 5) Uber shall accept only rides booked through the Aggregator Platform and shall not solicit or accept street-hails.

B. Other General Conditions Uber is Committed to Adhere to.

Uber is committed to adhere to the following conditions for Administrative purposes:-

- a) Provide an address within the area of operation in the jurisdiction of the State Transport Department for registered service of process along with details of Office in
- b) Maintain accurate and up-to-date Records as described in subsection 2(h) and 2(j) of this part, of all of the drivers and driver vehicles from the State using the Uber's on-demand transportation technology platform and to make them available on demand to the State Transport Authority.

c) Provide a list of drivers from the State using the on-demand technology transportation platform, including the full name of the driver, driver license number, the vehicle registration number and the chassis and engine number to the Transport Department on a quarterly basis.

d) Ensure that drivers using an Uber's on demand transportation technology aggregator platform must maintain compliance with the Permit conditions of the vehicle being operated by drivers using the Uber's on-demand transportation platform.

2) In order to promote passenger safety, Uber will :

a) Ensure that the mobile application to connect drivers to riders displays for the passenger a clear picture of the driver and a picture or description (including license plate number) of the vehicle and such other details that allows the rider to verify that the driver of the vehicle is person whose details the rider has received via the on demand technology transportation aggregator.

b) Develop and include a feature in the mobile application that provides riders the ability to share their location with a minimum 2 number of persons within their safety

c) Develop and include a feature in the mobile application that gives riders the ability to contact local police in case of an emergency.

d) Enable the driver to be connected to the data network of on demand technology transportation aggregators platform whenever the driver or vehicle is available on a Uber's on-demand transportation technology platform including from when a trip is booked to when a trip ends.

e) Enable data transfer of the location of vehicle, vehicle and driver to the data network of the Central or State Government whenever demanded.

f) Verify the criminal background of each driver wishing to use the on-demand transportation technology platform.

g) Verify vehicle information registered on the on-demand transportation technology platform with the information available with the Ministry of Road, Transport and Highways and or the State Transport Department on an annual basis.

h) Ensure that each driver partner registered on the Aggregator platform maintains adequate insurance covering for third party risks as prescribed from time to time under the applicable laws of India.

i) Obtain the following up-to-date records relating to the driver:

i) a photograph of the driver;

ii) the driver's driving license;

iii) the driver's vehicle license plate number;

iv) current home address of the driver;

- v) RBI KYC bank account details of the driver; and
- vi) Driver's contact information.
- vii) Self attested EPIC card, PAN card.
- viii) Residential address proof of the driver.
- ix) Contact details and address of two family members.
- j) Obtain the following up-to-date records relating to the driver's vehicle including its certification of registration as prescribed under the applicable laws of India, and Permit or any other document as prescribed and issued under the applicable laws of India, which may include, but not limited to, an All India Tourist Permit or a State Tourist Permit as the case may be;
- k) Have the ability to track the real-time GPS location of the vehicles that make themselves available for duty on the Uber's on-demand transportation technology
- l) Uber will ensure every Registered Vehicle on its platform should be of good condition and 8 years of age or less and shall have a safety inspection conducted annually by Uber or a third party with requisite expertise before being used to provide transportation services on Uber's platform. The Registered Vehicle must be equipped with the applicable standard safety equipment prescribed under the relevant laws of India, including the first aid box containing material as may be prescribed from time to time by the competent authority.
- 3) In the event of an incident of a criminal nature involving a trip booked through Uber's on-demand transportation technology platform, Uber will immediately inform and cooperate with relevant authorities upon lawful request.
- 4) Uber will establish a policy of zero tolerance for discrimination or discriminatory conduct while a driver is logged into the on-demand mobile application. Discriminatory conduct may include:
 - i) refusal of service;
 - ii) using derogatory or harassing language directed at passenger; or
 - iii) rating passenger on the basis of sex, race, caste, creed, religion, or nationality.
- 5) Uber shall upon receiving a written complaint from a passenger submitted through regular mail or electronic means containing a reasonable allegation that the driver from the State using the on demand transportation technology platform violated the zero tolerance policy for discrimination be immediately suspended, for the duration of the investigation by Uber.
- 6) A driver shall not refuse to provide service to an individual with a disability solely because the individual's disability results in appearance or involuntary behavior that may offend, annoy, or inconvenience the driver or another person.

a) However, it shall not constitute discrimination under this paragraph for a driver to refuse to provide service to an individual with disabilities due to violent, seriously disruptive, or illegal conduct by the individual(s).

7) Uber will implement a zero tolerance policy on the use of drugs or alcohol applicable to any driver provide notice of the zero tolerance policy on its website, as well as the procedures to report a complaint about a driver with whom the passenger was matched and for whom the passenger reasonably suspects was under the influence of drugs or alcohol during the course of the ride, and immediately deactivate said driver's access to the platform upon receipt of a passenger complaint alleging a violation of the zero tolerance policy. The suspension shall last the duration of the investigation by Uber.

III. FACILITATION AND SUPPORT FROM THE GOVERNMENT OF WEST BENGAL

Considering that Uber B.V. proposes to create economic opportunities for project value of Rs. 50 crores and provide employment to approximately 40 Full Time Employees and 40,000 independent driver-partners, and provide new initiatives to promote smart mobility, we understand that the Government of West Bengal will offer following support after signing of the MoU:

- a. Identify, draft and execute a framework for on-demand transportation technology aggregators, and take other actions if necessary, which permits ridesharing (peer to peer transportation using private vehicles), within four (4) weeks of the signing of the MoU. In the interim period, Uber will voluntarily adopt the practices outlined in Section II.
- b. Examine and provide Uber with favourable treatment for Uber's proposed economic contribution into West Bengal, this would include available concessions for real estate, taxes/local levies, electricity and other utility charges as well as other concessions for making economic contributions to the State made available by Government of West Bengal to other companies looking to contribute to the economic growth within the State of West Bengal.
- c. Will examine and promote the reduction of barriers to entry for drivers such as the one year requirement to obtain a commercial badge for those drivers who graduate from motor driving skills training programs operated by the Government of West Bengal, wishing to obtain said commercial permits and are from minority or Marginalized Sectors of Society.
- d. May consider facilitating the speedy grant of any and all licenses, registrations and legal compliances required to be obtained by Uber.

Uber would again like to take this opportunity to thank Your Hon'ble Self for providing us with your valuable guidance and assistance in this regard. Uber wishes to express its excitement and gratefulness in being provided with the opportunity to work with the Hon'ble Government of West Bengal in the future.

Thanking You,

Yours sincerely,

Kiran Vivekananda
Head of Public Policy
Uber India

GO for introduction of Bike Taxi in New Town

FROM : UDDKOLKATA
FROM : MR. ACC. TRANSPORT.

FAX NO. : 91 33 23347880
FAX NO. : 033 22623406

05 Apr. 2016 15:28 P 1
05 Apr. 2016 15:28 P 001

Alapan Bandyopadhyay, IAS



Principal Secretary
Transport Department
Government of West Bengal
Parikshita Bhawan
12, R. N. Mukherjee Road, Kolkata-700 001
Ph. : 2262 5404/05, Fax : 2262 5406

D.O. No.52-PSTD/2016

Date : 05/04/2016

Dear *Debashis - da,*


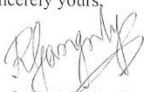
The proposal for introduction of motor-cycle-taxis / bike-taxis has been discussed and, in principle, it has been found to be legally acceptable, subject, of course, to strict observance of certain guidelines / conditions governing such use. It is proposed that the same may be introduced for the areas under NKDA, as a pilot project. A draft set of guidelines / conditions has been prepared and annexed for your kind consideration and opinions, if any. Once your views are received, the formal orders / notifications may be issued from this Department.

With regards,

Alapan
Yours sincerely,
(Alapan Bandyopadhyay)

Sri Debashis Sen, IAS
Additional Chief Secretary
Urban Development Department
Govt. of West Bengal
&
Chairman, NKDA

4.26. Cover letter of Proposal by University of Engineering & Management, Kolkata-for conversion of organic waste

 <p>UNIVERSITY OF ENGINEERING & MANAGEMENT University Area, Plot No. III - B/5, Main Arterial Road, New Town, Action Area - III, Kolkata-700156, WB, India City Office - 'ASHRAM', GN-34/2, Salt Lake Electronics Complex, Kolkata - 700 091, WB, INDIA (Established by Act XXV of 2014 of Govt. of West Bengal & recognised by UGC, Ministry of HRD, Govt. of India)</p>	<p>Ph. (Office): 91 33 2357 7645 : 91 33 2357 2965 Admissions: 91 33 2357 2055 Fax : 91 33 2357 8302 E-mail : vc@uem.edu.in Website : www.uem.edu.in</p>
<p>Ref. No. UEM/NKDA/2015/01</p>	<p>Dated: December 2, 2015</p>
<p>To, The Chairman. Newtown Kolkata Development Authority Newtown, Kolkata.</p>	
<p>Sub: Submission of Project Proposal on "Organic Waste Conversion" for NKDA</p>	
<p>Dear Sir,</p>	
<p>As per discussion with you, please find enclosed the relevant project proposal.</p>	
<p>We would be highly obliged if it is considered for implementation. Please feel free to seek clarification on any aspect of the project.</p>	
<p>It would be a great honour for our University to be associated with you in the development of Newtown as a smart city.</p>	
<p>Thanking you.</p>	
<p>Sincerely yours,</p>	
	
<p>Prof. (Dr.) Rajiv Ganguly. Dean</p>	
<p>Mob: 98300 93876 Email: rajivganguly72@gmail.com</p>	
<p><i>Encl : As above</i></p>	
<p>Other institutes of the Group University of Engineering & Management (UEM), Jaipur - 6 Km. from Chomu on Sikar Road (NH-11), Udaipur- Mod, Jaipur-303807, Rajasthan Institute of Engineering & Management (IEM) - Salt Lake Electronics Complex, Sector - V, Kolkata - 700 091, West Bengal</p>	

4.27. Proposal from WEBEL for Smart Parking

Ref no. 5136 dt 11/11/15
Pr. Secy

Webel
opportunities infinite

CEO NKDA
[Signature]

(41)
S/1
30/11

West Bengal Electronics Industry Development Corporation Limited

Webel Bhavan, Block - EP & GP, Sector V, Bidhan Nagar, Salt Lake, Kolkata - 700 091
Phone : +91 33 2339 2234/228/327/316 • Fax : +91 33 2357 1739/1708 • e-mail : contact@webel-india.com

01:WEBEL:130:15:1135

(CIN : U52209WB1974SGC029237)

20 November 2015

The Principal Secretary
Urban Development Department
Government of West Bengal
Nagarayan Bhavan
Salt Lake
Kolkata 700064



Urban Development Dept.
U/O No. 1272 (1272)
Dt. 1/12/2015

Sir,

Reference to my discussion with you regarding solution and proposal on Smart Parking to contain revenue leakage.

