

Annexure-2

Annexure 2 : Self Assessment Form

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	Standard	Definition	Scenario 1	Scenario 2	Scenario 3	Scenario 4 (Advanced)	Self assessment of the City (for Pan City Solution) with regard to each feature	Basis for Assessment and/or quantitative Indicator (Optional only if data available)	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
1	<u>Citizen participation</u>	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 stakeholder. 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.	Scenario 2	Limited direct interactions with citizens in the absence of policy framework. At present there is no formal procedure for involving the citizens in the development process. While preparing the Master Plan citizens objections/suggestions are received.	All the citizens participate in defining City's vision & inherent development interventions.	Define the policy framework to include citizen participation while envisaging development. Citizens to be consulted through feedback forms, seminar/workshops, focus group discussions, online mediums like Facebook, YouTube, , twitter and email. A dedicated website should be launched by MCJ to receive feedbacks
2	<u>Identity and culture</u>	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	Scenario 2	The city has one of the 51 Shaktipeeth and also known to be the regional center of sports infrastructure, sports manufacturing goods & surgical items. City is rich cultural & religious heritage and hosts famous classical musical concert "Shree Baba Harivallabh Sangeet Sammelan" represented by national & international music maestros since the past 100 years. Jalandhar is the state's biggest sports & surgical good manufacturing hub and has good sports infrastructure (stadiums, sports colleges). The city is home to various national and international players (Harbhajan Singh, Pargat Singh) and is also a hub for sports training with private sports academies like Harbhajan Singh's Cricket Academy	Create conducive environment for hosting sports & cultural events; promoting economic growth & augmenting city's identity as Sports & Cultural Hub	Development of Sports Hub in Buriton Park Area; that can become a center of sports excellence and also provide cultural and public space for citizens facilitating cultural events/shows of the national & international repute.
3	<u>Economy and employment</u>	A smart city has a robust and resilient economic base and growth strategy that creates large-scale employment and increases opportunities for the majority of its citizens (Guideline 2.6 & 3.1.7 & 6.2)	There are some job opportunities in the city but they do not reach all sections of the population There are a high number of jobs in the informal sector without sufficient facilities	There is a range of job opportunities in the city for many sections of the population The city attempts to integrate informal economic activities with formal parts of the city and its economy	There are adequate job opportunities for all sections of society But skill availability among residents can sometimes be a challenge	There are adequate opportunities for jobs for all sections of income groups and skill levels Job-oriented skill training supported by the city and by industry Economic activities are suited to and build on locational and other advantages of the city	Scenario 2	Jalandhar is internationally specialized in manufacturing of Sports Goods, Leather Goods, Hand Tools, Pipe Fittings and Surgical Implements etc. Large scale industrial units constitute only 0.23% of the total industrial units whereas the share of Small Scale Industries has been found to be of the order of 99.77%.The share of Small Scale Industrial Units was found to be 97.14% as compared to 2.86% large scale industries. Informal vendors which had been given license to regulate their activity/business are as follows Year:2012-13- 5700 in nos, Year:2013-14-6200 in nos,Year:2014-15-5300 in nos.	Promote economic growth of the city by creating state of the art sports infrastructure and support allied manufacturing industry coupled with creation of entrepreneurial work force abreast with skills responding to current market needs.	Development of Sports Hub at Buriton Park and create employment opportunities for ~ 6000 people. Creation of skill development and R&D center to enable training of around 800 personnels per annum on continuous basis. Promote local sports goods industry by creating Commercial/ Multipurpose arena.
4	<u>Education</u>	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 database of schools including number of students, attendance, teacher-student ratio, facilities available and other factors	Scenario-3	Databases like student, teacher attendance & their ratio is monitored by www.epunjab.org. Our website ssajalandhar.org is used to communicate with schools regarding important instructions. Multimedia education is provided through ROT & SIT in high schools and secondary schools. Edusat language labs are running in all high and secondary schools.	Vision is to introduce computer education along with smart classes from class first onwards. For this city plans to establish computer labs with internet facilities in all schools and connect them with top universities like IIT & IIM to update students. City envisages to have two way interactive programme facility.	Convergence of E-Education initiative of Government of India for Jalandhar city to the following 1. Replacing all Receive only Terminals ROT's with Satellite Interactive Terminals. 2. Providing smart class facility to all the schools from class 1st to 12th . 3. Providing computer education starting from class 1st. 4. Providing rot or sit at primary cluster level schools. 5. Installing bio metric attendance system in each school.
5	<u>Health</u>	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 centres 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 conveniences The city is able to foresee likely potential diseases and develop response systems and preventive care	Scenario 3	There are 176 (Government+Private) health facilities in the city. They are easily accessible as they are wide spread uniformly. There are 200 ambulance (Government+Private) to cater emergency services and can be accessed through robust telecommunication system.	City aspires to be healthy city with all adequate health infrastructure facilities catering to sports activities and elderly population.	Citywide IT enabled infrastructure for elderly for quick response and health service provision , alongwith specialised sport medicine/ injuries /rehabilitation wing to be established.
6	<u>Mixed use</u>	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 neighbourhoods 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 neighbourhoods have light industrial uses within them (e.g., auto repair, car_ production). Land use rules allow for mixed uses	Every part of the city has a mix of uses Everyone lives within a 15-minute trip of office buildings, markets and shops, and even some industrial uses Land use rules require or encourage developers to incorporate a mixture of uses in their projects	Scenario 2	16.67% of the Residential land use is under mixed use,hence limited city residents enjoy the benefit of live, work, and shop in close proximity. The Master plan provides for encouraging mixed use development.This creates ambiguity amongst both city authorities and city residents. Due to absence of dedicted mixed Land use category, citizens are not able to capitalize on such provisions as given in Master Plan.	In order to promote Work, Play, Live concept, Master Plan will clearly specify the areas that allows mixed use development and also provides for development control regulations for the same.	Increase the FAR and allow mixed landuse development along Arterial and Sub arterial roads falling in the Buriton Par and adjoining areas. The roads identified are (Balda Road, 120 Ft Road, JP Nagar Road, Kapurthala Road). The success of this mixed land use pilot project shall be replicated at city level by MCJ.
7	<u>Compact</u>	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 neighbourhoods. (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 centre, 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 centre 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 favour 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, walk able 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 walk able and inviting activity centers and neighbourhoods. Regulations encourage or incentivize re-development of under- utilized land parcels in the city center Buildings are oriented to the streets and parking is kept to a minimum, located below ground or at the back of buildings Public transport and walking connects residences to most jobs and amenities Residential density is at an optimal with affordable housing available in most areas	Scenario 2	Master Plan 2031 suggests that out of 55 wards (currently the wards are 60) only 7 wards of core city has higher density 150 person/acre (PPA) followed by 19 wards with 50-150 PPA and 29 Wards with less than 50 PPA.	Mixed Use Development with higher FAR to be promoted for compact development , creating larger green and recreational spaces and encourage public transportation system as a medium for commuting	

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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 neighbourhoods, but are not available in all the areas of the city or are located far away from residential areas. Many of the open spaces have access restrictions, or are not well-maintained. A variety of types of public open spaces may be lacking, such as natural areas, green areas, parks, plazas, or recreation areas.	Most areas of the city have some sort of public open space. There is some variety in the types of public spaces in the city. However, public spaces are sometimes not within easy reach or access of more vulnerable populations and are more restricted in poorer neighbourhoods.	Public open spaces are well dispersed throughout the city. Every residential area and work space has access to open space within 10 minutes walking distance. Open spaces are of various types - natural, green, plazas, parks, or recreation areas - which serve various sections of people. Public spaces tend to truly reflect the natural and cultural identity of the city.	Scenario 2	Master Plan 2031 suggests that existing land use under Local Planning Area for Recreation and Public and semi-public is 0.2% and 2.23% respectively. Most of residents living in walled city don't have access to open spaces/parks and are accordingly required to travel longer distance to have access to such areas.	City to create sports facilities at the neighborhood level and at city level with aim of development of sports and play areas for all age groups at appropriate levels. In addition, the existing sports infrastructure should be upgraded and efficiently re-planned to improve the level of facilities.	Development of Burlington Park area as sports hub to provide Sports & Cultural identity in sync with the residents vision. Canal area rejuvenation and Burlington park redevelopment shall provide green lung to the city at large and improved built form. Combination of both these spaces shall increase by 9% under recreational & open spaces in Burlington park and adjoining areas.
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 incomes. 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 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.	Scenario 3	Housing is available from 2400 Rs/sq yard in under developed areas to 70,000 Rs/sq yard in niche areas. Growth rate of housing from 2001 to 2013 is 2.78 % and population growth rate is 2.13 %. Some areas near old city area are affordable to lower & middle income groups.	A wide range of a housing should be available covering all socio-economic stratas. The supply of housing should be growing at pace with population.	Encourage PPP format for developing housing and creating livable spaces by capitalizing Housing for All scheme in existing Slum areas like MithuBasti area of Burlington Park.
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. 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.	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.	The city has covered under scenario 2, the city has very limited available option of PT and pedestrian facility is only available in Posh area only.	No organized public transport system is in place. Citizen's transit needs are sufficed largely by around 15000 shared and personalized autorickshaws and partially by around 140 private mini buses operating on 13 suburban routes. Pedestrian infrastructure is inadequate.	City to provide mobility for all categories of citizens. Public Transport to be progressively improved supported by an efficient NMT and Pedestrian infrastructure. This will help to reduce the average travel time and traffic congestion on roads. Public Transport to be based on Trunk and Feeder system to ensure maximum coverage. Last mile connectivity to be enhanced.	The city has plan to introduce a fleet of 128 mini/midi/standard CNG buses complying with MoUD's Urban Bus Specification-II. Smart City Bus System (SCBS) to be equipped with all modern ITS components and operations to be monitored through central control room. Smart Card and real time mobile application facility to ensure provision of efficient and reliable SCBS. Shared Autorickshaws to be encouraged to ply on internal roads thus augmenting SCBS coverage and providing last mile connectivity. Smart Vehicle Actuated Signals to be employed along major SCBS routes to ensure smooth traffic flow and efficient bus operations.
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 streets. Large driveways or parking lots often separating them from the street, and sometimes are enclosed by gates. In these areas, traffic signals are disobeyed.	The city has a good network of pavements and bike lanes. Buildings in most areas of the city are easily accessible from the pavement. However, traffic signals are sometimes disobeyed and it can feel difficult to cross the street.	The city is highly walkable. Pavements exist on every street and are maintained. Trees line many sidewalks to provide shade for pedestrians. Buildings in most areas of the city are easily accessible from the sidewalk. Traffic signals control the flow of automobiles and are enforced. A network of bike lanes exists to promote cycling as a means of transport. Traffic rules are followed and enforced with great seriousness.	Scenario 2.	Only 60% of Arterial and Sub-arterial roads have footpaths. Footpaths on collector roads are largely missing. None of the traffic signals at intersections have pedestrian phase and no mid-block pelican signals are provided. No Foot Over Bridges and Under Passes are provided. Existing footpaths are covered with various obstacles such as Trees, Electrical Poles and Transformers, temporary Vendors etc. thus restricting seamless pedestrian movement.	City to provide 100% footpath coverage with walkways free of all obstacles. Pedestrian phase to be included at intersections having high pedestrian movements and Pelican signals to be placed at strategic locations. Traffic Calming measures to be used to ensure pedestrian safety.	Develop a comprehensive green network of spaces (36 acres) and NMT routes (24 kms) that will function as both well lit pedestrian and cycling routes with good quality public realm in the Burlington Park and adjoining area. Provision of multilevel car parking (1600 ECS) and Smart parking bays (1675 ECS) at GT road, 120 ft road, Adarshnagar park, Guru Ramdas market area, Basti Adda road and Kapurthala road thus more walkable spaces.
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 wifi services to provide opportunity for all the citizens to connect with high speed internet across the city.	Scenario 2	City wide IT connectivity is being extended to citizens through Government/Private IT service providers.	100% Wi-fi coverage throughout the city. High speed Internet connectivity for all at affordable prices.	Installation of Smart poles at 78 strategic locations across the city having capabilities of mounting wifi routers, Optical fiber/4G/3G/Copper based interconnectivity of all stakeholders through Digital India program.
13	Intelligent 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 platform. Paper intensive interactions with the local Government continues. Receiving services and response to citizen complaints take a long time. There is limited availability of data to monitor service delivery.	Some of the public services are provided online and infrastructure for total digitalization is not in place. Service delays occur regularly in some sectors. Responses to citizen inquiries or complaints are often delayed. No integration between services and billing.	Most of the services are provided online and offline. Data transparency helps monitoring System and processes to better coordinate between various Government agencies are being developed.	All major services are provided through online and offline platform. Citizens and officials can access information on accounting and monitor status of projects and programs through data available on online system. Robust data infrastructure system shares information and enhances internal governmental coordination.	Scenario 2	Online and offline governance services are not integrated properly. The city lacks two way communication between the citizens and government. The complaint redressal system currently is at a low scale. Currently MCJ does not cover core E-Governance functions through ICT based interventions.	City for its people by connecting Citizens, Governance & Planning. The city aspires to install a robust E-Governance system with <ul style="list-style-type: none"> Development of Portal Back of the system integration Centralized Application system Mobile enabled service delivery and Help desk for citizens with toll free number. 	A centralised command and control center integrating real time feedbacks from 78 strategic locations shall be established as part of the city surveillance project. Customized dashboards for various line departments including Police, Fire, Health and other lined Departments will be established for quick decision making. MCJ is soon planning to launch city wide E-Governance project with functions as follows. 1) Core Functions including Birth & Death, Water Supply & Sewerage, Building Regulations, School Management, Property Tax, Licenses, Health & sanitation, Fire services, Rent/ Lease, Transport, Plantation in Parks, Advertisements & Hoardings, Verification services, Ticket sales, Works Management 2) General Administrative Functions including legal matters, RTI, MIS, Complaints and Grievance, RTS and Secretarial functions 3) Financial Management functions including Double entry accounting system and Budget 4) Personnel Management functions including Employees services and Pay roll pensions. Once E-Governance project is implemented this shall be integrated with the projects namely City Surveillance and Public Transport & Traffic Management System Projects.
14	Energy supply	A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guideline 2.4)	There is only intermittent electricity supply with regular power shedding. Many residents have to plan their days around when power is available.	Electricity supply and loads are managed as per demand and priority for various functions with clear scheduling, with electricity being available in many areas for most hours of the day.	Electricity is available in most parts of the city for most hours of the day but some areas are not so well-served. Smart metering exists in some parts of the city but not all.	Electricity is available 24 x 7 in all parts of the city with smart metering linked to online platforms for monitoring and transparency.	Scenario 3	The quality of supply has improved considerably after implementation of APDRP project, this also includes installation of smart power meters at city level. Some of the KPIs are as follows 1. % of houses covered under Grid Power- 100% 2. Transmission & Distribution losses- 10.41 % 3. Hours of Scheduled and Unscheduled Outages- 3.5 hours/day	Electricity should be made available 24 x 7 in all parts of the city to all the citizens with smart metering for monitoring and transparency.	"Ring Fenced" distribution network to augment existing power supply and to increase existing transformer capacity