Please find enclosed Solution document for your kind perusal.

With regards,

Yours sincerely,

[Signature]

UPENDER JIT SINGH
MANAGING DIRECTOR

IMP
AO-E
Gbi
01/12/15

Enc. As above



Smart Parking Solution at Eco Park, New Town

West Bengal Electronics Industry Development Corporation Limited

Webel Bhavan
Block - EP & GP,
Sector - V, Salt Lake,
Kolkata - 700 091



“PDA-DEVICE BASED CAR PARKING SYSTEM”

BRIEF DESCRIPTION OF THE SYSTEM:

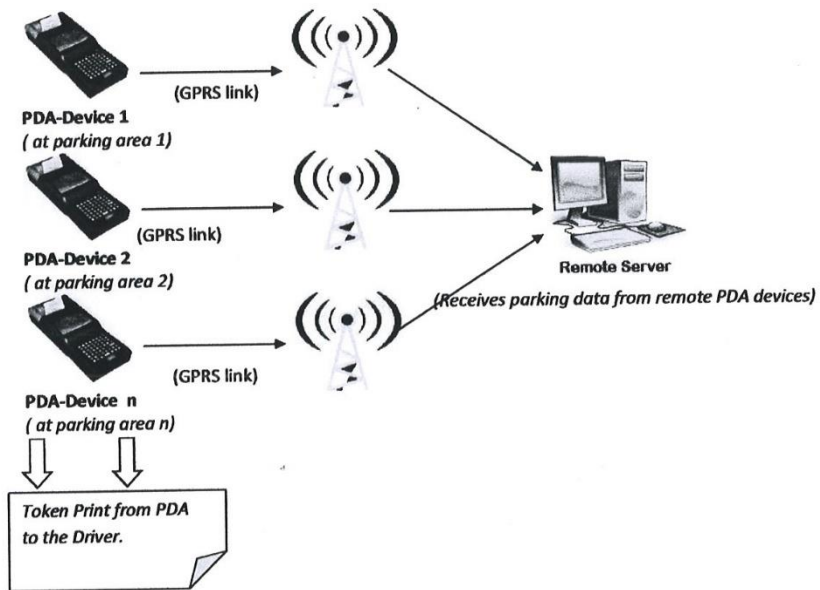
- Car comes to the Parking area. The parking boy enter the data like car number, car type(date time auto pickup)in the device.
- The data is stored into memory of PDA-device. At the time of exit of the data is updated into the device and a Token is printed out from the PDA-Device. The same data is sent to the remote Server through GPRS.
- The stored data can be viewed as a report from any computer/mobile from anywhere by a website , accessing the remote Server and a printout of the report is possible.



“PDA-DEVICE BASED CAR PARKING SYSTEM”

❖ USE CASE DIAGRAM FOR PDA-DEVICE BASED CAR PARKING SYSTEM:

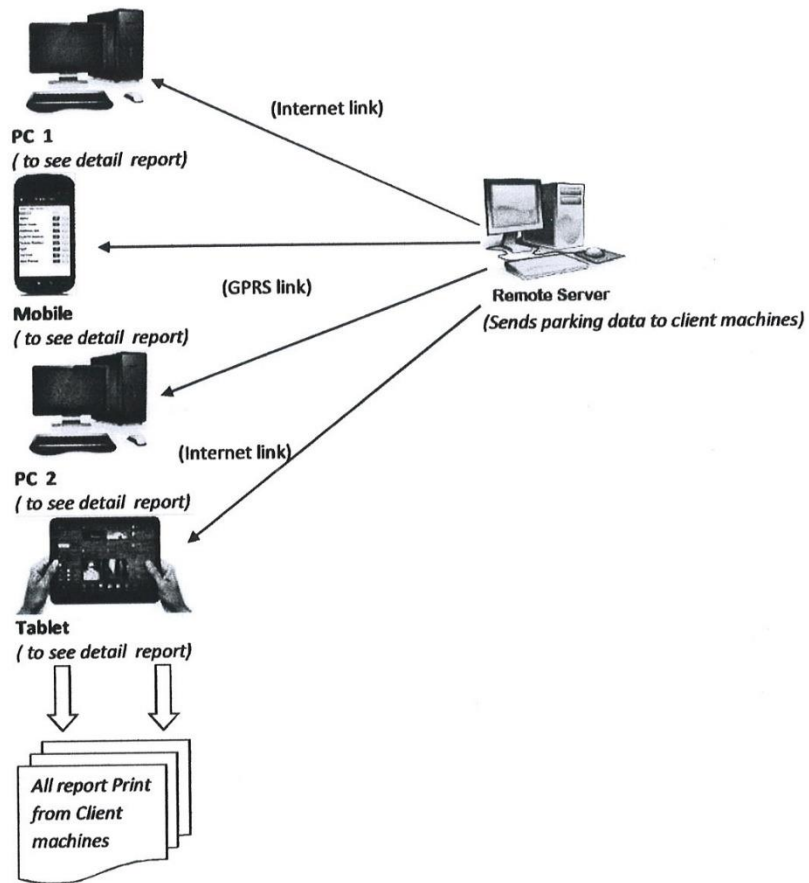
STEP 1: Parking control boy Inserts car number , date-time etc. of the Car in the PDA-Device. The device stores data in it's in built memory & sendsto remote Server also through GPRS.





“PDA-DEVICE BASED CAR PARKING SYSTEM”

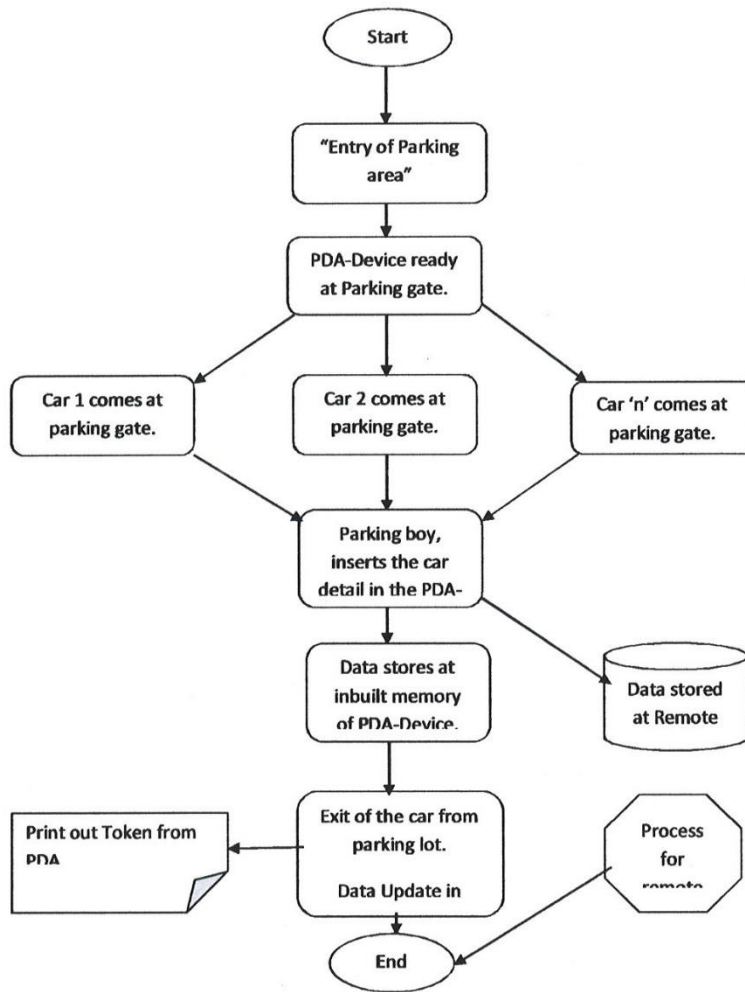
STEP2: Manager can see the detail report, take print out of car parking from anywhere , any time through Mobile/PC/Tablet by accessing the Server, using username & password.