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15	Energy source	A Smart City has at least 10% of its electricity generated by renewables . (Guideline 6.2)	The city does not have any renewable sources of energy and there is no commitment to promote this for the foreseeable future	The city is preparing plans for ensuring that it gets more energy from renewable sources and is in the process of making commitments in this regard	Some energy consumed is the city is produced through renewable sources There are long term targets for higher renewable energy capacities and the city is making plans to achieve these	At least 10% of the energy used in the city is generated through renewable sources The city is undertaking long-term strategic projects to tap renewable sources of energy in its region/beyond to increase the percentage of renewable energy sources	Scenario 1	The City does not have any Renewable energy source at present	City aspires to achieve more than 10% of the power from Renewable Energy sources	Sourcing power from Waste to energy plant of 8 MW is proposed under MSWM project Installation of Roof top Solar based Power Generation (17.88 MW) in Burlton park and adjoining area and Inclusion of Jalandhar city in Solar City Mission of Government of India.
16	Water supply	A Smart City has a reliable, 24/7 supply of water that meets national and global health standards (Guidelines 2.4 & 6.2)	The city has a poor water supply system with limited water availability There are no clear targets to achieve higher quality and optimal quantity standards Unaccounted water loss is above 40%	The city has intermittent water supply and availability However it is setting targets and processes in place to try to improve its water supply Unaccounted water loss is less than 30%.	The city has 24 x 7 water supply in most areas but the quality of water does not meet international health standards Unaccounted water loss is less than 20%.	The city has 24 x 7 treated water supply which follows national and global standards and also available in sufficient quantity and affordable across all sections of the society Unaccounted loss less than 15%.	Scenario 2	12 hours of piped water supply having good quality which meets Indian standards is provided in all parts of city. However city is envisaging to supply 24x7 water. Current unaccounted water is 20 %.	City aspires to supply 24x7 water to all its citizens with further improvement of quality of water to meet International standards. City also envisage to reduce NRW from 61 % to 20% to meet MoUd guideline. Volumetric Based billing instead of area based billing is proposed in Burlton Park and adjoining area by installing more than 10,000 Smart water meters.	Convergence of Amrut scheme with Smart city mission to replace 65 kms of old water piped network for reduction in UFW, construct 10 new OHSRs for 24x7 water supply and installation of SCADA system in Burlton Park and adjoining area.
17	Water management	A Smart City has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage storm water runoff (Guideline 6.2)	The city does not measure all its supply It does not recycle waste water to meet its requirements and rain water harvesting is not prevalent Flooding often occurs due to storm water run-off	The city has meters for all its water supply but lacks mechanisms to monitor Water wastage is very high Some, but not much, rainwater harvesting exists	The city has meters for all its water supply with some smart mechanisms to monitor Rainwater harvesting systems are installed and storm water is collected and stored in water bodies However, recycling of waste water and reusage 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	Scenario 1	City does not have any provision of Bulk water Meters to measure discharge. Only 2.73% of properties have water meter connections. Treated waste water is not reused. Rain water harvesting is done but at very few government buildings. City lacks storm water management with frequent incidents of waterlogging during rainy season. Extent of non-revenue water in the city is 48%.	City envisages to install Bulk water meters by identifying District Metering Areas (DMAs) and Smart individual meters to reduce NRW. Policy implementation to ensure rain water harvesting. City aspires to use treated waste water for horticulture, Car washing etc. to reduce demand of fresh water.	In collaboration with AMRUT scheme authority is under planning to procure 532 bulk smart water meters, 32 OHSR's, 1,24,782 Smart Individual Meters and installation of SCADA system for better management of supply. In Burlton park and adjoining area 2 initiatives have been proposed under Smart City Mission 1. Construction of 20 recharge wells at low lying areas to prevent water logging and storing water through Rain Water Harvesting measures. 2. 12 kms of Dual pipe for waste water reuse
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	Scenario 2	All 200 MLD sewage (100%) is collected and treated in 5 STPs before disposal. Treated water meets standards of PPCB. However city is still planning to recycle the treated sewage for multiple use & city aspires to collect all sewage which is generated by minimising leakage & linking the gaps in sewage network.	City is working towards 100% utilisation of treated waste water (190 MLD) from 5 functional STPs, in order to reduce 100% reliance of fresh water demand from ground water.	12 kms of Dual pipe for waste water reuse is proposed in retrofitting area i.e Burlton Park & adjoining area which will reduce reduction in per capita fresh water consumption by 40 lpcd (about 30 % of per capita water demand). This pilot project will be replicated at Pan city level at later stages. In convergence with Amrut scheme 100 % sewage facility will be provided to city as well as identifying and replacing damaged sewage system to collect all generated waste water . Also enabling IT based system to ensure proper functioning of system without any blockages.
19	Air quality	A Smart City has air quality that always meets international safety standards (Guideline 2.4.8)	City does not have plans, policies or programs to improve the air quality Systems to monitor air quality are absent	City has programs and projects to monitor air quality and spatialising the data to ascertain reasons for degrees of pollution in the air A few strategies to decrease air pollution have been implemented	City has programs and projects to monitor air quality and spatialising the data to ascertain reasons for degrees of pollution in the air Pollution levels are acceptable	The city has clean air by international standards Live Air quality monitoring cover the entire city and data of air quality are mapped	Scenario 2	Air pollution monitoring is done through 4 Ambient Air Quality monitoring stations in the city. These 3 stations operate for 3 days in the week for 24 hours Violation of pollution control standards of RSMP on annual basis is 125 %. Total Air Pollution in Jalandhar City is above the permissible National Standards and the main source of pollutions are Domestic Sources, Industrial Sources, Vehicular/Transport Sources and DG Sets.	The city aspires to improve air quality by resorting on clean and green fuels, enhanced enforcements to arrest air pollution with regular monitoring of the air quality parameters at strategic locations.	Punjab Pollution control Board has planning to install real time continuous ambient air quality monitoring stations at important locations of Jalandhar so that realtime ambient air data is available for future planning and for public awareness. Introduction of CNG based city bus transportation system will reduce both the IPT led vehicular traffic and air pollution. It is estimated that there will be a reduction in CO2 emissions by 9% and NOX by 14% through utilization of CNG as clean and green fuel. Smart poles installed as part of city surveillance system are capable of mounting Air-pollution monitoring equipments for regular monitoring and Micro management.
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 counselling and outreach with developer, businesses and residents to adopt energy efficiency strategies	All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums Many non- public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations	Scenario 1	Almost 95 % (65000 nos) of city's road are covered under sodium vapour street lamps. But there are no provision of Led lights or solar lights in the city. Also the city does have energy efficient public/institutional buildings.No Energy saving projects have been launched as the city is not part of JNN Solar Mission.	City aspires to have 100 % of roads covered with LED lights, with all the public/institutional buildings to be energy efficient .The city requires to replace the existing old pumps with the new energy efficient pumps . City also aspires to be included in the Solar City Mission of Government of India.	Authority have planned to procure Led street lights for remaining 5 % of City roads. Under the solid waste management project 8 MW waste to energy plant is proposed. Establishing Roof top solar infrastructure on Institutional area (1,49,564 sq mt) to meet energy demand from renewable sources in the Burlton Park & adjoining area. Energy saving upto 16.5% would be achieved due to replacement of old pumps to energy efficient pumps.
21	Underground electric wiring	A Smart City has an underground electric wiring system to reduce blackouts due to storms and eliminate unsightliness (Guideline 6.2)	City does not have plans for underground electric wiring system	More than 40% of the city has underground electric wiring system	More than 75% of the city has underground electric wiring system	More than 90% of the city has underground electric wiring system	Scenario 1	Funds under existing & ongoing APDRP scheme does not cover underground electric wiring. Existing underground cabling is done for a 2.5 kms stretch from Patel chowk to TV center. Also there is a proposal for underground cabling of 1.5 kms of 66 KV line from T.V. Center to Chari Mandi	100% Underground electrical infrastructure leading to improvisation in city's skyline & reliability of supply, reduction in T&D losses and Maintenance cost .	The proposed retrofitting area i.e Burlton Park & adjoining area (1010 Acres) considered for Area Based Development does not have underground electrical wiring. It is proposed to underground electrical cabling through Smart City Mission Funds. This pilot project will be replicated at Pan city level at later stages.

	Standard	Definition	Scenario 1	Scenario 2	Scenario 3	Scenario 4 (Advanced)	Self assessment of the City (for Pan City Solution) with regard to each feature	Basis for Assessment and/or quantitative Indicator (Optional only if data available)	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
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 populations	Sanitation facilities are available to 100% of the city's population	Scenario 3	As per data of census 2011, city has 95% properties have Sewer connections. But number of public & community toilets are 15 which does not cater to city's need to avoid open defecation.	100% population should have sanitation facilities with public toilets, community toilets as per Set standards to avoid open defecation which promotes good healthy environment for the city.	In convergence with SBM, authority has finalised 45 public toilets locations in the city and has also proposal for providing 100% sewerage facility to all HHs. In the Burlton Park & adjoining area (ABD area), 10 public and community toilets (with 50% Male & Female) are proposed to be developed through SBM funding.
23	Waste management	A Smart City has a waste management system that removes household and commercial garbage, and disposes of it in an environmentally and economically sound manner (Guidelines 2.4.3 & 6.2)	Waste collection systems do not pick up waste on a frequent basis and waste often enters into water bodies	Waste generated is usually collected but not segregated Recycling is attempted by difficult to implement	Waste is segregated, collected, recycled and disposed in an environmentally sound manner	The city reduces land fill caused by waste so that it is minimal All the solid waste generated is segregated at source and sent for recycling Organic waste is sent for composting to be used for gardening in the city Energy creation through waste is considered	Scenario 2	The following KPIs illustrate the basis for Assessment for waste management at city level KPIs Present Satus Household level coverage of SWM services No formal arrangement for DTD collection of Waste No Extent of segregation of municipal services formal arrangement by MCJ 52 Extent of municipal solid waste recovered % Extent of scientific disposal of MSW Nil Extent of cost recovery in SWM services Nil Waste is collected and segregated from source by 900 unorganised Rag pickers and transported to dumping yard by authority. Partial waste (250 Tonnes per Day) is recycled for compost by M/s Punjab Grow more Ltd. but with less efficiency.	The authority envisages to improve the solid waste management, reduces land fill caused by waste so that it is minimal All the solid waste generated should get segregated at source and sent for recycling. Organic waste segregated waste should be sent for composting to be used for gardening in the city Energy creation through inorganic waste is considered.	Municipal Corporation of Jalandhar has entered into an agreement with JTF to undertake solid waste management services Door-to-door collection of segregated MSW from waste generators and collection of user charges, creation of a complaint redressal system, creation of a MSW website, installation of vehicle and MSW tracking system through GPS chip, establishment of central monitoring system, establishment of MSW processing and smart energy recovery facility, waste-to-energy facility, smart MSW disposal facility for city. collect waste from DTD to energy. The funds under SBM for city's road sweeping machines and for waste transport is also allocated
24	Safety and security	A Smart City has high levels of public safety, especially focused on women, children and the elderly; men and women of all ages feel safe on the streets at all hours (Guideline 6.2)	The city has low levels of public safety most groups of residents feel insecure during most parts of the day in many parts of the city	The city has medium levels of public safety - some more vulnerable groups feel insecure during some points of the day and in some parts of the city	The city has high levels of public safety - all citizens including women, children and the elderly feel secure in most parts of the city during most time in the day .	The city has very high levels of public safety - all residents feel safe in all parts of the city during all hours of the day .	Scenario 2	Focused group discussions with administrative heads of educational institutions and civil society group have highlighted the safety and security concerns of women & elderly and delay in response mechanism from enforcement agencies. Incidences of petty crime such as theft, snatching and burglary has increased by 21% in 2014 as compared to 2013. City has few vulnerable pockets including Women Educational Institutions where there is high incidence of such petty crimes. The citizen poll analysis also suggest that 58% of the city residents have given priority to the safety and security.	The City has a Vision to create Safe and Inclusive spaces for all residents including women and elderly. The city agencies to be equipped with state of the art ICT based infrastructure for prevention and mitigation of the such incidences. Thus helping people to feel more secure and safe.	A robust City Surveillance system is proposed to be installed as a part of Smart City project. Initially the system will monitor 78 vulnerable locations with state of the art cameras and sensors with a centralised data center & Command and Control center with customized dashboards for various line departments including Police, Fire, Health and other lined Departments.

Annexure-3

Annexure 3

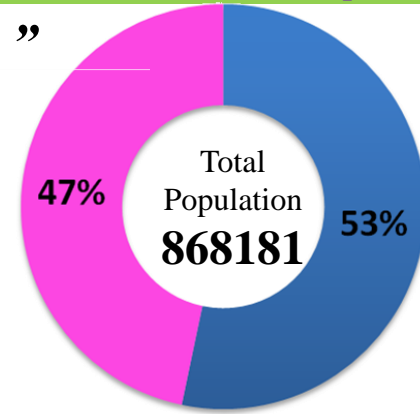
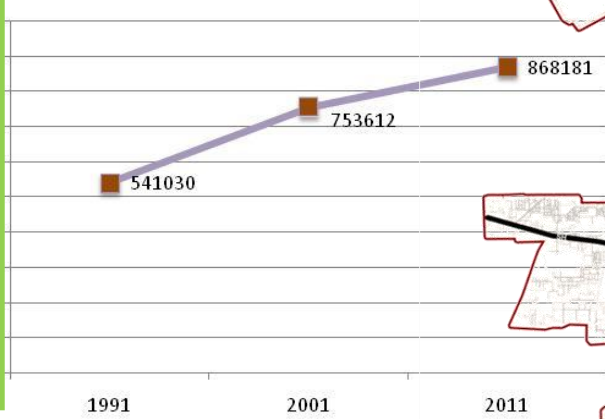
SMART CITY PROPOSAL



3.1 CITY PROFILE

“Jalandhar known for its sports industry”

Jalandhar - Population Chart



Sex Ratio

876 per 1000

MCJArea

110

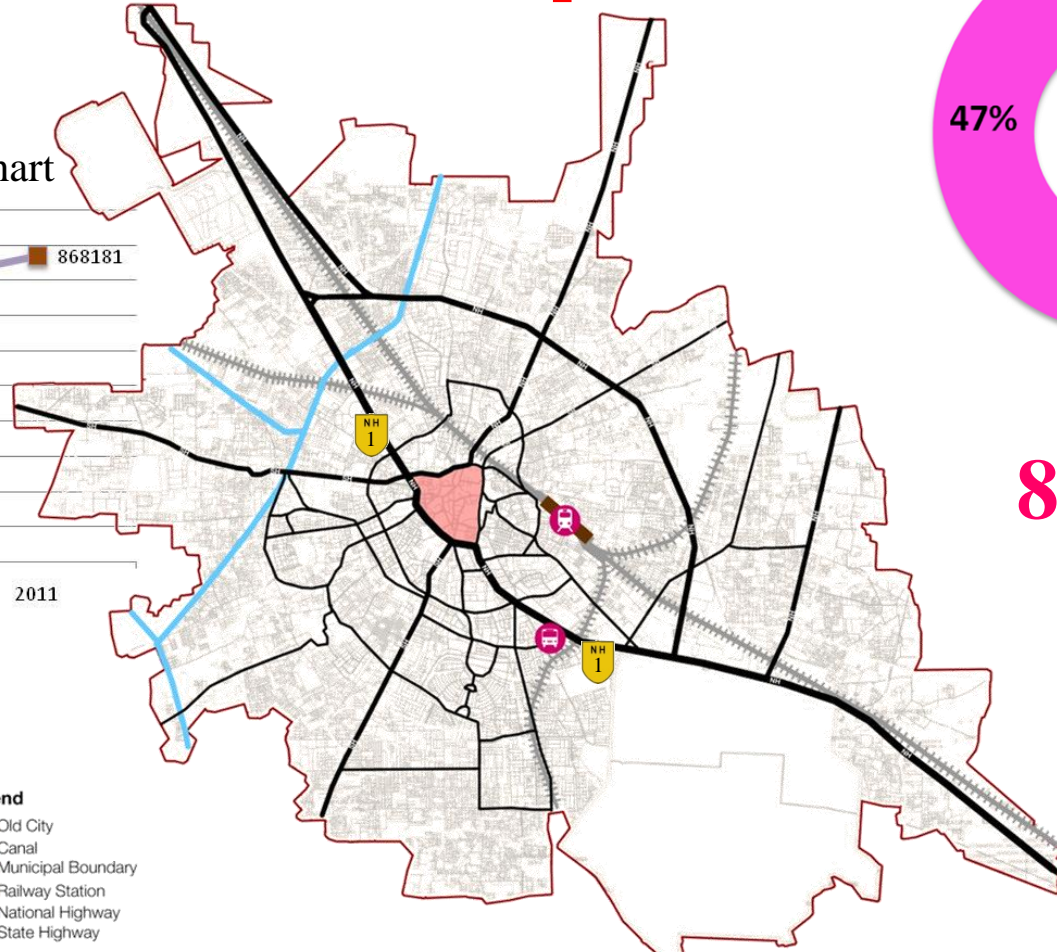
Sq. Km

85.6 PPH

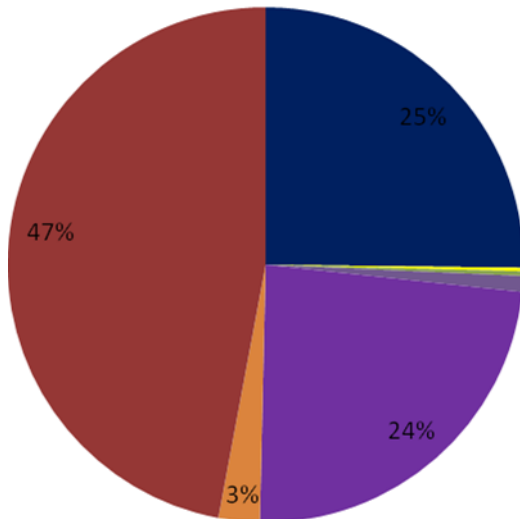
186,009 Households

30,170 Slum Households i.e.

16% of total HH



Work Force Division

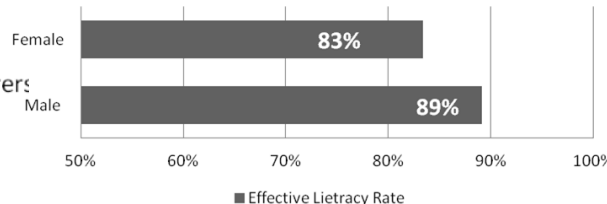


Legend

- Old City
- Canal
- Municipal Boundary
- Railway Station
- National Highway
- State Highway

- Main
- Cultivators
- Agricultural Labourers
- Household Industry
- Other
- Marginal
- Non Workers

6,70,852 total Literate Population



3.2a City Vision Development Process



1

CITY PROFILING

Internal Assessment – City Strength

- Identity
- Economic Base
- Cultural Heritage (Intangible)

Internal Assessment – City Infrastructure

- Transport
- Water Supply
- Solid Waste
- Storm Water & Sewerage
- Power & Street Lights
- Education & Health

2

SWOT

Strength

1. State's biggest Sports & Surgical good manufacturing hub
2. Possesses good Sports Infrastructure

Opportunity

1. Land Availability to develop Sports Hub and Recreational Spaces
2. Potential to tap surging demand for Sports & Fitness goods /equipments
3. Potential for Skill development centers for industrial promotion

3

Citizen & Key Stakeholders Aspirations

Promote Development & Economic Growth (Poll 1)

Priority Sectors for City Improvisation (Poll 2)

CITY VISION



“ Healthy & Productive Jalandhar ”

Leading Sports & Manufacturing Hub in Asia

To build up and diversify Jalandhar-**manufacturing based economy, sports culture & existing social infrastructure;** foster a **culture of entrepreneurship;** and develop inclusive places for **living, recreation & leisure** ensuring Jalandhar to be a **Healthy & Productive City to live, work & play.**

Strong Religious & Cultural Heritage - one of 51 Shaktipeeths (seat of Worship) of the Country & hosts annual International Music festival- Shri Baba Harivallabh Sangeet Sammelan

Quality Sports Infrastructure – 11 Sports facilities have potential for development to International Standards

Produced National & International Sportsmen -

21 Olympians & 12 International in Hockey; 3 Olympians & 12 International in Athletics; 19 International in Wrestling.

Prominent Sports Hub:

80,000 Soccer Balls supplied for FIFA World Cup 2014 in Brazil.

97.06% of Industrial Sector Employment is in Small Scale Industries.



Vision statement seeks to convey several key messages about what **JALANDHAR** aspires to be:

A SPORTS HUB

where the young and talented can benefit from the world class Sports Infrastructure, training & event venues, availability of quality sports goods and channelize their energies into field of sports.

**SPORTS
HUB**

A HEALTHY, ACTIVE

CITY where everyone can be supported to make healthy lifestyle choices.

**HEALTHY &
ACTIVE CITY**

ENTREPRENEURIAL & PRODUCTIVE

Punjabi city where everyone has the opportunity to fulfil one's potential, to be skilled wealth creator and contribute to the local and wider regional economy.

**PRODUCTIVE
CITY**

A city where **MANUFACTURING** is and will continue to be at the heart of the local economy. Up-skill and increase existing manufacturing base.

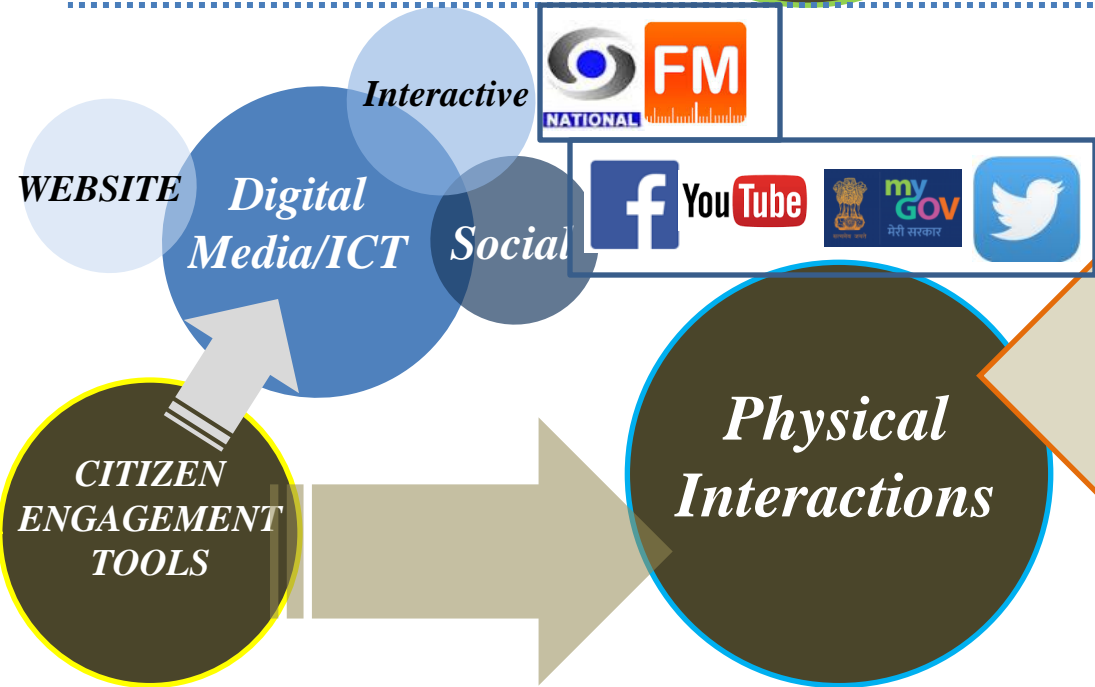
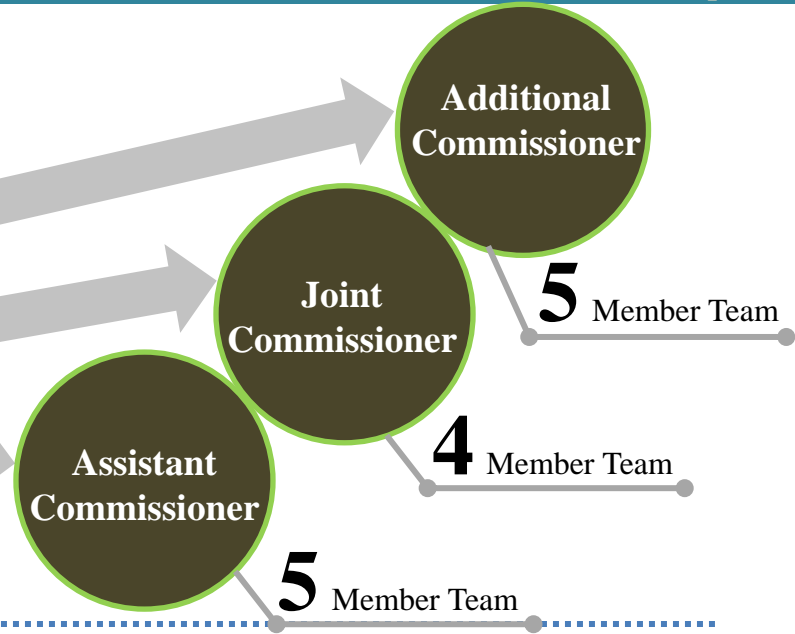
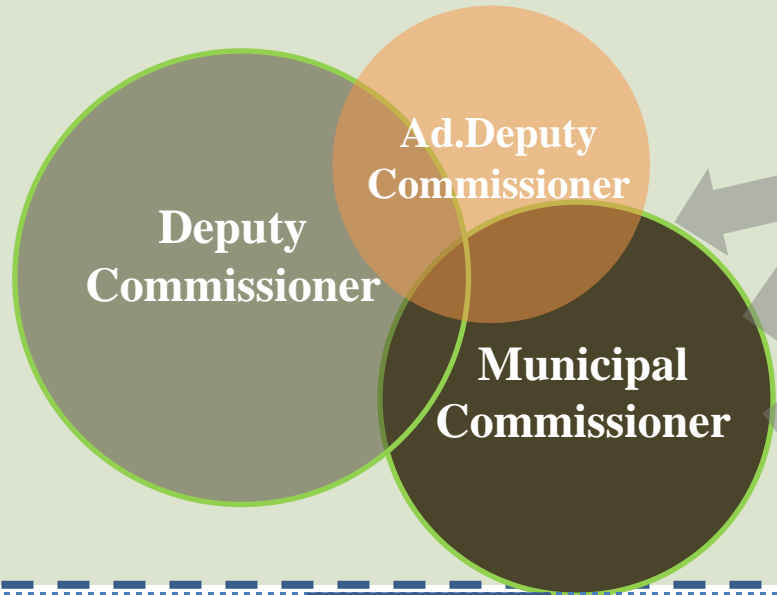
**MANUFACTURING
CITY**

A **LIVEABLE CITY** with smart and resilient infrastructure that will improve city's environment and make it more sustainable.