“PDA-DEVICE BASED CAR PARKING SYSTEM”

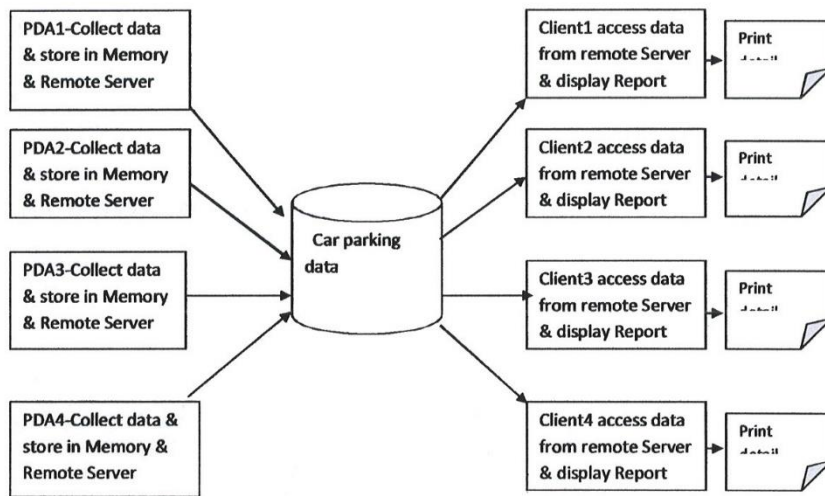
❖ FLOW OF THE OVERALL SYSTEM FOR PDA-DEVICE BASED CAR PARKING:





“PDA-DEVICE BASED CAR PARKING SYSTEM”

❖ SYSTEM BLOCK DIAGRAM WITH DATA STORE:





“PDA-DEVICE BASED CAR PARKING SYSTEM”

❖ ELECTRONICS GATE IMPLEMENTATION:-

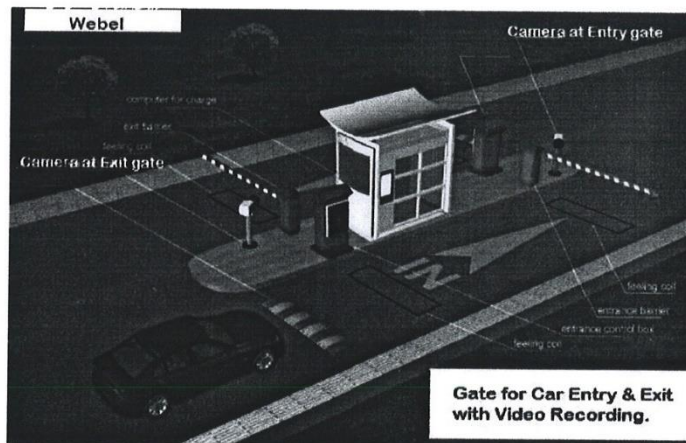
Step 1: The car comes at parking gate.

Step 2: Video capture is started.

Step3: Parking boy enters the detail data in to PDA device & opens the gate (it can be fully automatically by Ir-Sensor) & video capture of the car with number plate will be started automatically for few seconds.

Step 4: Driver wants to exit from the parking lot after some time.

Step5: Parking boy collects payments through the PDA Device & opens the gate (it can be fully automatically by Ir-Sensor) & video capture of the car with number plate will be started automatically for few seconds.



“Picture shows the Electric Gate open & close with video recording facility.”



“PDA-DEVICE BASED CAR PARKING SYSTEM”

↓ **OUR EXPERIENCE & ACHIEVEMENT AT PARKING SOLUTION AT – NKDA, Kolkata:-**

We are already experienced & successfully installed the PDA based car parking system at NKDA(NEW TOWEN KOLKATA DEVELOPMENT AUTHORITY,Kolkata). It's already running at Axismall , Newtown , Kolkata and many other places. The sample Device is shown bellow-



We have successfully installed this parking system and are maintaining the same at various parking areas of NKDA.



Webel
opportunities infinite

“PDA-DEVICE BASED CAR PARKING SYSTEM”

↓ **REQUEST FOR INFORMATION :**

To give a commercial proposal we would need the following information

- Parking open hours
- Total static capacity (maximum number of parked vehicles)
- Average flow (number of vehicles per hour)
- Peak flow expected
- Number of entry and exit gates

Thank You

4.28. Letter highlighting Airtel's proposal for setting up Wi-Fi in Mother's Wax Museum

Bharti Airtel Ltd.
GP Tronics Building,
Y17, Block EP, Sector - V,
Saltlake Electronics Complex,
Kolkata - 700 091

www.airtel.in
Call +91 33 40073127
Fax +91 33 40060078



7th December, 2015

Chairman.
NKDA
NewTown . Kolkata

Sub : POC for Wi Fi at Mother's Wax Museum .

Dear Sir,

Greetings from Airtel !!!

This is in reference to the discussion with you, we are planning to do Wi Fi at Mother's Wax Museum.

We have done the survey and we will get back to you shortly on the next plan of action.

Assuring best service at all times.

For Bharti Airtel Ltd,

A handwritten signature in black ink, appearing to read "Sujit Mitra".

Sujit Mitra.
Manger
Mobile : 9163064002

4.29. Contract and Agreement with IIT Kharagpur for developing Bi-cycle Track Plan

CIN : U70101WB1990SC0039276



o/c

No. 1047/HIDCO/Plng/666/2015

Date – 21.12.2015

To
Dr. Debapratim Pandit
Associate Professor,
Department of Architecture and Regional Planning,
Indian Institute of Technology, Kharagpur,
Kharagpur-721302

Sub: Work Order for Consultancy Services on Cycle Hire System in Action Area-I in New Town, Kolkata.

Sir,
In continuation to your letter dated 28.11.2015 accepting the offer of WBHIDCO to take up the above mentioned work for Rs 24,00,000.00 (Rupees Twenty Four Lacs) only inclusive of all taxes and upon signing of the Agreement between your Institute and WBHIDCO in this regard, you are formally engaged as Consultant for the said work. You are now requested to take up the work immediately as per terms and conditions mentioned in the said Agreement and also as per details of the project given below.

1. Scope of Work

The Scope of Work includes the following:-

- 1.1) Recommend with reason, the alignment of cycle tracks.
- 1.2) Prepare cycle track design.
- 1.3) Recommend the location of cycle stations, repair kit, kiosk etc.
- 1.4) Prepare construction drawings, specification and Bill of Quantities of all civil works.
- 1.5) Prepare specification and B.O.Q. and act as Hand Holding in selection of appropriate implementing agency on quality control and financial control for cycle stations, repair kit, kiosk etc.
- 1.6) Recommend payment system through E-wallet.
- 1.7) Recommend anti-theft solution.
- 1.8) Recommend mode of day to day operation and maintenance of the system.
- 1.9) Recommend on cycle circulation mechanism which would include methods to retrieve cycles back to their original destination.
- 1.10) Prepare overall phase wise cost benefit analysis as per technology adopted.

*Received.
Debapratim Pandit.*

Page 1 of 3

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

(A Govt. of West Bengal Undertaking)

"HIDCO BHABAN", Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156
Telephone : (033) 2324-6037/6038, Fax No. : (033) 2324-3016/6009, e-mail : housing@cal2.vsnl.net.in / wbhidcoltd@gmail.com,
Website : www.wbhidcoltd.com

CIN : U70101WB1999SG0003278



2. Fees Payable :-

All payments would be made to I.I.T., Kharagpur directly **through NEFT / RTGS**. For this purpose, a copy of the **Vendor Registration Form is enclosed which is to be duly filled up and submitted**. The total payment would be Rs. 24,00,000/- (Rupees twenty four lakhs only) inclusive of all taxes as Consultancy fee in accordance with the following stages of work.

- 2.1) Initiation of project along with Project Report. : 15% of the total fee
- 2.2) On completion of survey and submission of survey results : 15% of the total fee
- 2.3) On presentation, submission and approval from WBHIDCO of the design of cycle track, cycle stations, repair kit, kiosk etc. : 20 % of total fee.
- 2.4) On presentation and submission of software designs relating to cycle hire system including E-wallet, anti –theft, etc. : 15% of the total fee.
- 2.5) On submission on tender documents on all civil works including all related working drawing: 10 % of the total fee
- 2.6) On submission on tender documents including fit for construction drawings on cycle stations, repair kit, kiosk etc. and recommending agency for implementation. : 10% of the total fee.
- 2.7) Submission on recommendation on operation and maintenance and on cycle circulation system : 10 % of the total fee
- 2.8) Submission of the report on cost benefit analysis : 5% of the total fee.

3. Execution of the Assignment

- 3.1) The total completion time of the assignment shall be 6 (Six) months from the date of Work Order.
- 3.2) The Consultant shall supply to the client, free of cost up to 3 (Three) sets of Drawing in Hard copy and also in Soft copy.
- 3.3) The Consultant shall not make any deviations, alternations or omissions from the approval Drawings without prior consent of client.
- 3.4) The Consultant shall exercise all reasonable skill, care and diligence in the discharge of his duties and shall exercise such general superintendence and inspection as may be necessary to ensure that works are being executed in accordance with the conditions of contract.
- 3.5) Any professional services to be rendered by the Consultant at the instance of terms of Client after the agreed Project completion period shall be compensated for on mutually agreed terms.

Page 2 of 3

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

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“HIDCO BHABAN”, Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156
Telephone : (033) 2324-6037/6038, Fax No. : (033) 2324-3016/6009, e-mail : housing@cal2.vsnl.net.in / wbhidcoltd@gmail.com,
Website : www.wbhidcoltd.com

CIN : U70101WB1999SGC068278



4. Client's Roles & Responsibilities

The Client shall discharge all his obligations connected with the project and engagement of the Consultant as follows :

- 4.1) To Provide detailed requirements of the project.
- 4.2) To provide layout of plots, existing road sections and other related information. In case such information is not readily available, the Client shall facilitate for the survey / collection of necessary information.
- 4.3) To facilitate specific condition / Statutory stipulations / codes of Practice/Schedule of rates, etc., desired to be followed.
- 4.4) To pay the fees, levies security deposits and expenses in respect of statutory sanction.
- 4.5) In the event the project is abandoned partly or fully and the services rendered by the Consultant thereof are abandoned or suspended by WBHIDCO, the Consultant shall be paid for services actually rendered up to such stage of abandonment.

You are requested to take up the work immediately.

Yours faithfully,


Chief Planner

No. 1047/1(4)/HIDCO/Plng/666/2015

Date - 21.12.2015

Copy forwarded for information to :-

- 1) Executive Director (Engg), WBHIDCO
- 2) Joint Managing Director (Administration), WBHIDCO
- 3) Chief Finance Officer, WBHIDCO
- 4) Technical Secretary & OSD to Chairman, WBHIDCO


Chief Planner

Page 3 of 3

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(A Govt. of West Bengal Undertaking)

"HIDCO BHABAN", Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156
Telephone : (033) 2324-6037/6038, Fax No. : (033) 2324-3016/6009, e-mail : housing@cal2.vsnl.net.in / wbhidcoltd@gmail.com,
Website : www.wbhidcoltd.com



পশ্চিমবঙ্গ পশ্চিম বঙ্গাল WEST BENGAL

U 998736

AGREEMENT

"This Agreement made on this 18th Day of December 2015 between WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED A State Govt. Company incorporated under the Companies Act, 1956 (Act 1 of 1956) being Planning Authority as appointed by the State Govt. vide order no. 1490/HI/HGN/NTP/IM-I/98 dated 14th September, 1999 in respect of the Planning Area declared as such under Notification No. 1423/HI/HGN/NTP/IM-I/98 dated 27th August, 1999 hereinafter referred to as WBHIDCO Ltd. / Client having its registered office at HIDCO BHABAN, Premises No. 35 – 1111, (Major Arterial Road), 3rd Rotary, New Town, Kolkata – 700156 represented by Managing Director or Joint Managing Director/ Chief Planner / General Manager (Admn) / General Manager (Mktg.) of the said State Govt. Company who is so authorized by the Managing director for the purpose of execution of this Agreement hereinafter referred to as the 'Client' of the FIRST PART ", AND The Indian Institute of Technology, Kharagpur, Kharagpur-721302 an internationally recognized premier Institute of the country [represented through its Dean, Sponsored Research and Industrial Consultancy (SRIC)] which expression shall where the context so admits includes its successors and permitted assigns hereinafter called the "CONSULTANT" of the second part. WHEREAS West Bengal Housing Infrastructure Development Corporation Limited (WBHIDCO LTD.) has agreed to engage Indian Institute of Technology (I.I.T.), Kharagpur,

Page 1 of 7

Kharagpur-721302 as the CONSULTANT for such a Project for providing the Consultancy services for Planning, Designing and recommending appropriate agency on Cycle Hire System in Action Area-I at New Town, Kolkata have mutually agreed upon and accepted the General Condition of Contract.

Now this agreement witnesses that in presence of the intention, the Consultant shall carryout Consultancy Services for Planning, Designing and recommending appropriate agency on Cycle Hire System in Action Area-I at New Town as per the scope of services mentioned in the letter no.875/HIDCO/PInG/666/2015 dated 03.11.2015

issued by the West Bengal Housing Infrastructure Development Corporation Limited (WB HIDCO LTD.) on the following agreed General Conditions of Contract :-

GENERAL CONDITIONS OF CONTRACT

General Provisions:

Definitions:

Unless the context otherwise requires, the following items whenever used in this Contract have the following meanings.

- a. "Applicable law" mean the law and any other instruments having the force of law in India, as they may be issued and in force from time to time to effectuate the Contract;
- b. "WB HIDCO LTD" means West Bengal Housing Infrastructure Development Corporation Limited.
- c. "Contract" means the document signed by the parties, to which these General conditions are attached, together with all the related documents of such signed Contract including appended schedule.
- d. "The Consultant" means the consultant who is appointed by West Bengal Housing Infrastructure Development Corporation Limited as a result of the selection process described in the EOI documents.
- e. "Effective Date" means the date on which this contract comes into force and effect.
- f. "GC" means these General conditions of Contract.
- g. "Personnel" means persons employed with the or by the Consultant or Authorised person assigned for the performance of the services or any part thereof.
- h. "Party" means the West Bengal Housing Infrastructure Development Corporation or the Consultant as the case may be and parties mean both of them.
- i. "Project" means the project as defined in the Terms of Reference, which forms integral part of the Contract signed between West Bengal Housing Infrastructure Development Corporation and Consultant.

Page 2 of 7



- j. "Services" means the work to be performed by the Consultant pursuant to this Contract for the purpose of the Project.
- k. "Terms of Reference" means Terms of Reference which forms integral part of the Contract signed between West Bengal Housing Infrastructure Development Corporation and project Consultant.
- l. "Third Party" means any person or entity other than the West Bengal Housing Infrastructure Development Corporation Limited, the Consultant or Sub-Consultant.
- m. "Local currency" means the currency in Indian Rupees.
- n. "EOI" means Expression of Interest.
- o. "DPR" means Detail Project Report.
- p. "BOQ" means Bill of Quantities.

1. **Scope of Work**

The Scope of Work includes the following :-

- 1.1) Recommend with reason, the alignment of cycle tracks.
- 1.2) Prepare cycle track design.
- 1.3) Recommend the location of cycle stations, repair kit, kiosk, etc.
- 1.4) Prepare construction drawings, specification and Bill of Quantities of all civil works.
- 1.5) Prepare specification and B.O.Q. and act as Hand Holding in selection of appropriate implementing agency on quality control and financial control for cycle stations, repair kit, kiosk, etc.
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- 1.7) Recommend anti-theft solution.
- 1.8) Recommend mode of day to day operation and maintenance of the system.
- 1.9) Recommend on cycle circulation mechanism which would include methods to retrieve cycles back to their original destination.
- 1.10) Prepare overall phase wise cost benefit analysis as per technology adopted.

2. **Fees Payable : -**

All payments would be made to I.I.T., Kharagpur directly. The total payment would be Rs. 24,00,000/- (Rupees twenty four lakhs only) inclusive of all taxes as Consultancy fee in accordance with the following stages of work.

- 2.1) Initiation of project along with Project Report: 15% of the total fee
- 2.2) On completion of survey and submission of survey results: 15% of the total fee
- 2.3) On presentation, submission and approval from WBHIDCO of the design of cycle track, cycle stations, repair kit, kiosk, etc. : 20 % of total fee.



- 2.4) On presentation and submission of software designs relating to cycle hire system including E-wallet, anti –theft, etc. : 15% of the total fee.
- 2.5) On submission on tender documents on all civil works including all related working drawing: 10 % of the total fee
- 2.6) On submission on tender documents including fit for construction drawings on cycle stations, repair kit, kiosk, etc. and recommending agency for implementation. :10% of the total fee.
- 2.7) Submission on recommendation on operation and maintenance and on cycle circulation system : 10 % of the total fee
- 2.8) Submission of the report on cost benefit analysis : 5% of the total fee.

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- 4.2) The Consultant shall supply to the client, free of cost upto to 3 (Three) sets of Drawing in Hard copy and also in Soft copy.
- 4.3) The Consultant shall not make any deviations, alternations or omissions from the approval Drawings without prior consent of client.
- 4.4) The Consultant shall exercise all reasonable skill, care and diligence in the discharge of his duties and shall exercise such general superintendence and inspection as may be necessary to ensure that works are being executed in accordance with the conditions of contract.
- 4.5) Any professional services to be rendered by the Consultant at the instance of terms of Client after the agreed Project completion period shall be compensated for on mutually agreed terms.

5. CLIENT'S ROLE AND RESPONSIBILITIES :

The Client shall discharge all his obligations connected with the project and engagement of the Consultant as follows :

- 5.1) To Provide detailed requirements of the project.
- 5.2) To provide layoutof plots,existing road sections and other related information.In



case such information is not readily available, the Client shall facilitate for the survey / collection of necessary information.

- 5.3) To facilitate specific condition / Statutory stipulations / codes of Practice/Schedule of rates, etc., desired to be followed.
- 5.4) To pay the fees, levies security deposits and expenses in respect of statutory sanction.
- 5.5) In the event the project is abandoned partly or fully and the services rendered by the Consultant thereof are abandoned or suspended by WBHIDCO, the Consultant shall be paid for services actually rendered up to such stage of abandonment.

6. INTERPRETATION

In case of any ambiguity or difficulty in the interpretation of the Conditions of Engagement, the interpretation of the WB HIDCO LTD shall be final and binding on the Consultant.

7. ARBITRATION

Any dispute between the parties shall be resolved by mutual discussions. Unresolved disputes or differences which may arise between the Client and the Consultant under "Conditions of Engagement and Scale of Charges" with regard to the meaning or interpretation or matter or things done or to be done in pursuance hereof, such disputes and differences shall be referred for resolution to a panel consisting of Chairman, WB HIDCO Ltd. AND Director, I.I.T. Kharagpur. If the dispute cannot be resolved by the said panel, the matter shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1966. The venue of arbitration will be Kolkata. The decision of the arbitrator shall be binding on both parties. This Agreement shall be construed, governed and enforced in accordance with the laws of India and subject to "The Jurisdiction of the courts in Kolkata shall prevail. The




language of communication including the medium for documentation shall always be only in English”.

8. No consequential Damages and Limit of Liability

Notwithstanding any provision in this Agreement to the contrary, under no circumstances shall a party hereto shall be willfully liable to another party hereto for loss of profits or revenue, loss of use, cost of alternate arrangement, loss of capital or other similar item of loss or damage or for any consequential, special or indirect loss or damage and each party hereby release the other therefrom.