**LIVEABLE
CITY**

3.3a Institutional Setup for Citizen Consultations

Institutional Arrangement



- FGDs
- Ward Level Consultations
- Road Shows
- Public Places
- Educational Institutes

- Bar Association, Architects Association, Print & Media Group, Industrial Association, Hotel association, Ward Counselors, Academia
- All 60 Wards covered
- 9 Road Shows
- Public Booths / Kiosks Created
- All Colleges and Universities

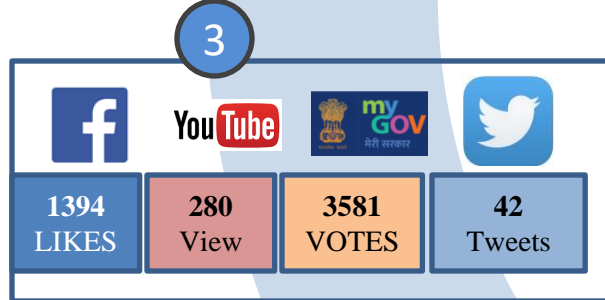
3.3b Citizen Consultations-Round-1



1 **50,000** Households consulted

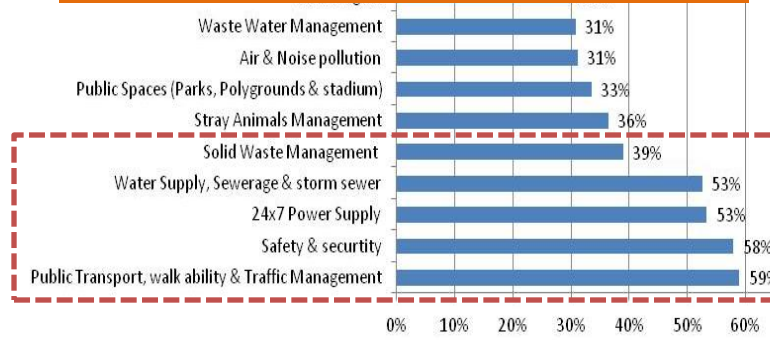


2 **6** Road Shows

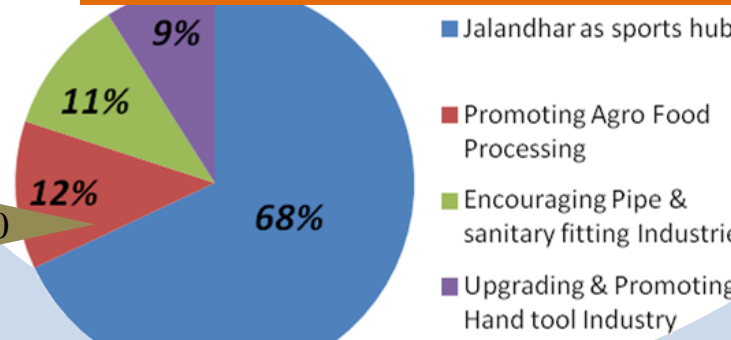


4 **COMPETITION**
 Logo = 93
 Essay = 20

POLL 2: For Priority Sectors



POLL 1: For Vision Development



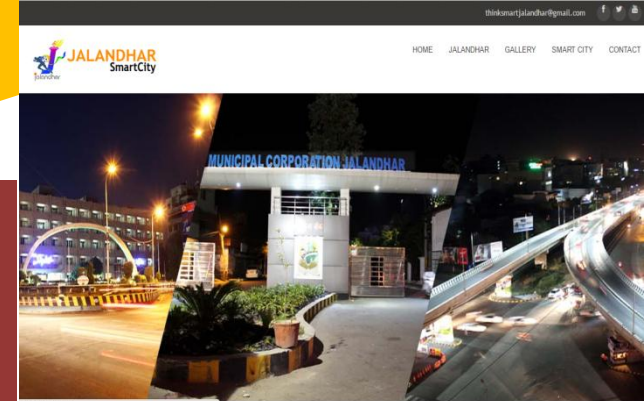
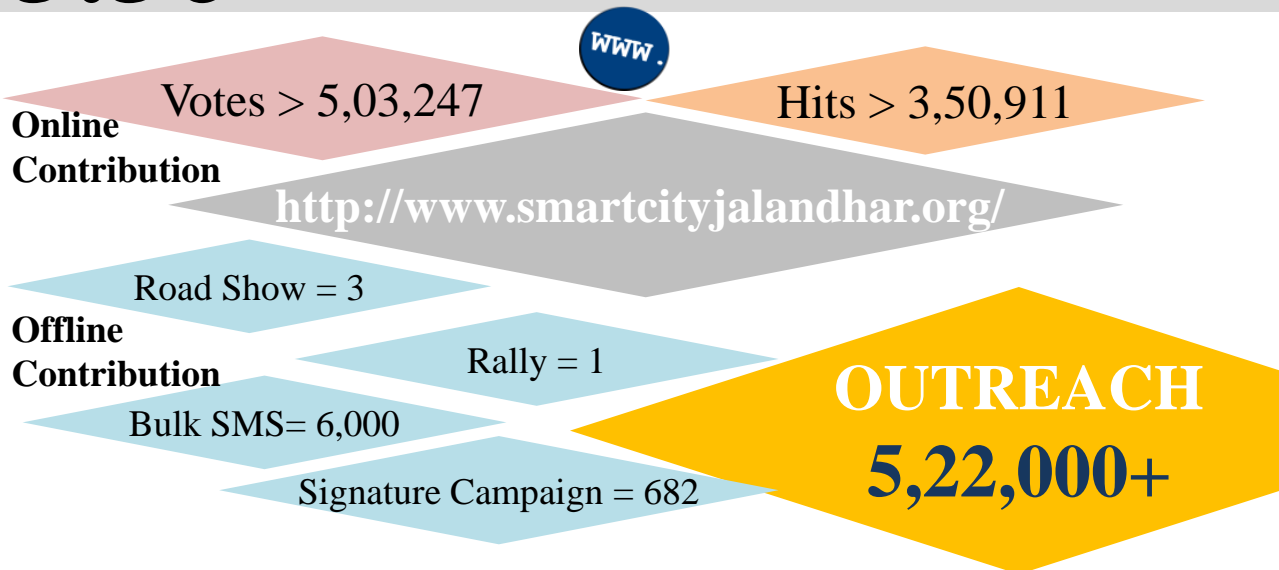
5 **FGDs, Seminar/Workshop - 14,549** Participants

Public Booths

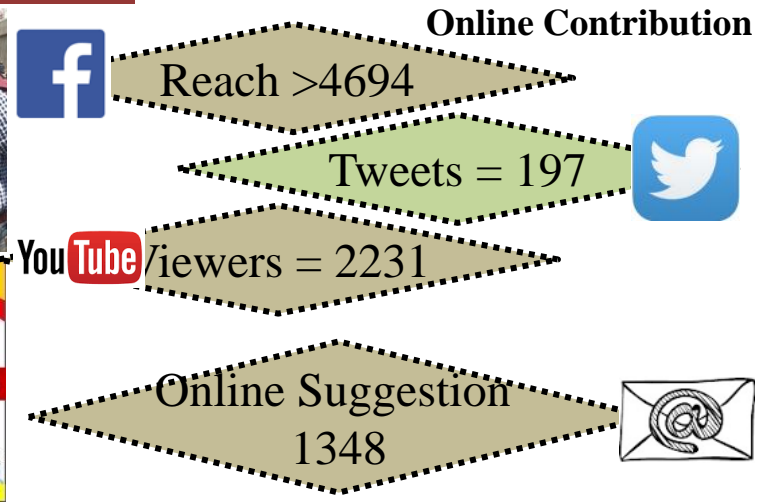


3.3c

Citizen Consultations-Round-2



More than **55%** of population has participated in citizen consultation process (In Round-1 Total Citizen participation was only 2 %).



ROUND: 1

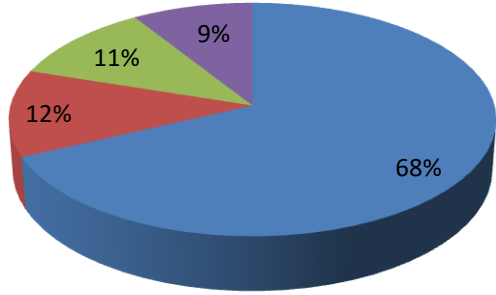
Citizen Consultation

ROUND: 2

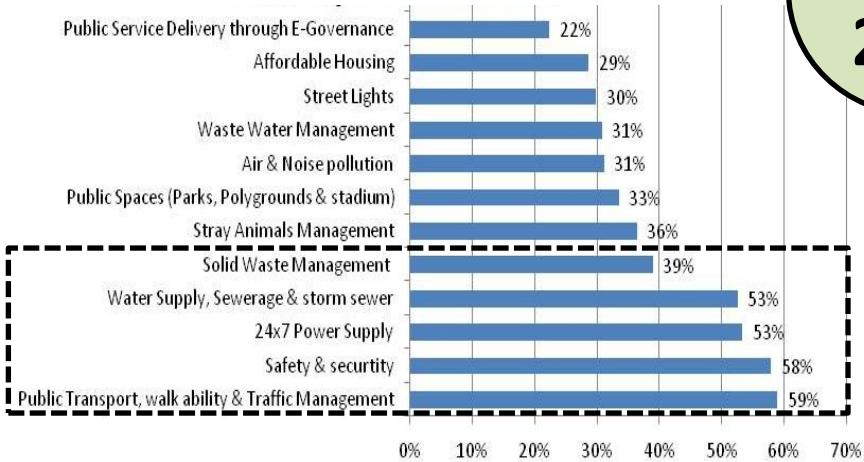
POLL 1: For Vision Development

Jalandhar as a sports hub

- Promoting agro food processing
- Encouraging pipe and sanitary fitting industries
- Upgrading and promoting hand tool industry



POLL 2: For Priority Sectors



Which Project should be implemented first as part of Smart City project for Jalandhar City?

Solid Waste Management-45% votes

What things according to you should be done to improve water condition in the city ?

Rain Water Harvesting -95% Votes

What facility would you like to be there in Sports Hub

Multipurpose Stadium -62% Votes

What facility would you like to be there in Canal Area Rejuvenation ?

Trees and Plantation-69% Votes

What facility would you like to be incorporate for Visible Improvement

Organized parking lots -69% Votes

Model Town Area
16%

Old City Area
26%

Burlton Park area
58%

3.4 SWOT

Strength

1. State's biggest Sports & Surgical good manufacturing hub
2. Possess good Sports Infrastructure
3. Rich cultural & religious heritage
4. Established Media Hub
5. Adequate Education & Health Infrastructure
6. Strong NRI Community aspiring Quality of Life
7. Ranked no 28 in nation and No 1 in Sanitation in Punjab

Opportunities

1. Land Availability to develop Sports Hub and Recreational Spaces
2. Potential to tap the surging demand for Sports & Fitness goods/equipments
3. Proximity to Industrial Hubs/Estates
4. Potential for Skill development centers for industrial promotion

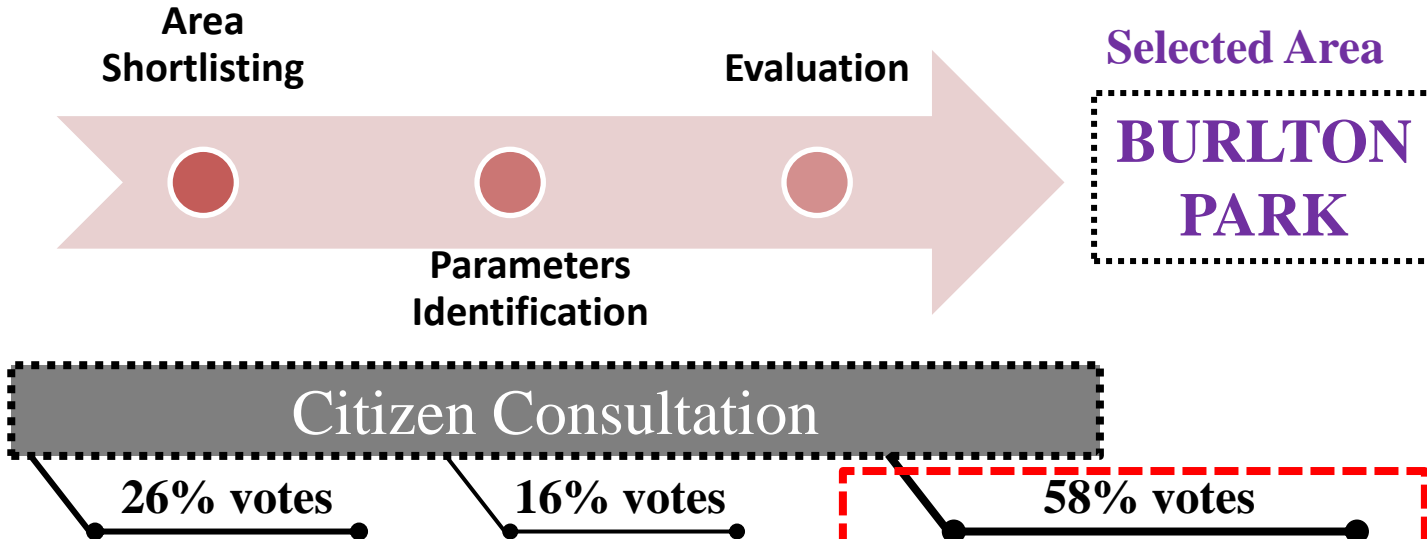
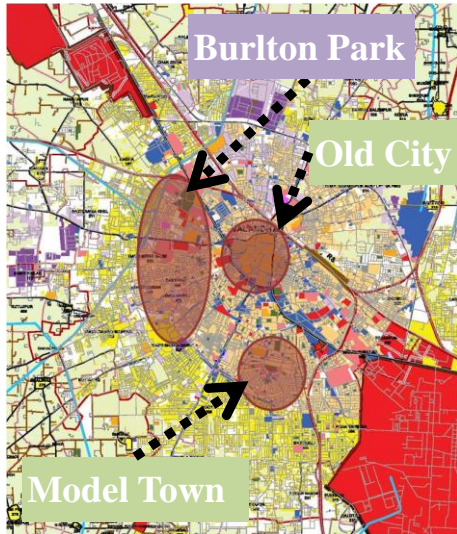
Weakness

1. Public Transport & Parking
2. Storm Water
3. Limited Public / recreation spaces
4. Limited land for infrastructure augmentation

Threats

1. Competition with neighboring countries & States
2. Outmigration of young population

3.5 Area Selection Process



Parameters	Old City area	Model Town area	Burlton Park & the adjoining area
Alignment with Vision	Development can practically give a facelift to the area but no direct linkage with Vision.	No direct linkage with the City's vision	Potential area to be developed as Sports Center & Innovation Hub
Mix of Land uses	Mixed land-use with predominantly commercial & residential	Predominantly residential with less commercial	Good mix of residential, institutional, commercial and recreation
Economic Impact on city	Limited economic impact on trading activities	Limited	Significant Job creation possible with sports and R&D infrastructure
Demonstration effect/ Scalability	Positive impact limited to old city	Limited possibility of high impact	Can be a model area, Scalable & Replicable with high impact
Density	High	Low	Moderate
Availability of Land	No	No	Yes



Area Based Development

3.6 ABD: Burlton Park & Adj. Area

- BURLTON PARK LEGEND**
- 1 Cricket Stadium
 - 2 Hockey Stadium
 - 3 Leisure Park
 - 4 Clubs & Hotels
 - 5 MLCP
 - 6 Indoor Stadiums
 - 7 DAV college (Existing)
 - 8 Canal Pedestrian avenue
 - 9 Pedestrian (Rahgiri) streets linked with existing greens.
 - 10 Gulab Devi Hospital
 - 11 Hansraj College (Existing)
 - 12 Sports & Arts College (Existing)
 - 13 Proposed Flyovers at SMV chowk, Kapurthala chowk, Chikchik Chowk



Total Road Length Bulton Park better identified as

74 Km

Total Area
1010 Acres

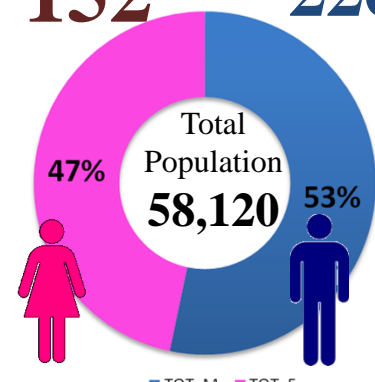
“Sports Hub of Jalandhar”

Open Spaces Per Capita
36 acres **2.7** sq.m

Total Canal Length
(In Bulton Park)
4.8 Km

Industrial Units **152**
Commercial Units **2269**

Total Street Lights
(Sodium Vapour)
5000



63 Acres

of land in Burlton Park is in possession with Jalandhar Municipality

3.6a

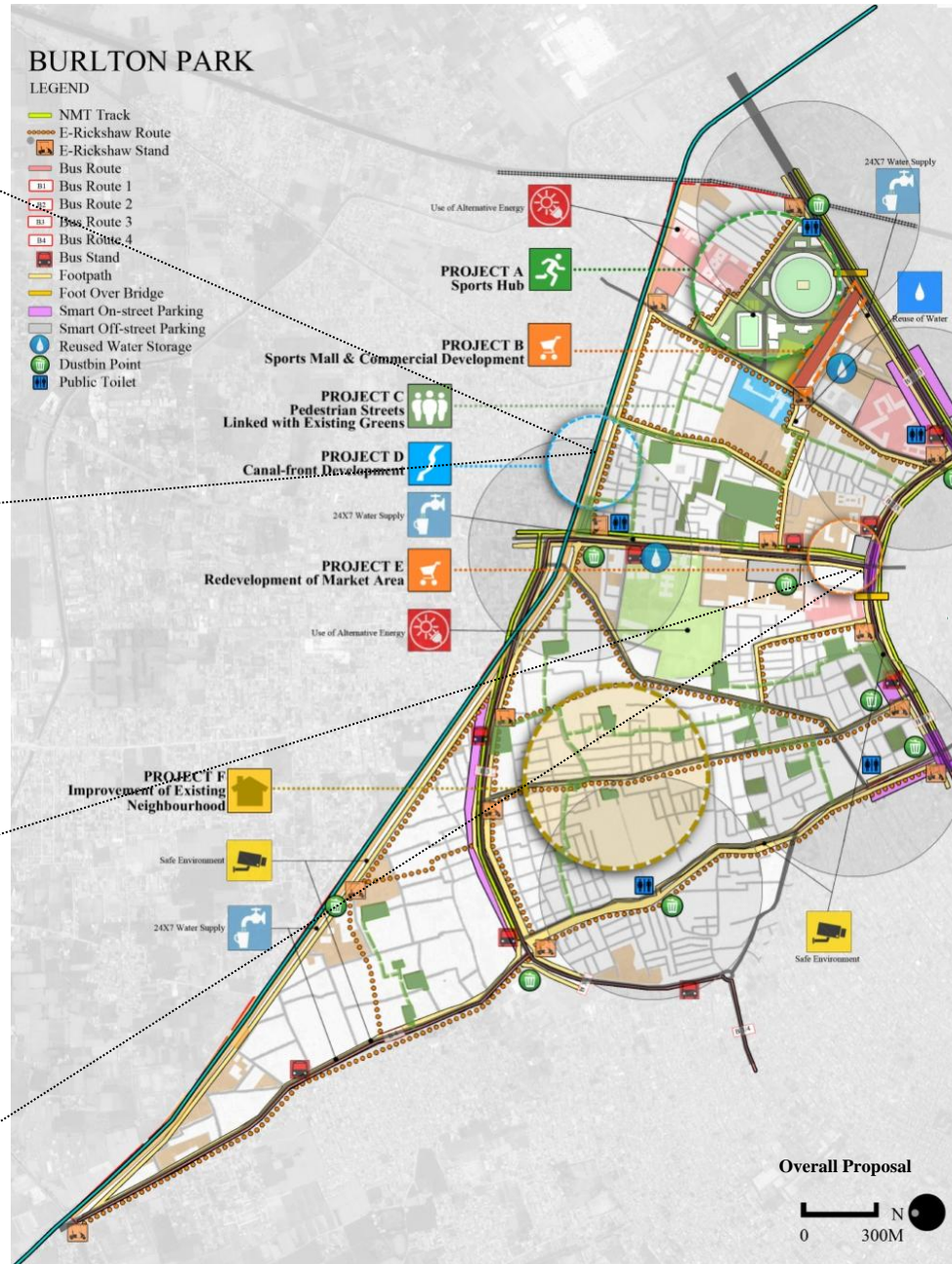
ABD: Proposals



Canal Front Area



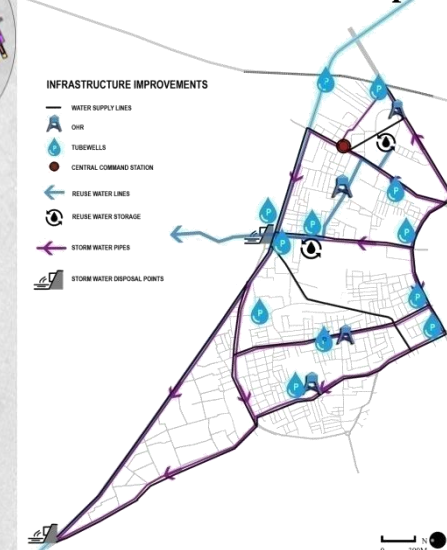
Market Area



Infrastructure Proposal Map 1



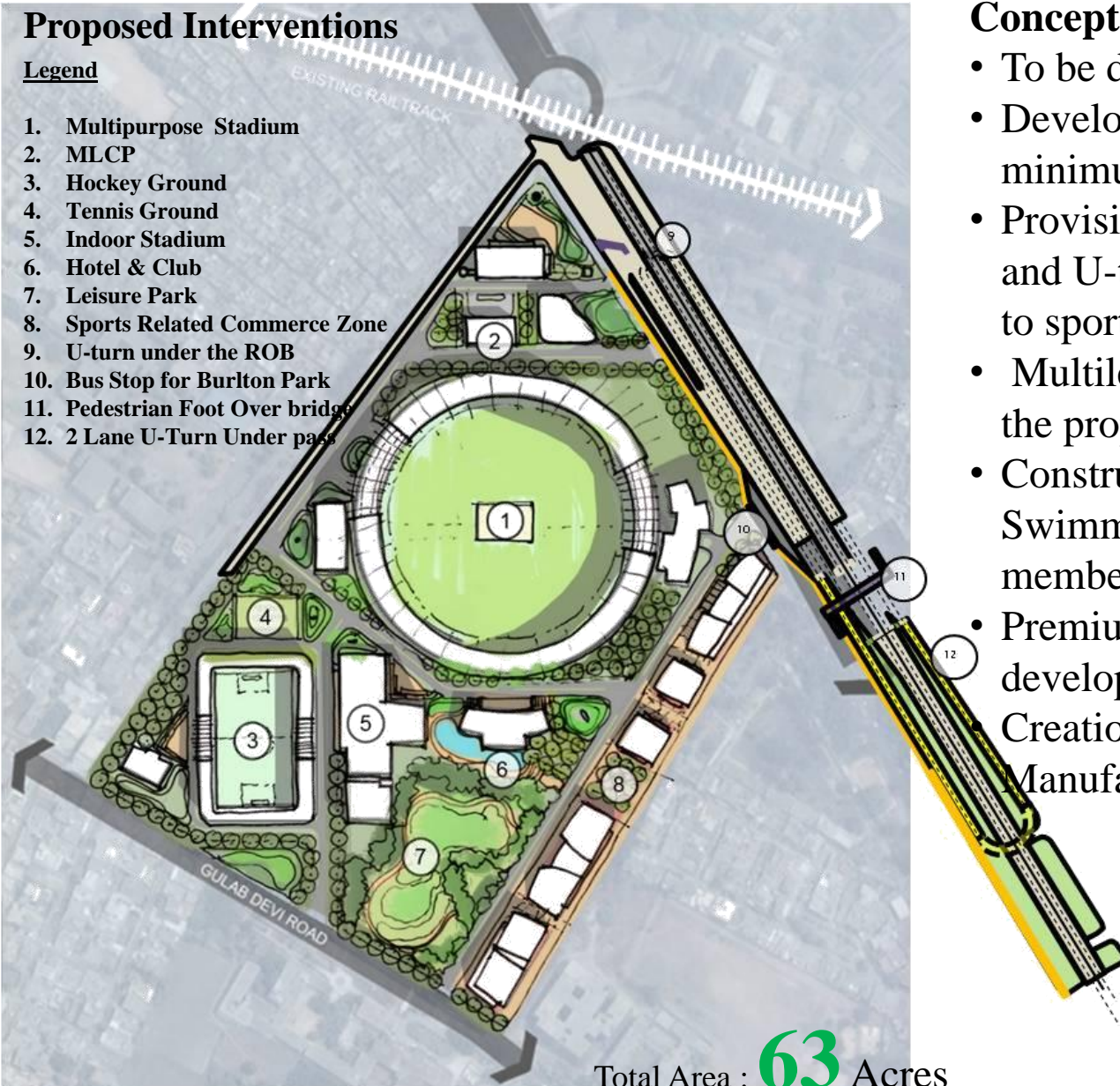
Infrastructure Proposal Map 2



Proposed Interventions

Legend

1. Multipurpose Stadium
2. MLCP
3. Hockey Ground
4. Tennis Ground
5. Indoor Stadium
6. Hotel & Club
7. Leisure Park
8. Sports Related Commerce Zone
9. U-turn under the ROB
10. Bus Stop for Burlton Park
11. Pedestrian Foot Over bridge
12. 2 Lane U-Turn Under pass



Total Area : **63** Acres

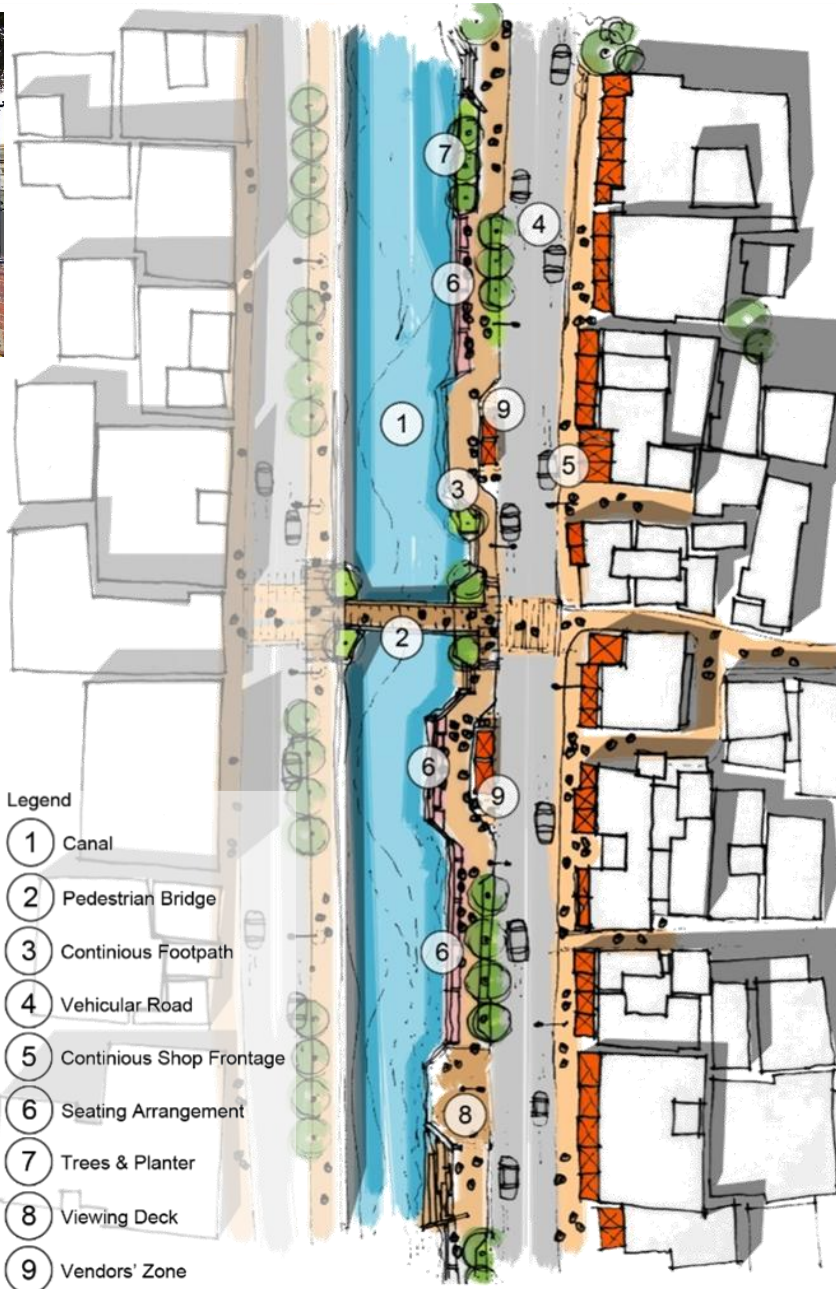
Concept

- To be developed on **PPP** model
- Develop a Multipurpose Stadium of minimum 36,000 seating capacity.
- Provision of Dedicated grade separator and U-turn on HansRaj Marg for access to sports complex
- Multilevel Car parking of 1500 cars in the proposed ABD area.
- Construction of Recreational Club, Swimming pool for minimum 2000 members.
- Premium hotel complex to be developed on 2 acres of land.
- Creation of Marts for Sports Goods Manufacturer