Notwithstanding any provision in this Agreement to the contrary, the maximum total cumulative liability of the Consultant to the Client under this Agreement for all claims, losses, damages and expenses in any way arising from or related to the performance of the Agreement shall be the costs of re-performing the part of the Services causing of such claims, losses, damages and expenses, or a sum equal to the amount of his fees received under this Agreement, whichever is the lesser.

Signatures:


प्रो. सुनंदो दासगुप्ता
Prof. Sunande DasGupta
संकायाध्यक्ष/Dean
अनुसन्धित शोध एवं औद्योगिक सल्लाहकारिता
Sponsored Research & Industrial Consultancy
प. प्र. सं. बड्ढापुर-७२१३०२ / I.I.T. Kharagpur - 721302


P. B. Bhattacharya
Chief Planner
W. B. Housing Infrastructure Development Corporation Ltd
THIRD BHABAN 35-1111, Major Arter
3rd Rotary, New Town, Kolkata-700 150

Witnesses:






एस. के. बिस्वास
S. K. Biswas
चरित प्रशासनिक अधिकारी (वित्त एवं परि.)
Sr. Administrative Officer (F & PM)
अनुसन्धित शोध एवं औद्योगिक सल्लाहकारिता
Sponsored Research & Industrial Consultancy
प. प्र. सं. बड्ढापुर-७२१३०२ / I.I.T. Kharagpur - 721302



4.30. Letter highlighting coverage of LED lights in New Town



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Date: 07/12/15

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

LED Lights

Percentage replacement of conventional lights with LED lights: 34% (1387 of 4088)

Rana 07/12/15

Superintending Engineer

New Town Kolkata Development Authority

Superintending Engineer (M & E)
New Town Kolkata Development Authority
03 MAR, Kolkata-700156

Phone : 033-2324-2324 / 2132 / 2148, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org

4.31. Letter on the Gateway to Kolkata Project confirming the location along with picture

E:\Backup June 11 2014\Documents\SULAY [P.A.]My Document (2011)\NEW TOWN GATE (July 2015)\Report for Gate.doc

New Town Gate on Biswa Bangla Sarani, New Town, Kolkata.”

The state of Art Gate at New Town will be constructed in the 3rd Rotary in front of HIDCO Bhaban at New Town, Kolkata.

- This gate will be a unique signature structure and will establish an emblem of New Town, Kolkata. There will be two bowstring girders joining at the middle at a height of 55m from road level.
- The foot step of the four arch beams will rest on green verge of the intersection of 3rd Rotary. There will be a hanging corridor at a height of 25m from road level of size 4.00m x 3.50m (high) made of structural steel which is unique features of the Gate.
- The ring will house the cafeteria and other outlets like souvenir shop etc. people have free walk through the corridor. The ring corridor will be totally A.C.
- There will be a stair at two arches to climb up to the ring and one lift of Glass facia to climb up to 25m. The ring will be made of the Glass structural glazing on one side to have a look through from a height of 25m and aesthetic PVDF cladding on the other side of the ring along with covering the top.
- There will be a globe rotating centrally from top with the signage of Biswa Bangla.
- Entire structure will be specially illuminated as a signature structure.

Forwarded to SMD

AA
4/12/15

Sanjay Jm
04/12/15



4.32. One time Environmental Clearance for entire New Town Kolkata

BY MASSENGER

(For internal circulation only)

Sl. No. 04462
NOC

WEST BENGAL POLLUTION CONTROL BOARD
Paribesh Bhawan
10A, Block—L.A, Sector—III
Salt Lake, Calcutta 700 091

Dated.....31.8.99

Memo No. ~~175~~ 175/WPB-NOC/99-2000

From:
Member Secretary,
West Bengal Pollution Control Board

To: Sri Sanjay Mitra
Spl. Secretary
Housing Department Govt. of West Bengal
New Secretariate Building, 1, K.S. Roy Road
Calcutta-700001, Environmental Point of View

Sub: Consent to Establish (NOC) Dated.....19.05.99
Ref: Your letter No.NIL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s
New Town, Calcutta Project,
for manufacturing/storage/installation
Action Area-I as indicated in Drawing No5 of the Project Report of
HIDCO dated May 1999, Rajarhat, Dt. 24 Parganas (N)
at
this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the
above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS 2490 (pt.1) of 1974; and or its subsequent amendment and Environment (Protection) Rules, 1986;
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above;
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the Water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board;
4. All emissions from your factory shall conform to the standards as laid down by this Board;
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control of Pollution) Act, 1981;
6. No industrial plant, furnace, flues, chimneys control equipment etc. shall be constructed/reconstructed/erected/

All Communication to Government should give the Number, Date and Subject of any previous Correspondence and be addressed to the Secretary of the Department concerned.

Government of West Bengal

Department of Environment
4, Park Street, 2nd Floor, Calcutta - 700 001
Phone: 033-2420031, 2106024, 2110480, Fax: 033-220 7152

No. : ENP/ 14W-8/99 (Pt.-I)

Dated : 20th March, 2001

From : The Special Secretary to the Government of West Bengal

Shri Sanjoy Mitra,
Special Secretary, Housing Department,
Government of West Bengal &
Managing Director, HIDCO,
Salt Lake Stadium Complex,
Gate No.3, Sector - III, Salt Lake,
Calcutta-700 091

Subject: Environment Clearance of Action Area II of the proposed New Town, Calcutta at Rajarhat.

Sir,

I am directed to refer to your letter no.114/HIDCO/plng/27/99/1337 dated 21-09-2000 and subsequent communications regarding the subject mentioned above. The proposal involves development of Action Area II of a total area of 740 ha of land within the proposed New Town, Calcutta at Rajarhat. The proposal was referred to the State Level Expert Committee for Environment Impact Assessment for environment clearance and the Committee has recommended environment clearance for the proposed development of Action Area II. The Department of Environment after due examination of the relevant papers and the recommendation of the Expert Committee accords environment clearance of the proposed development of Action Area II of the New Town, Calcutta at Rajarhat subject to the strict compliance of the conditions mentioned below :

Adv
M
0/13

A. Specific Condition:

- 1) The Project Authority (PA) should regularly sprinkle water around vulnerable areas of the construction site in a suitable method to control propagation of fugitive dust
- 2) Rehabilitation and resettlement should be done in accordance with the norms of Govt. of India and the Govt. of West Bengal
- 3) To ensure proper drainage facilities improvement work of Bagjola Khal should be taken up simultaneously with the development of the proposed Township. The Project Authority should keep close contact with the Irrigation and Waterways Department for the said purpose. The project Authority should contribute an amount of Rs.30 crores from the funds earmarked for development of AA II to the I&W Directorate for Bagjola khal improvement works. This is in addition to the amount for AA I.
- 4) It should be ensured that the waste water generated from various sources would be adequately treated before discharging into the nearby canals like Bagjola and Kestopur Khal. The treated effluent should conform to the stipulated standards specified by the WBPCB.
- 5) Solid waste generated should be scientifically managed and disposed in the secured landfill. Separate management for bio-medical waste should be made as per the existing rules. In the initial stage leachate may be conveyed by a tanker to a

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65

All Communication to Government
Should give the Number, Date and
Subject at any previous Correspondence
and be addressed to the Secretary
of the Department concerned

Government of West Bengal

Department of Environment
4, Fairlie Place, 2nd Floor, Calcutta - 700 001
Phone : 033-2420031, 2106024, 2210480, Fax : 033-220 7852

No. EN/P/90 /4W-8/99(Pt.II)

Dated : January 30th, 2003

From : The Joint Secretary

To : The Special Secretary,
Housing Department
Government of West Bengal &
Managing Director, HIDCO,
Salt Lake Stadium Complex,
Gate No. 3, Sector -III, Salt Lake,
Kolkata - 700 091

Imp.
GM(T&CP)
3/4/03

Subject : Environmental Clearance of the Remaining Area (other than Action Area I and Action Area II) of the proposed New Town, Kolkata Project.

Sir,

I am directed to refer to your letter no. 285/HIDCO/PLNG.27/99/8122 dated 28.5.02 and subsequent communications regarding the subject mentioned above. The proposal involves the development of the remaining area measuring about 1713 hectares (other than the Action Area I measuring 622 hectares and Action Area II measuring 740 hectares, the total area of the project being about 3075 hectares) located at Rajarhat P.S. in North 24 Parganas and Bhangar P.S. in South 24 Parganas. The proposal was referred to the State Level Expert Committee for Environmental Impact Assessment for examination. The Committee has recommended the environmental clearance of the proposed development for the remaining area. In terms of Notification No. 4897-A.R. dated 8th December, 1986 of the Government of West Bengal, the Department of Environment after due examination of the relevant papers and the recommendations of the Expert Committee accords environmental clearance to the proposed development of the remaining area of the New Town, Kolkata, subject to the strict compliance of the conditions mentioned below :

A. Specific Condition :

1. Regular sprinkling of water around vulnerable areas of the construction site in a suitable manner to control propagation of suspended particulate matter may be undertaken.
2. Rehabilitation and resettlement should be done in accordance with the norms of the State Government.

Cont.....

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4.33. Notification by NTECSL/WBSEDCL for Time-of-the-day-Tariff for electricity for Commercial



NEW TOWN ELECTRIC SUPPLY COMPANY LIMITED

(A JOINT VENTURE OF WBSEDCL & WBHIDCO LTD.)

FRANCHISEE of W. B. State Electricity Distribution Co. Ltd.