3.8

Bist Doab Canal Area Rejuvenation



24X7 safe, green and walk able promenade

4.8 km

Stretch
upgradation

40 acres

Canal Area
Development

Perennial water flow

Inclusion of **differently-abled, children and senior citizen** by

providing **2 meter wide footpath with tactile paving and steel railing**

Resource Management

100%
LED lights



Sitting spaces at every **250m**

2 nos Pedestrian bridge

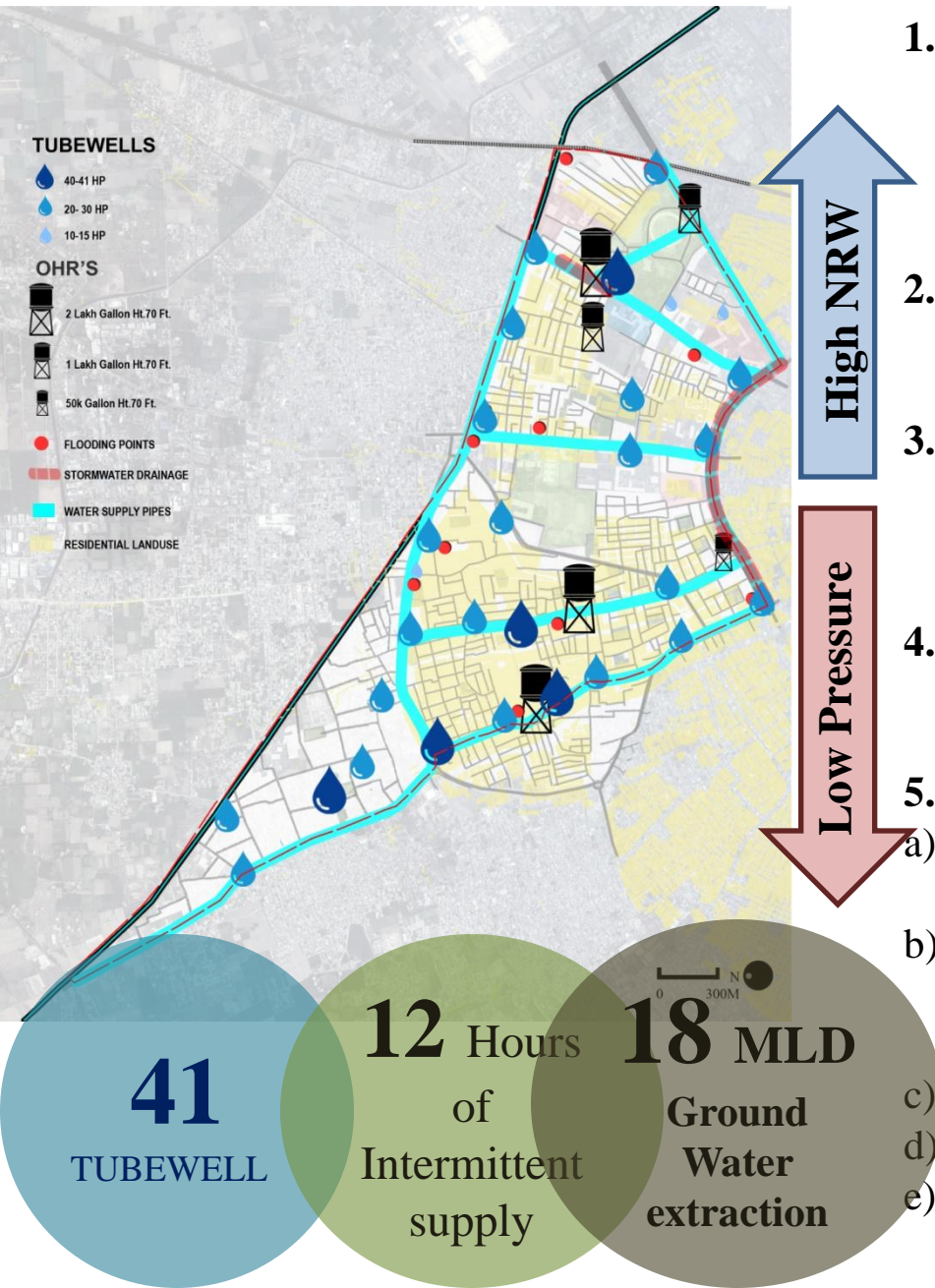
for better linkages

Facade treatment

for existing buildings



3.9a Water Supply Infrastructure: Existing



1. **OHSR's** There are 6 OHSR's in the area having the combined capacity of 3.85 Million liters. These OHSR's are not being used due to bad condition of supply pumps
2. **Water Quality** There is no provision for checking water quality in the area.
3. **Water Transmission System** Water pumped from tube wells is transmitted through old worn out pipes having dia of 12" to 3"
4. **Customer Connections** Only 741 properties (6.4%) have metered connection.
5. **Summary of Present Water Supply Shortcomings**
 - a) Inappropriate and inadequate O&M and Water distribution
 - b) Some of old transmission pipes (Ward 43 & 44 lines laid in year 1975-76) need major rehabilitation works
 - c) Inefficient equipment (high energy consumption)
 - d) Area Lacks Bulk and District Metering
 - e) ABD lacks Rain Water Harvesting & Aquifer Recharge

3.9b Water Supply Infrastructure Augmentation



1. Migrating from area based charges to telescopic volumetric charges.
2. All the existing pumps older than 20 years, to be replaced, resulting in 16.5% power saving amounting to Rs 18 lakhs per annum
3. 65 kms of water pipe line should be replaced.
4. Construction of storage facility having capacity of 3ML (in addition to 3.86 ML) at different locations to ensure **24X7** water supply.
5. Installation of advanced type of **AMR** water meters for all consumers. .

47 Chlorinators to check the quality of water

Replacement of **65 kms** of water pipeline

10
New
OHSRs

(3 MLD)

Replacement of
70 DI Valves

10,000
AMR Readers

16.5%
Power
Saving

2 RFID
Readers

5 MLD
Reuse

6. **SCADA** system (to be converged with AMRUT) for better control & monitoring of water supply system. This will also include installation of District bulk meters to check and control pressures.

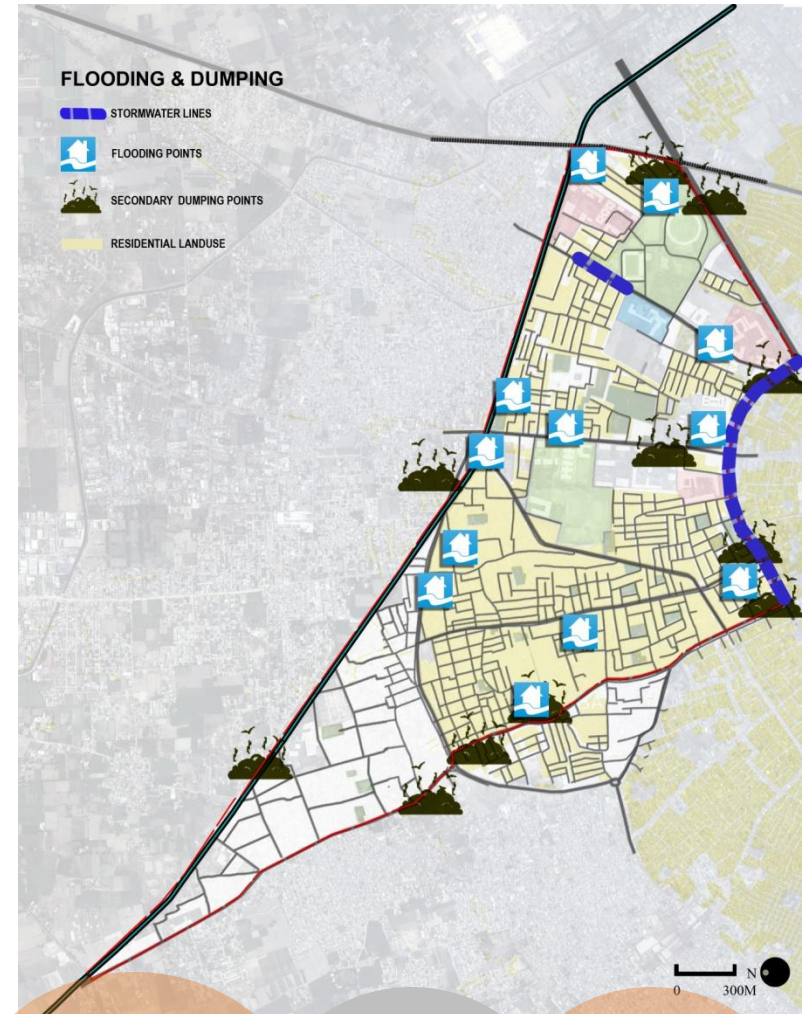
7. **Reuse of 5 MLD of waste water** after treatment from Basti Peerdad STP for uses, such as horticulture, car washing, landscaping in Burlton park there by reducing fresh water demand & inturn ground water depletion

SEWAGE INFRASTRUCTURE

1. **Coverage of sewage network services** The total length of sewerage network in the area is 84 kms. Almost 100 % of the HHs is connected to network.
2. **Sewage Treatment** Complete treatment of sewage is done in Sewage Treatment plant.
3. **Sewage Transmission System** Sewage is transmitted through cement-concrete pipe networks having diameters from 79 inch to 12 inch.
4. **Summary of Shortcomings**
 - a) Lack of infrastructure for reuse of treated waste water.
 - b) Dilapidated sewer lines causing leaching and contamination of fresh ground water.

STORM WATER INFRASTRUCTURE

1. **Water logging areas** 20 water logging points in proposed ABD having detention time from 2 to 12 hrs.
2. **Storm water network** In the proposed ABD storm water network is laid only on 2 % of road i.e on Mahavir Marg.
3. **Recharge well** There is only one (non functional) recharge well on Gulabdevi Road having 20,000 lit/ hr capacity.



**13.5
MLD
Sewage
Generation**

**33%
Cost
Recovery**

**3
Public
Toilets**

SEWAGE INFRASTRUCTURE

1. **Replacement of sewage line** Sewage lines (**15 kms**) which have exceeded their design life
2. **Cleaning of Existing sewer** Super suction machine will be used to increase efficiency of sewage system.
3. **Sensors and SCADA** For efficient management & real time monitoring of sewage.
4. **Construction of Public-Community toilets**
Constructing **9** public toilets in ABD area to avoid open defecation & improve sanitation condition.

STORM WATER INFRASTRUCTURE

1. **Construction of storm water drains** Constructing major drain under footpaths and internal drains (**70 kms** of length) on all the roads
2. **Rain Water Harvesting** through Recharge wells & creation of Small water bodies at public places to minimise effect of flooding and to increase ground water level. Recharge wells are proposed at **20** low elevation levels.
3. **Sensors** Sensors for auto start and closure with centralized monitoring system, to guide pumps to start whenever the water level increases from certain level.

INFRASTRUCTURE IMPROVEMENTS



40 HP
Pumps at
20 Low
Elevations

9 Public
Toilets to be
constructed

3.11 Lighting Infrastructure

Existing Situation

Sl. No	Local Roads	Sub-Arterial & Collector Road	Arterial Road
	40 watt	150 Watt	250 Watt
Ward number	Tube Points	70 Watt Sodium	400 Watt Sodium
1	24	7	12
2	37	12	215
3	38	25	146
4	43	38	202
5	44	48	348
6	45	39	216
7	46	16	116
Total	185	1255	2493
			116
			77

4125 number of sodium vapor street lights covering almost **90 %** of roads in ABD

Proposal

- LED Lights**- Migrating from Sodium Vapour Street lights to LED lights will improve visibility, extend service life and save power.
- Poles** - Modification of existing poles vis-à-vis specifications required for LED lights.
- Sensors** - Brightness sensor which will turn on when it is dark & Central monitoring station which will control of all street lights

To be Converged with Pan City Proposal for LED street Lighting

Rs 30 Lakh/ annum

Saving from LED lights

100%

Roads will have LED lights & sensors

3.12a Transport : Area Based Proposal

Following proposals in Transport is considered

- Integration of Public transport buses infrastructure to Feeder system(Trunk and Feeder system)
- Provision of dedicated E-Rickshaw stands to provide maximum Public transport accessibility in the area
- Provision of “Dial a Rickshaw and App based personalized Rickshaw Booking through mobile phones
- E- rickshaws to be fitted with GPS for Real time monitoring and management by SPV
- E-rickshaw will replace old diesel autos in the area to provide haphazard and pollution free environment
- E- rickshaw to be regulated through SPV for Route permits and Licenses to run in the area
- E-Rickshaw booking App to be managed by SPV

E RICKSHAW

- E Rickshaw Stand
- E Rickshaw Route

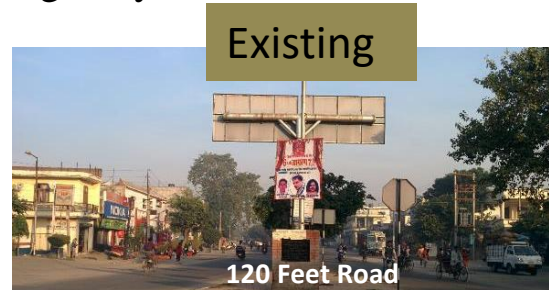
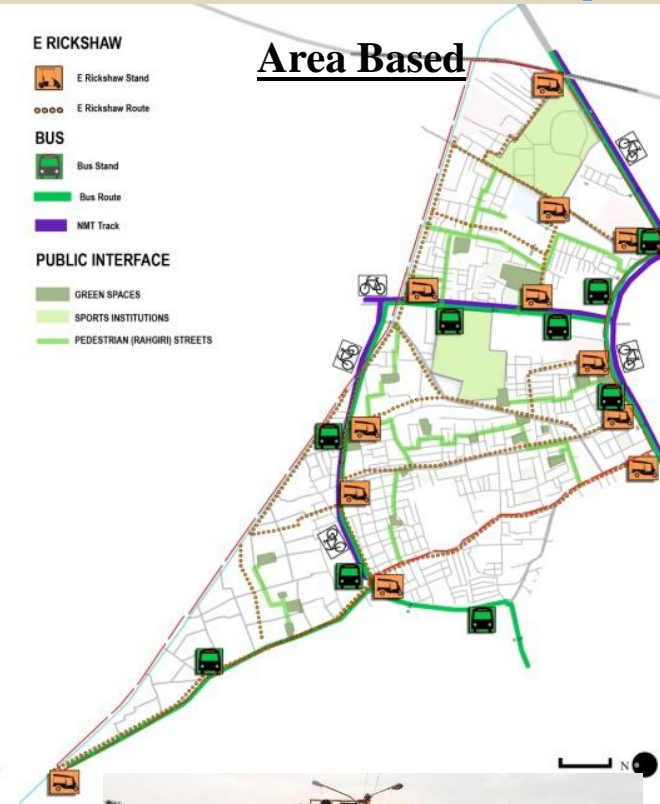
BUS

- Bus Stand
- Bus Route
- NMT Track

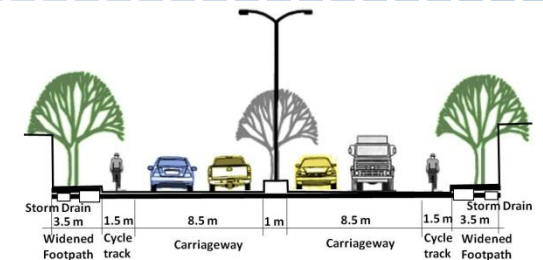
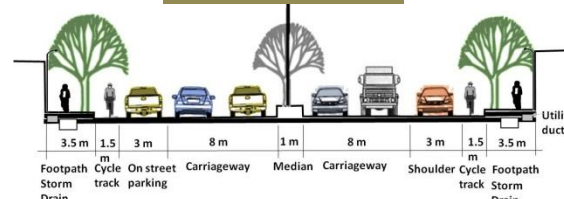
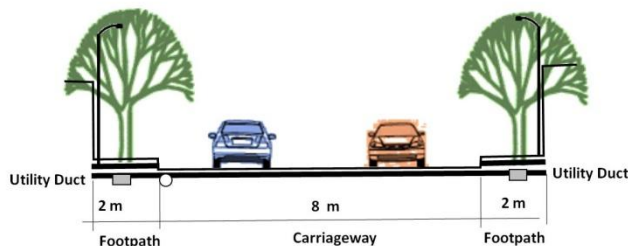
PUBLIC INTERFACE

- GREEN SPACES
- SPORTS INSTITUTIONS
- PEDESTRIAN (RAHGIRI) STREETS

Area Based



Proposed



Smart Parking Proposals in ABD

Location	Type	Area (sqm)	Capacity Parking bays
G T Road	Off street	12500	540
120 feet Road	On street	6000	400
Adarsh Nagar Park	On street	900	65
Guru Ramdas market area	Off street	5000	200
Danishmandan / Basti Adda Road	On street	400	80
Kapurthala road Adarsh nagar	Off street	9000	390
Total		33,800	1675

Grade Separated U-turn on Hansraj Marg



Padeestrian Facilities in ABD (24.83 Kms)

Location	Proposal	Length (km)
G T Road	Pedestrian foot path and cycle tracks	2.15
Mahavir Marg	Pedestrian foot path and cycle tracks	2.86
Kapurthala road	Pedestrian Footpath	2.37
120 feet road	Pedestrian foot path and cycle tracks	2.45
Danishmandan road/ Basti Adda Road, JP Nagar	Pedestrian Footpath	10.4
Other local roads	Pedestrian Footpath	4.6



Pan City Proposals

3.13a Transport Infrastructure: Existing

1. Road Network Characteristics

- 40% of the roads are 2-Lane and only 6% are 4-Lane
- 25 intersections are signalized across the city
- 7 major at-grade railway crossings across the city

2. City Bus System- City currently does not have any organized Public transportation system. 15 low floor standard non AC buses were operated by private operator were stopped in 2014 owing to completion of contract period.

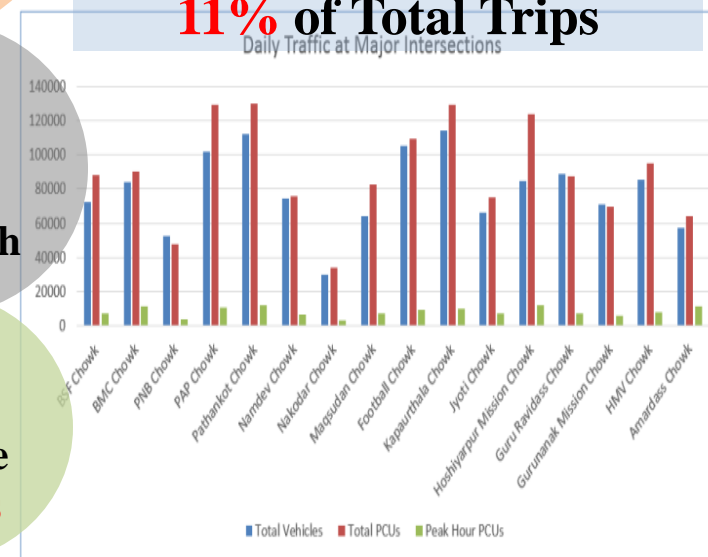
3. Parking- Currently no organized paid parking spaces are available in the city. Two basement parking with a limited capacity of 70 cars and 35 two wheelers are operating on PPP basis. Vehicles are largely parked on-street leading to congestion

**26
Kmph
Avg
Traffic
speed**

**60%
Roads
have
Footpath**

**Avg
Travel
Distance
- 5 Kms**

**15000 Diesel Auto
Rickshaw
Catering to
11% of Total Trips**



Sl. No	Name of the Road	Peak Hour (PCU)	V/C	LOS
1	Mahaveer Marg	7177	1.22	F
2	Model town Road	1239	0.71	C
3	Nakodar Road	9511	1.24	F
4	Nehru Garden	1467	0.72	C
5	Nehru Garden Road	2368	1.56	F
6	Old GT Road	6293	1.71	F
7	Old GT Road (DAV)	3054	1.75	F
8	120ft Road	2767	0.56	B

Table1 : Existing V/C ratios on major roads

4. Pedestrian Facilities- No pedestrian phasing, pelican signals or FoBs across the city. Existing footpaths remains largely unused due to hindrances by utilities, trees etc.

5. Non Motorized Transport Infrastructure- No NMT infrastructure available in the city

6. Enforcement and Penalisation- All enforcement and penalisations are done manually only.

3.13b Transport : Pan City Proposal

1. Smart City Bus System (SCBS)

- Construction of 216 new bus Q shelters and renovation of 47 existing Q shelters are proposed
- Renovation and up-gradation of existing depots and terminals are proposed

2. ITS Infrastructure for SCBS-

- The new bus is equipped with GPS Tracking System, LED Display Boards and Audio Units
- Control Centre controlling and monitoring various on field ITS equipment and equipped with Video Wall, Online UPS, Smart Card issuing and MIS

AMRUT

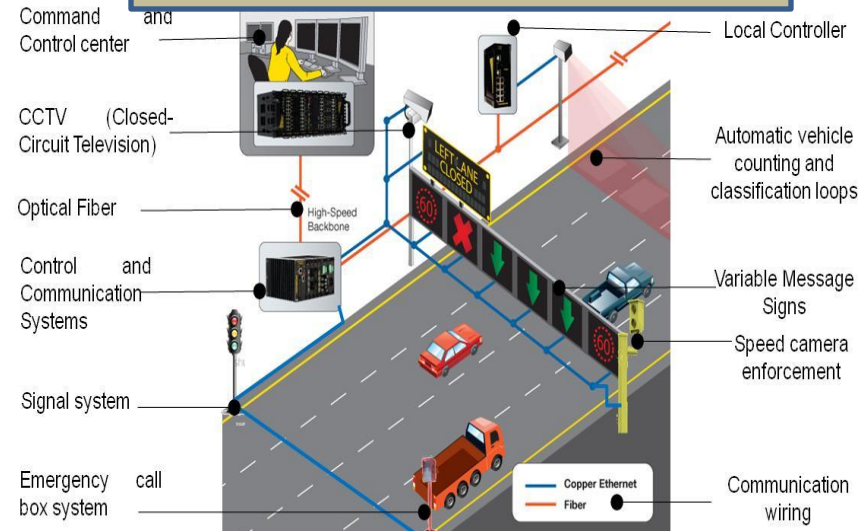
128 AC & Non AC Buses on 13 Routes

9 - Parking facilities
Parking 4000 ECS capacity

Augment 33 kms footpaths



Advance Traffic Management System



Functional Areas of ATMS



3. Vehicle Actuated Signals (VAS) with Area Traffic Control System (ATCS) Compatibility-

25 existing signalized intersections are proposed to be up-graded to VAS with ATCS compatibility. 100 new non-signalized intersections to have same facility with master controller and video wall

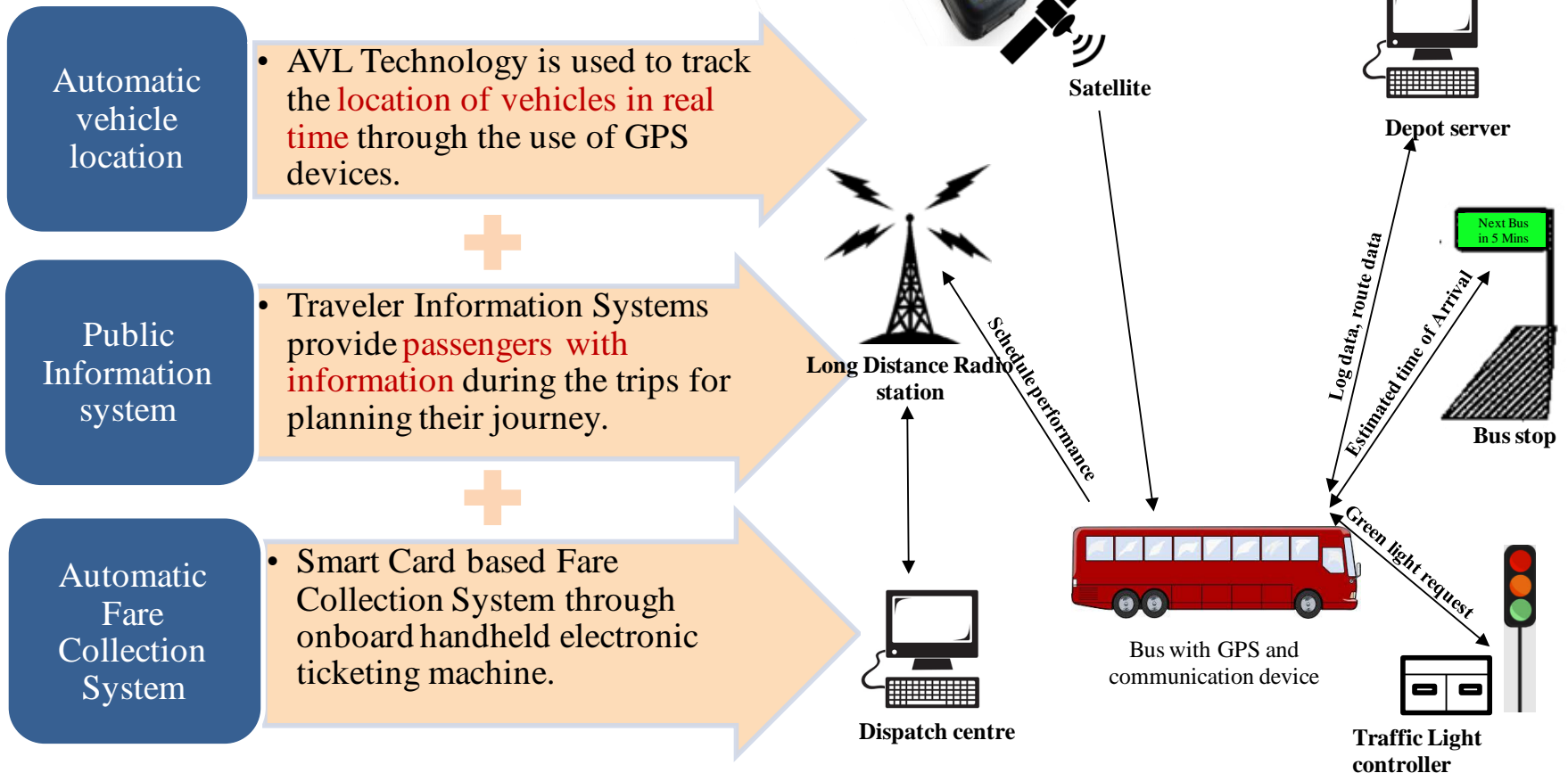
4. Traffic Enforcement Through CCTV Surveillance System-

A comprehensive CCTV based safety and security system is being proposed. As part of this system an integrated suite of complementary solutions including ANPR, RLVD,, Penalty Management and Public Access System is proposed.

3.13c Transport : Pan City Proposal

1. Advance Public Transport System

- APTS seek to apply transportation management and information technologies to public transit systems to increase their efficiency of operation and improve the safety of public transportation riders



3.14a ITSPUPS – Public Utility

Smart Solutions

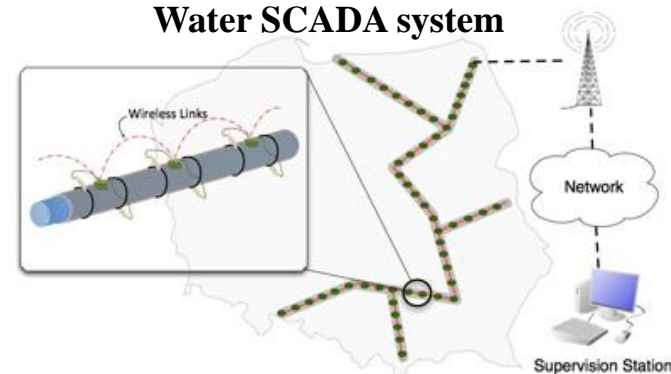
1. GIS based mapping & consumer indexing
2. Predictive Analysis
3. Consolidated view of water network via schematics
4. Data Analytics using data from across the Water Network
5. Real-time monitoring of utility meter readers
6. Smart Billing & Collection

ICT Tools

1. Water SCADA
2. Outage Management System solution
3. Leakage sensors/Ghost Pipe detection systems
4. Sensor in Sewer Line Infrastructure



Water SCADA system



ICT based Leak Detection system

ICT based LED Street Lighting (LSL) management.