Memo No. 5759 / BULK GENERAL / NTECSL

Dated: 09.12.2015

To:
The Chief Executive Officer
New Town Kolkata Development Authority
03 MAR, New Town
Kolkata – 700156

Sub: TOD METER
Ref: Your email dt. 09.12.2015

Dear Sir:

It is to inform you that we are using TOD Meters for our Bulk Consumers who are interested to avail TOD Tariff. At present we are giving TOD Tariff in 3 Slabs – Day Normal Hours, from Morning to Evening (i.e. in the summer season – 06.00 hrs to 18.00 hrs and in the winter season it is 06.00 hours to 17.00 hours). After that it is evening peak hours TOD Tariff (i.e. 18.00 hours to 23.00 hours in the summer and 17.00 hours to 22.00 hours in the winter) and after that i.e. from 22.00 hrs/23.00 hrs to 06.00 hours it is Night Lean Hours. In the 3rd phase i.e. in the Night Lean Hours the tariff is lower than the other time.

Hence, to enjoy lower Tariff Bulk Consumers are interested for such tariff of TOD Meters. It is optional to the Bulk Consumers whether they will enjoy TOD meter facilities or not.

This is for your information please.

Yours faithfully;

P. P. Biswas
29.12.2015
(P P Biswas)

Managing Director

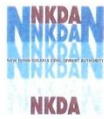
Registered Office & Electric Supply Office :

09-024, M.A.R. New Town, Rajarhat, Kolkata - 700 156, Phone : 033 2324 0061 / 64 / 67
CIN : U40109 WB 2003 PLC 096966

Administrative Office :

"FINANCE CENTRE", 2nd floor, CBD, Plot No. 1, Action Area - II, New Town, Rajarhat, Kolkata - 700 156
Phone : 033 2324 4615
Tele-Fax : 033 2324 4840, e-mail : ntesc@yahoo.com

4.34. Letter from NKDA confirming the relevant data used for answering questions 1, 2 and 3 of City profile



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Date : 07/12/2015

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Attendance of functionaries

- Number of employees in NKDA – 180
- Biometric attendance system has been introduced in 2014
- 100% attendance (other than sanctioned leave) of all its officers and staff over the last three years

e-Governance and administration

- Number of citizen meets in a year – 12 to 15
- NKDA has (i) Online Grievance Redressal Mechanism (ii) Online Citizen Feedback forum (iii) Citizen SMS services for key activities (iv) m-Governance system, (v) Online Management Information System wherein data related to various activities like Building Plan Sanctioning, Engineering Work etc., undertaken can be updated and the progress viewed by the Senior Management since 2014
- More than 8500 mobile numbers registered for SMS service
- Information available on NKDA website:
 - o Building Plan Sanction, Trade License, Occupancy Certificate /Post Occupancy Certificate of Buildings, Mutation, Water Supply, Maintenance of Roads, Street light, Birth & Death Registration, Collection and disposal of Solid waste, Engineering Works, Permission for Advertisement, Traffic Signaling, Community Markets, Community Toilets, Community Parks
- Percentage of death certificates issued in FY 15 through electronic means: 142
- License for Trade, Profession and Calling establishment in FY 15 by electronic means: 637
- Percentage of occupancy / completion certificate provided through electronic means: 103753

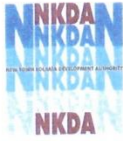
Innovative interventions

Intervention	Year of Implementation
mGovernance	2014
Pneumatic Solid Waste Management on a pilot basis (for Eco-Park)	Tender floated in 2015


Administrative Officer

New Town Kolkata Development Authority
&
Administrative Officer
New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132 / 2148, 18003451571
Fax : 033-2324-2147
Website : www.nkdamar.org



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Date: 03/12/2015

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Non-Residential Units in New Town

- IT / Finance / Telecom companies – 78
- Hospitality units – 116
- Government Offices – 30
- Commercial establishments including IT/ Finance/ Retail / Engineering / Government offices (number): Greater than 1200
- Institutional/ Commercial building: 61
- Cultural/ Recreational Centers (numbers): 16
- Haats / Melas (number per year): 14
- Theme parks / Parks (number)/Playground: 23



Estate Manager-II 03/12/15

New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132 / 2148, 18003451571
Fax : 033-2324-2147
Website : www.nkdamar.org



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Date: 03/12/2015

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Building Plan Approval

Building Plan approval process is online and requires 30 days (average) and has been the same between F.Y 12-13 and F.Y 14-15

Year	No. of Building plans sanctioned
F.Y 12-13	334
F.Y 13-14	394
F.Y 14-15	438

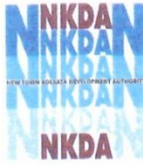
A handwritten signature in blue ink, appearing to read 'S. Chatterjee', is written over a faint, larger version of the signature.

Chief Architect

New Town Kolkata Development Authority

SUKRIT CHATTERJEE
Chief Architect
New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132 / 2148, 18003451571
Fax : 033-2324-2147
Website : www.nkdamar.org



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Date:

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Innovative interventions

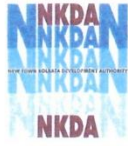
Wi-Fi across the MAR by WBHIDCO	2015
Online ticketing for Eco-Park by WBHIDCO	2015


Administrative Officer-I

New Town Kolkata Development Authority



Phone : 033-2324-2324 / 2132 / 2148, 18003451571
Fax : 033-2324-2147
Website : www.nkdamar.org



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Medical facilities

- Existing – 2, (Tata Cancer Research Centre, Ohio Specialty Hospital)
- Planned - Dr. Lal pathlabs Pvt. Ltd., Suraksha Diagnostic Pvt Ltd., Nabodiganta Swasthya, ariseba Pvt. Ltd., Ruby Developers & Constructors Ltd., AMRI Hospital Ltd., Alo Eye Core Pvt. Ltd., Park Hospitals, Disha Eye Hospitals & Research Centre Pvt. Ltd., Eko Diagnostic Pvt. Ltd., Global Sunrise Medi Services Private Ltd., Metro Blood Bank, Institute Of Pulmacare & Research, Daradia-The Pain Clinic, Medical Research, Foundation (Sankara Netralaya).

Education facilities

- Existing – 6 - Techno India College, Delhi Public School , Aliah University, State Govt College, New Town School, University of engineering and management
- Planned - Presidency University, Ramakrishna Mission Centre of Excellence, Belle-Vue Nursing College, WBPDCI Training Institute, Amity University, Rabindra Bharati University, Netaji Subhas Open University, Ganguly Educational Society, Bhawanipor Gujrati Education Society, Amri Nursing College, Al Ameen Mission Trust, Shewtambar Engineering College, IISWBM, Institute of Chartered Accountants, IILM Foundation, Savitri Education Foundation, Chhaya Prakasani, Army Welfare Education Society, WBSEDCL Staff Training Centre, Institute of Engineering and Management, State Govt Vocational Institute, MM Educational Research Foundation, SBI Management Academy, State Social Welfare School, Judicial academy.

Para-transit modes

- Number of battery driven vehicles: 85
- Number of Autos: 200


Estate Manager-II 15.12.15

New Town Kolkata Development Authority

Phone : 033-2324-2324 / 2132 / 2148, 18003451571

Fax : 033-2324-2147

Website : www.nkdamar.org

4.35. Letter from HIDCO confirming the relevant data used for answering questions 1, 2 and 3 of City profile

CIN : U70101WB1309960099278



Date: 07.12.2015

TO WHOEVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Land Use

- Residential land use allowed in Central Business District: 49% (Government Order 1121-UD/O/M/HID/41-3/2011, dated 8th April 2015)
- Proportion of HIG and MIG / LIG Residences: 50:50 (Govt. Order No. 2287-UD/O/M/HID/5M-36/2014, dated 14th July, 2015)
- Land use Pattern: Residential – 42%, Commercial – 10.6%, IT Zone- 4.95%, Social Infrastructure – 10.54%, Industrial Zone – 0.24%, Open Spaces and Water bodies – 28%, Utilities & Services – 4.54%
- Provision of home office – upto 40% of residential space may be used as office space (Govt. Order No. 2287-UD/O/M/HID/5M-36/2014, dated 14th July, 2015)

Area

- A.AI – 677 Ha
- A.AII -1310 Ha
- A.AIII - 783 Ha
- CBD – 182 Ha
- Water Treatment Plant – 45 Ha
- Garbage Disposal Centre – 90 Ha

Population Density

Planned density for New Town: 324 person /Ha (10 lakhs population over an area of 3087 Ha)

Housing

- Proportion of HIG and MIG/ LIG Residences : 50:50
- The EWS dwelling units and R & R plots combined – 2783
- HIDCO has planned Construction of 2000 EWS dwelling units in the next 5 years

Roads & Footpaths

- Percentage of planned city area with pavements : 80%
- Percentage of the cross section of main roads that are footpaths : 30%
- Percentage of the cross section of internal roads that are footpaths : 50%
- Average width of existing footpaths : 3-5.5 metres

LED Lights

Percentage replacement of conventional lights with LED lights: 34% (1387 of 4088)

Bus Routes

- Plies 30 buses on 3 routes


Chief Planner

WEST BENGAL HOUSING INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

(A Govt. of West Bengal Undertaking)

“HIDCO BHABAN”, Premises No.: 35 - 1111, Major Arterial Road, 3rd Rotary, New Town, Kolkata-700156
Telephone : (033) 2324-6037/6038, Fax No. : (033) 2324-3016/6009, e-mail : housing@cal2.vsnl.net.in / wbhidcoltd@gmail.com,
Website : www.wbhidcoltd.com

4.36. Letter from NTECSCL confirming the relevant data used for answering questions 1, 2 and 3 of City profile

RJ.M. SIFB



*

NEW TOWN ELECTRIC SUPPLY COMPANY LIMITED

(A JOINT VENTURE OF WBSIEDCL & WBHIDCO LTD.)

FRANCHISEE of W. B. State Electricity Distribution Co. Ltd.

Memo No. 5710 / WBHIDCO / NTECS

Date: 02.12.2015

To:
The Chief Executive Officer
New Town Kolkata Development Authority
3, Major Arterial Road
Kolkata – 700156
Email address: ceonkda@gmail.com

Sub: Submission of Data i.r.o. Smart City
Ref: Your email dt.02.12.15

Imp
A.O.P.
C.B.
S.B./M.W.

Dear Sir:

As desired, we are enclosing herewith the Certified Data relating to the Smart City proposal for New Town Kolkata for your perusal please.

Thanking you,

Encl: As above.

Yours faithfully:

(P P Biswas)
2/12/15
Managing Director

Registered Office & Electric Supply Office :

09-024, M.A.R. New Town, Rajarhat, Kolkata - 700 156, Phone : 033 2324 0061 / 64 / 67
CIN : U40109 WB 2003 PLC 096966

Administrative Office :

"FINANCE CENTRE", 2nd floor, CBD, Plot No. 1, Action Area - II, New Town, Rajarhat, Kolkata - 700 156
Phone : 033 2324 4615
Tele-Fax : 033 2324 4840, e-mail : ntesc@yahoo.com



NEW TOWN ELECTRIC SUPPLY COMPANY LIMITED

(A JOINT VENTURE OF WBSEDCL & WBHIDCO LTD.)

FRANCHISEE of W. B. State Electricity Distribution Co. Ltd.

Date: 02.12.2015

NO-5710/WBHIDCO/NTESCL.

TO WHOEVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Power Supply

New Town Kolkata supplies 24/7 uninterrupted Grid based power to 100% of its population

- Frequency of scheduled outages - once in 6 months
- Percentage energy generated from renewable sources - 1%

Sl. No	Criteria	F.Y 12-13			F.Y 13-14			F.Y 14-15			Remarks
		A.A-I	A.A-II	A.A-III	A.A-I	A.A-II	A.A-III	A.A-I	A.A-II	A.A-III	
1.	No. of postpaid connections(L&MV)	5729	874	1410	6540	1005	1611	8550	1304	2189	12043
2.	No. of pre-paid connections(L&MV)	5047	793	1170	7353	1123	1839	9199	1416	2271	12886
3.	No. of Construction Connections(L&MV)	441	6	0	713	17	0	987	22	3	Serial No. 3 are all Post Paid and serial no. 3,4, 5 & 5(a) are already covered under serial no. 1 & 2
4.	No. of Residential Connections(L&MV)	9613	1430	2277	12404	2082	3444	14949	2648	4445	22042
5.	No. of Commercial Connections(L&MV)	175	15	0	236	29	6	285	50	12	347
5(a).	Others L&MV Connections	547	216	303	540	0	0	1528	0	0	1528

Cont. to Page-2

Registered Office & Electric Supply Office :

09-024, M.A.R. New Town, Rajarhat, Kolkata - 700 156, Phone : 033 2324 0061 / 64 / 67
CIN : U40109 WB 2003 PLC 096966

Administrative Office :

"FINANCE CENTRE", 2nd floor, CBD, Plot No. 1, Action Area - II, New Town, Rajarhat, Kolkata - 700 156
Phone : 033 2324 4615
Tele-Fax : 033 2324 4840, e-mail : ntesc@yahoo.com



NEW TOWN ELECTRIC SUPPLY COMPANY LIMITED

(A JOINT VENTURE OF WBSSEDCL & WBHIDCO LTD.)

FRANCHISEE of W. B. State Electricity Distribution Co. Ltd.

Page-2

Sl. No	Criteria	F.Y 12-13	F.Y 13-14	F.Y 14-15	Remarks
6.	No. of Industrial/ IT Offices Connections (Bulk)	1 (As on 31.08.2015) Bulk			
6(a)	Others Bulk Connection	190(As on 31.08.2015)			
7.	T&D losses (Cumulative)				
8.	AT&C losses (%) Cumulative		4.68 % as on 31.03.2014	5.55 % As on 31.03.2015	2.57% as on 31.08.2015
9.	No. of Net Metering Connections (for renewable energy sources)	1) Effected at Eco Tourism Park, Action Area-II(500 KW) at 11 KV on 28.04.2015 (2) Effected at RajyaKarigari Kendra, Action Area-IIIB (100 KW) at 11 KV on 25.07.2015 (3) Effected at Grid Connected Rooftop solar PV Power plant of NKDA, Action Area-IA(12 KW) at L&MV through CT Metering on 21.03.2015 (4) Effected at SmritiBan, Action Area-IB(10 KW) at L&MV on 22.04.2015			

P.P. Biswas
02.12.2015

(P.P. Biswas)
MD, NTESCL

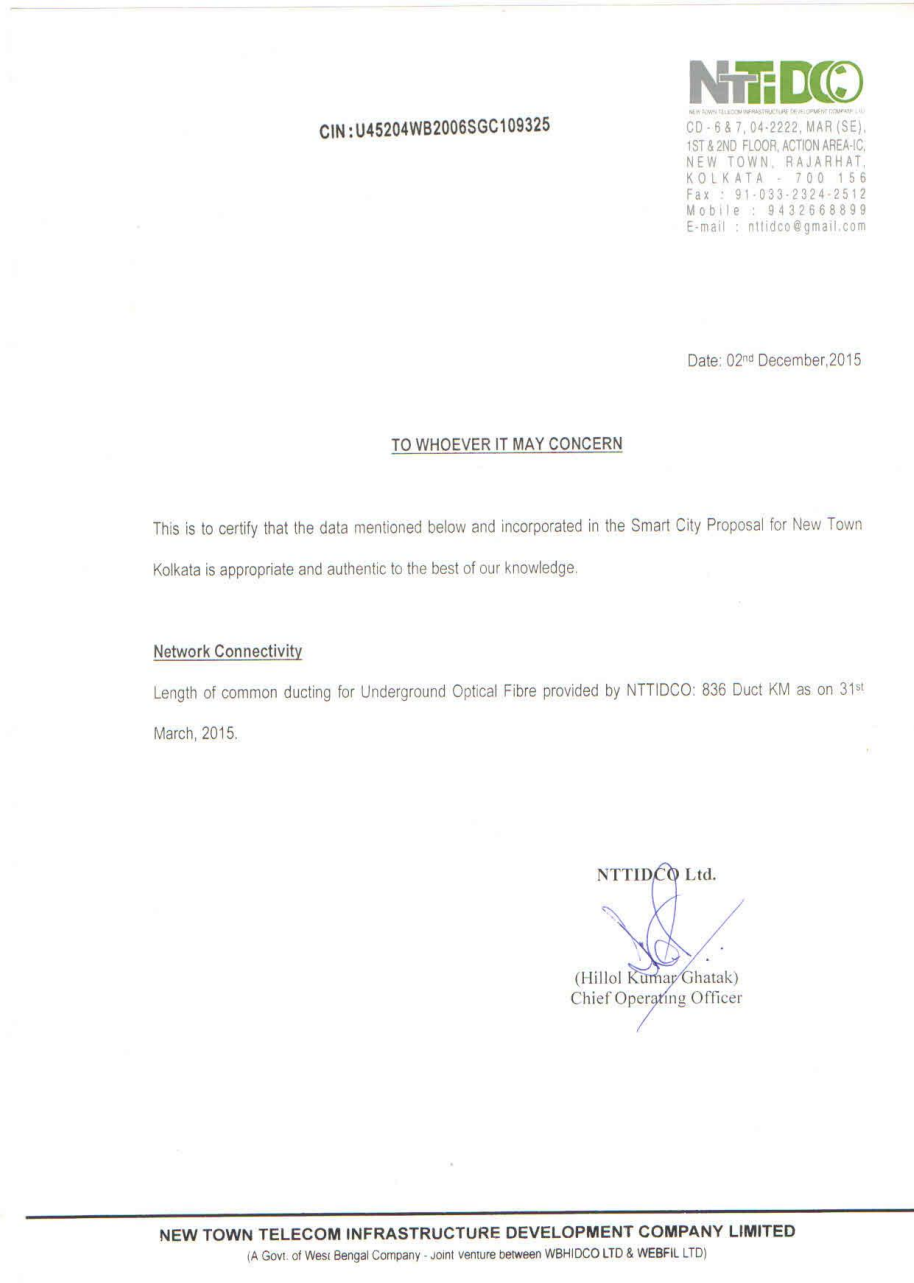
Registered Office & Electric Supply Office :

09-024, M.A.R. New Town, Rajarhat, Kolkata - 700 156, Phone : 033 2324 0061 / 64 / 67
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Phone : 033 2324 4615
Tele-Fax : 033 2324 4840, e-mail : ntesc@yahoo.com

4.37. Letter from NTTIDCO confirming the relevant data used for answering questions 1, 2 and 3 of City profile And Letter from NTTIDC stating the coverage of fiber optic network across the city



CIN:U45204WB2006SGC109325



CD - 6 & 7, 04-2222, MARISEL
1ST & 2ND FLOOR, ACTION AREA 'C',
NEW TOWN, RAJARHAT,
KOLKATA - 700 138
Fax : 91-033-2324-2512
Mobile : 9432668899
E-mail : nttidco@gmail.com

07-12-2015

To Whom So Ever It May Concern

This is to notify that NEW TOWN Kolkata is almost covered with underground common ducting for all purpose telecommunication connectivity, specially for Optical Fibre Communication system.

NTTIDCO Ltd.

A handwritten signature in blue ink, appearing to read 'Ananda', with a horizontal line extending to the left.

(ANANDA GANGULY)
CHAIRMAN

**NEW TOWN TELECOM INFRASTRUCTURE
DEVELOPMENT COMPANY LIMITED**

Chairman

NEW TOWN TELECOM INFRASTRUCTURE DEVELOPMENT COMPANY LIMITED

(A Govt. of West Bengal Company - Joint venture between WBHIDCO LTD & WEBFIL LTD)

4.38. Letter from PHED confirming the relevant data used for answering questions 1, 2 and 3 of City profile

Government of West Bengal
Directorate of Public Health Engineering
Office of the Superintending Engineer, New Town Kolkata Water Supply Circle
Utility Building, 1st Floor, Beside Delhi Public School, AA-ID, New Town, Kolkata - 700156
Phone no. 033 65065070/033 65065060
E-mail ID: se_ntkc@wbphed.gov.in

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Water Supply

- Water supply: 200 lpcd (Avg)
- Existing Water Treatment Plant with SCADA for monitoring – 20 MGD
- Planned Water Treatment Plant – 100 MGD
- Water Quality: BIS compliant
- Network of underground pipelines: 100%
- NRW: 10% (planned)

Sanitation

- Number of operational Sewage Treatment Facilities: 3 (including 1 stabilisation pond)
- Number of STPs planned for construction in the near future: 1


Superintending Engineer
N.T.K. W/S Circle P.H.E. DTE.

Government of West Bengal
Public Health Engineering Directorate
Office of the Executive Engineer, New Town Kolkata Water Supply Divn.-II
Utility Building, 2nd floor, beside Delhi Public School, AA-ID, New Town, Kolkata-700156


Memo No. 1585 /NTKD-II Dated New Town the 7/12/15
To
The Chief Executive Officer,
New Town Kolkata Development Authority.

Sub: Surveying, Designing, Soil Testing, Supplying, Laying, Construction, Testing, Commissioning, Operation & Maintenance for 5 (five) years of intake jetty on piles, suction pipe line, pump house, sub-station and office building along with electro mechanical installations and pumping arrangement, instrumentation, 1829 mm (OD) MS transmission pipe line including valves and specials, trestle, trenchless tunneling, cross drainage structures / bridge, pipe anchorage, thrust block, bank protection works, and allied works etc. from intake works at Rani Debendrabala Ghat on River Hooghly to Water Treatment Plant at New Town in Action Area-IA for 100 MGD. transmission capacity.

Sir,

This is to state that the captioned work has been completed & trial run is going on.

Yours faithfully,


Executive Engineer,
New Town Kolkata W/S Divn-II,
Public Health Engineering Directorate,
Govt. of West Bengal.

Memo No. /NTKD-II Dated New Town the

Copy forwarded for information:

1. The Executive Director (Engg.), WBHIDCO.
2. The Chief Engineer, Western Zone. P.H. Engg. Dte., Govt. of West Bengal.
3. The Superintending Engineer, N.T.K. W/S Circle, P.H. Engg. Dte., Govt. of West Bengal.

Executive Engineer,
New Town Kolkata W/S Divn-II,
Public Health Engineering Directorate,
Govt. of West Bengal.

Nabanta D:

4.39. Letter from Transport Companies and Bidhannagar Commissionerate confirming the relevant data used for answering questions 1, 2 and 3 of City profile



কলিকাতা রাষ্ট্রীয় পরিবহন সংস্থা
Calcutta State Transport Corporation
www.cstc.org.in

No. 002/119/1R-30/07-08.

Dated the 4th December, 2015.

TO WHOEVER IT MAY CONCERN

This is to certify that the date mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Bus routes and number of buses

Category	2012-13	2013-14	2014-15
AC Bus Route	--	--	12
Non-AC Bus Route	7	5	20
No. of buses	18	13	AC-60 Non AC - 125

This is further to state that CSTC has undertaken exercise to rationalize the Bus routes connecting the proposed smart city area and it is also exploring the scope of reinforcing its fleet strength by another 50 AC buses and 50 Non-AC buses.


Managing Director
CSTC

HQ: 5 Nilgunge Road, Belgharia, Kolkata 700 056. Phone: (+91 33) 2553 3014-15
Fax: 2544 3607, 2553 3017, E-mail: casttrco@gmail.com
CTO: 45 Ganesh Chandra Avenue, Kolkata 700017, Phone (+91 33) 2237 1212-13, 2237 6576,
Fax: 2236 4477, Traffic Control Room Phone: 2236 0462-63/1916.

The Calcutta Tramways Company (1978) Limited

(A Government of West Bengal Undertaking)

Tel. No. 2248-8023
CIN:U63090WB1982SGCO35337

12, R. N. Mukherjee Road
Kolkata - 700 001
Fax : (033) 2248-3277
E-mail: tramways1873@gmail.com
Website: www.calcuttatrampways.com

Ref:

TO WHOEVER IT MAY CONCERN

Dated : 07.12.2015

This is to certify that the data mentioned below and incorporated in the Smart City Proposal for New Town Kolkata is appropriate and authentic to the best of our knowledge.

Bus routes and number of buses

Route No.	Destination	No. of Bus (daily)	Type of bus
C-8	Barasat-Joka via Madhyamgram-Airport-ECO Park-RabindraTertha-SDF-Nicco Park-Science City-Ruby-Gariahat-Tollygunge-Haridevpur-Thakurpukur Cancer Hospital & 3A Bus Stand	10	Non AC
C-8A	Airport - Tollygunge via ECO Park - RabindraTertha - SDF - Nicco Park - Science City-Ruby-Gariahat - R B Avenue	16	Non AC
C-23	Parkcircus - Dankuni via Science City - Nicco Park - SDF - Chinar Park - Kaikhali - Airport - BelghoriaExp way - Dakshinshwar - Bally Halt - Rajchandrapur & Delhi Road	26	Non AC
AC-4	Barasat - New Town - Karunamoyee via Airport	2	AC
C-31	Salt Lake- Bhattanagar via Belgharia Expressway, Airport, Eco Park *	4	Non AC
E-34	Salt Lake - Chinsurah via SDF, Eco Park, Airport, Barasat, Kalyani *	3	Non AC
AC-2	Park Circus - Dankuni via SDF, Eco Park, Airport, Dakhineswar*	2	AC
D-3	Salt Lake - Chinsurah via Belgharia Expressway, Dakhineswar *	2	Non AC
D-4	Salt Lake - Sreerampore via SDF, Eco Park, Airport, Dakhineswar*	2	Non AC
D-5	Salt Lake - Uttarpara College via SDF, Eco Park *	3	Non AC

Sanctioned Bus stops in New Town area: Mashisbathan - DLF - New Town Bus Stand - RabindraTirtha - Jatragachi - DPS - ECO Park Gate - 1, Gate No. 2, Reckjawni - Nawabpur - City Center - II

- Likely to be started within December 2015.


Managing Director

Buses Operating in New Town

NON AIR-CONDITIONED Buses

CSTC	- 44
WBSTC	- 27
CTC	- 10/15
WBHIDCO	- 14
Others	- 380 (Private)
Total	- 475

AIR-CONDITIONED Buses

CSTC	- 49
WBSTC	- 29
WBHIDCO	- 10
Others	- 16 (Private)
Total	- 104.

Letter from Bidhannagar Police Commissionerate confirming the relevant data used for answering questions 1, 2 and 3 of City profile



Government of West Bengal
Office of the Addl. Deputy Commissioner of Police
Traffic, Bidhannagar
Kolkata – 700 064

TO WHO EVER IT MAY CONCERN

This is to certify that the data mentioned below and incorporated in the Smart City proposal for New Town PS area Kolkata is appropriate and authentic to the best of our knowledge.

Crime Records

Name of Crime	2014	2015
Dacoity	0	0
Robbery	1	2
Burglary	56	102
Theft	6	3
Murder	0	0
Culpable Homicide	0	0
Rioting	0	0
Crime against women	77	75
Arms Act	4	10
NDPS Act	11	5
399/402 IPC	9	7
Others	278	338
Total	442	542

Police Station Staff

	2015	2014	2013
Inspector	1	1	1
Sub-Inspector	10	7	6
ASI	10	7	6
Constable	55	7	6
Lady Constable	7	2	2
Civic Volunteer	100	100	100
Total	183	124	121

Patrolling

24 X 7 Police patrolling is conducted in New Town PS area.

(SHIVANI TEWARI, IPS)
Addl. Deputy Commissioner of Police
Traffic, Bidhannagar

4.40. Work Order issued to ICRA for conducting Credit Rating for New Town Kolkata



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

Memo No: 1303/NKDA/Admn-493/2014

Date: 29 /02/2016

To,
ICRA Limited,
1105, Kailash Building, 11th Floor,
26, Kasturba Gandhi Marg,
New Delhi 110 001

Sub: Work Order for Credit Rating of New Town Kolkata Development Authority (West Bengal)

Ref: your proposal dated 24/02/2016.

Dear Sir,

With reference to the above, this Authority has accepted your offer rate i.e. Rs 80,000/- (eighty thousand only) excluding all taxes for the entire work as per the terms and conditions mentioned in the RFP.

Now, you are to execute a formal agreement within 7 days on acceptance of this Work Order. Also it is requested to submit the list of documents from NKDA required for Credit Rating of New Town Kolkata Development Authority (West Bengal).

CREATED 29/02/16
Chief Executive Officer
New Town Kolkata Development Authority

Date: 29 /02/2016

Memo No: 1303 /NKDA/Admn-493/2014
Copy forwarded for information to:

1. Finance Officer, NKDA.
2. PA to Hon'ble Chairman, NKDA
3. PA to CEO, NKDA
4. PA to Member Secretary

29/2/16
Administrative Officer -I
New Town Kolkata Development Authority