81000 Sodium vapors street lights shall be replaced with LED lights equipped with photo sensors, wireless sensors & micro-controllers for enabling automatic ON/OFF



LSL solution to be implemented & managed by PSU company

LED effect

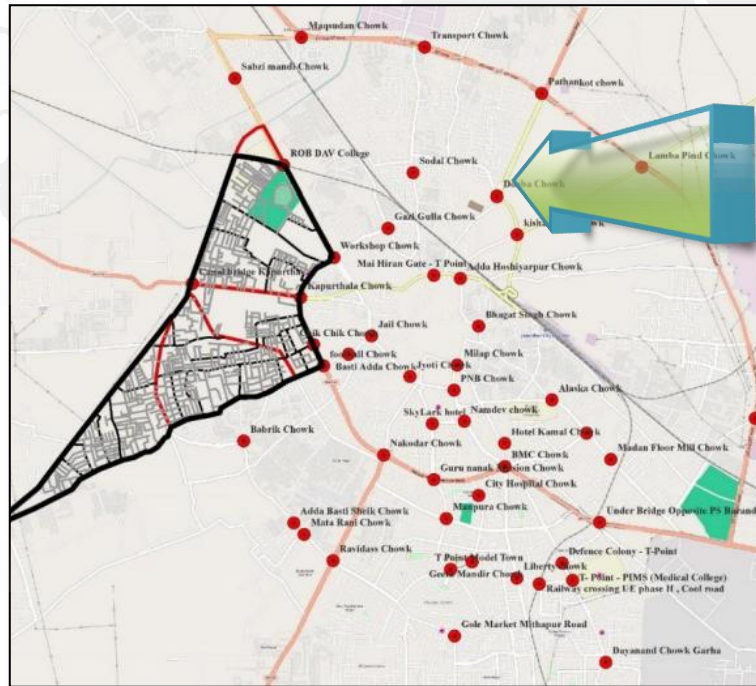


3.14b ITSPUPS: Public Safety

Command & control center equipped with GIS
That aims to achieve:

Network backbone built on wireless and fiber network to relay information through the above mentioned equipment to Data centers & enabling quick- real time decision making.

- 1 Video Management and Video Analytics tool
- 2 Computer Aided Dispatch (CAD) with Dial-100(Accessing Police in Emergency)
- 3 Public Address System, Social Media Integration and workflow pattern to monitor
- 4 Smart Intelligent Applications to prevent Crime
- 5 System Alerts, Recorded Alarm messages to the phone of requisite in charge in the event of Alarm condition.
- 6 Customized Dash-Boards for various line Departments.
- 7 Regulation of traffic , enable expeditious emergency and Disaster Response.
- 8 Collaborative Monitoring.



Safety And Security Through City Surveillance System

- Cameras & sensors at **78** vulnerable locations
- Fixed cameras
- PAN tilt zoom cameras (PTZ)
- Automatic Number Plate Recognition (ANPR)
- Installation of Smart poles at vulnerable locations with Wi-Fi capability , LED lights, Cameras.



Other Smart City Interventions

3.15 Smart Interventions

PAN CITY

Wi-Fi

• To run any ICT based technology like, SCADA, E-classrooms, E-healthcare, Real time monitoring through CCTVs etc. city wifi is the basic requirement.

• City has identified **78** locations, where **wifi hotspot** will be installed (through PPP) . These hotspot will also provide free connectivity to the citizens in public places.



AREA BASED DEVELOPMENT

Roof Top Solar (Solar City Mission)

- Establishing **Roof top solar infrastructure** on Institutional area (1.49 Lakh sq mt) to meet energy demand from renewable sources.
- Reliance of solar power cause CO2 reduction by 81 tons/day after implementation.

E-EDUCATION:

Department of Education

- All the public schools in ABD connected with Broadband. Digital literacy through Smart Class
- Replacing all Receive only Terminals ROT's with Satellite Interactive Terminals..
- Providing computer education starting from class 1st.

E-HEALTH

Department of Health

- Online Medical consultations which includes Telemedicine including Tele-Diagnosis, Tele-Monitoring , Tele-Conferencing
- App Based Telemedicine system for delivery of Health services like vaccination alerts etc

Utility Duct

- Underground utility ducts on all roads (80 kms) in the area based development.
- Electricity and telecom services will run through this utility duct

3.16 Smart Infrastructure in ABD

WATER SUPPLY



SCADA

SEWERAGE



Super Suction Machine

STORM-WATER

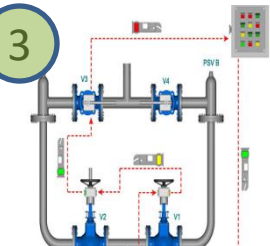


Laying of Storm Network

STREET LIGHTING



LED Light



1. Smart Meter
2. Automation Tube well
3. DI Valves



Public Toilet



Sensor on Storm Network



Sensor on Sewage Pipe



Rain Water Harvesting



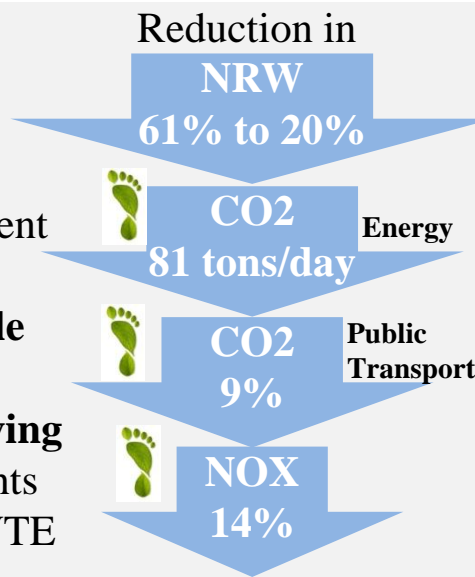
Smart Poles for LED

3.17

Tangible Outcomes and Economic Impacts

Initiatives for Smart City

- **>6000** Direct and indirect **job** generation
- **9%** (91 acres) increase in the recreational area & **open spaces**.
- **16.5% Energy saving** from efficient pumps.
- **17.88 MW** Reliance on **renewable energy**
- **>16 Crore/yr** worth **Power Saving** from installation of LED street lights
- **8MW Power generation** from WTE plant



**Compact,
 Connected and
 Business
 friendly city**

**Easy access to the services
 Reduction in crime
 (City Surveillance)**

QUALITATIVE

- **Sustainable habitat** (slum redevelopment)
- Promoting inclusion of all differently-abled, children, senior citizens, females through **inclusive design forms**.
- Improved environment and **healthy livability**
- Enhanced **unobstructed pedestrian**
- **Improvement in ground water table**
- Reduction in Carbon footprints
- **Improved sanitation condition** with less open defecation
- Negligible outages

100%

- **Metered connections** for Water Supply
- **Water quality**
- **Cost recovery** in water supply services, sewage management and SWM services

90%

Collection efficiency of water supply charges and SWM charges

80%

Customer complaints redressal

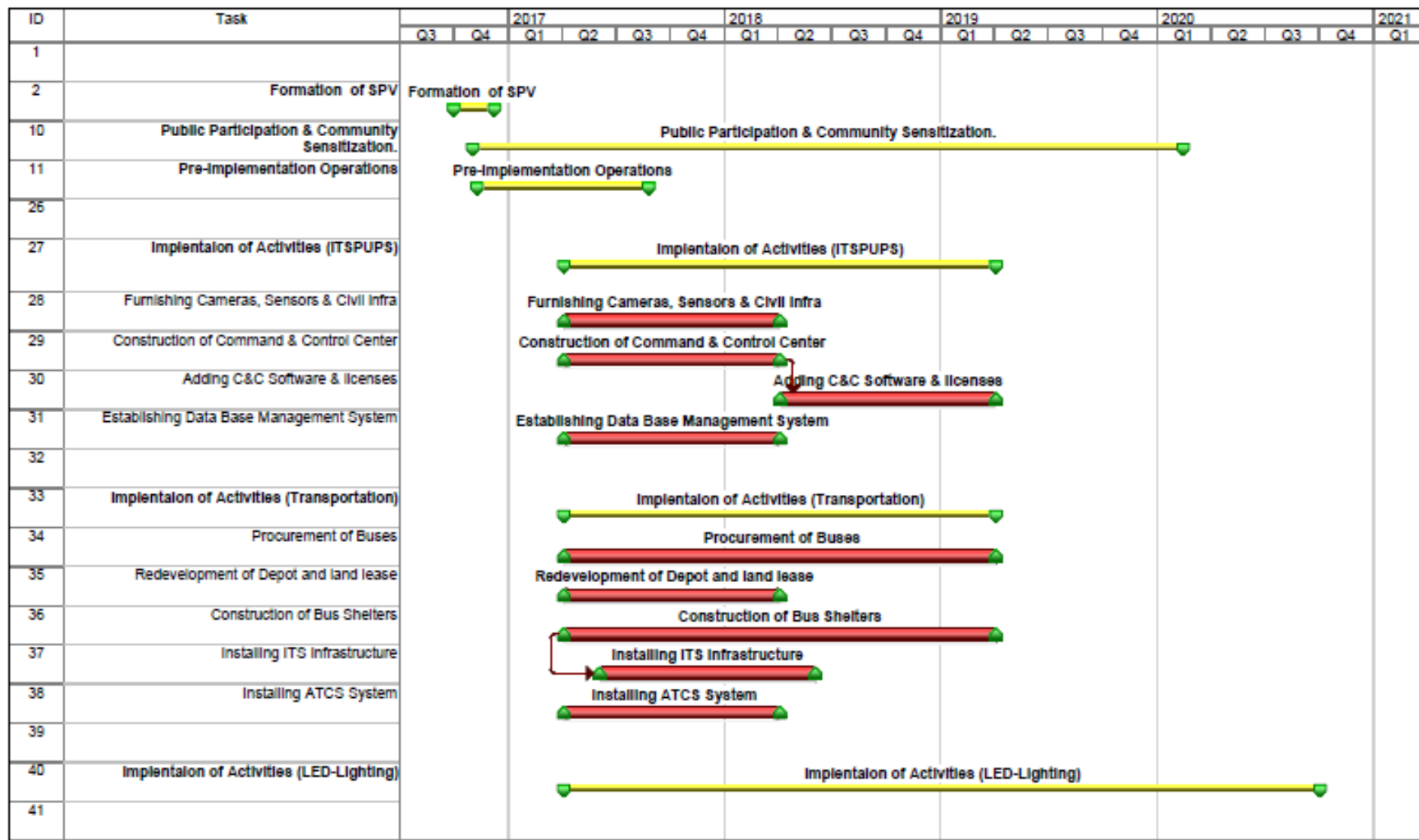
37%

Water demand through treated waste water

24X7

Water Supply

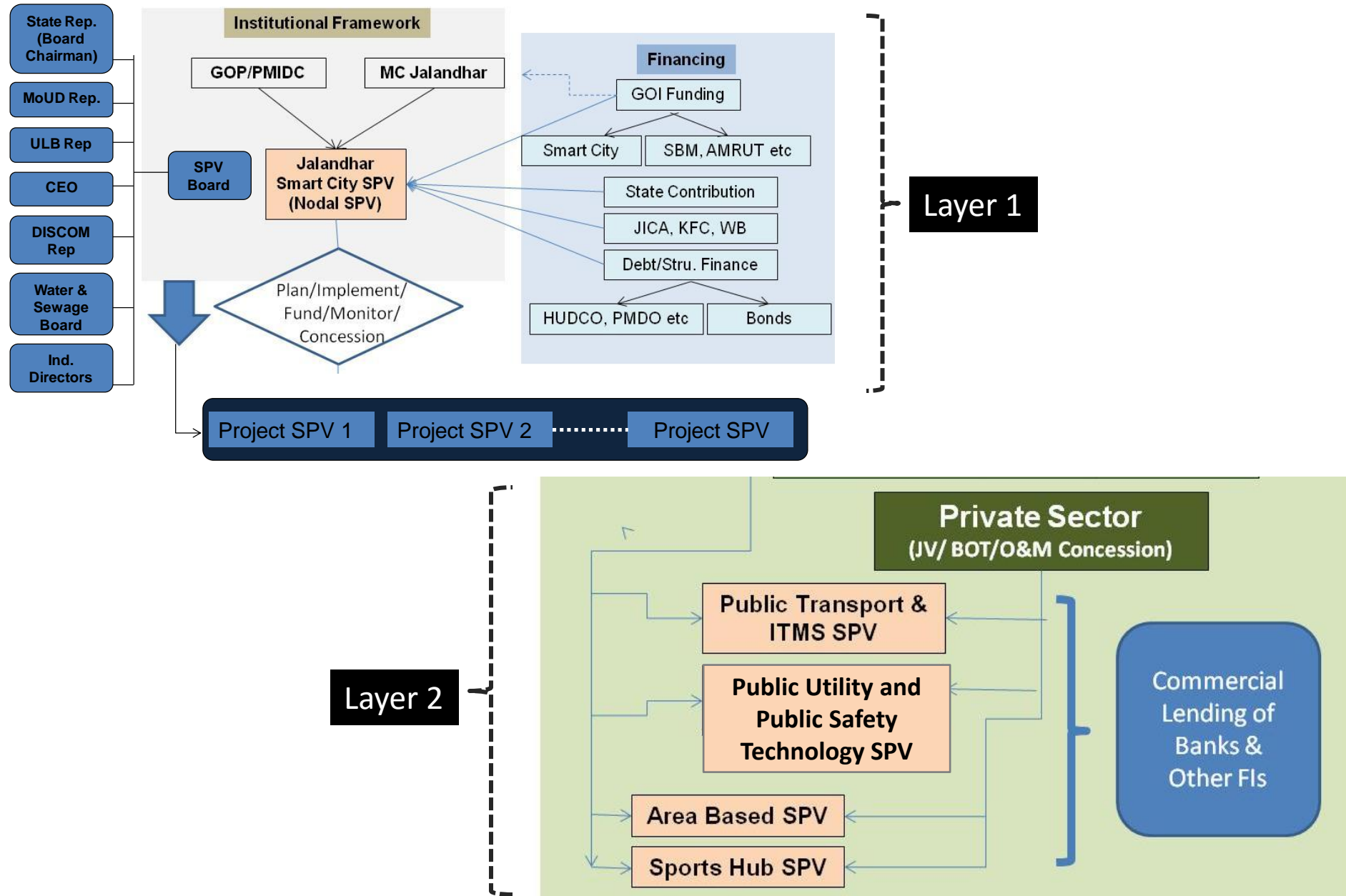
3.18a PERT & CPM Chart-1

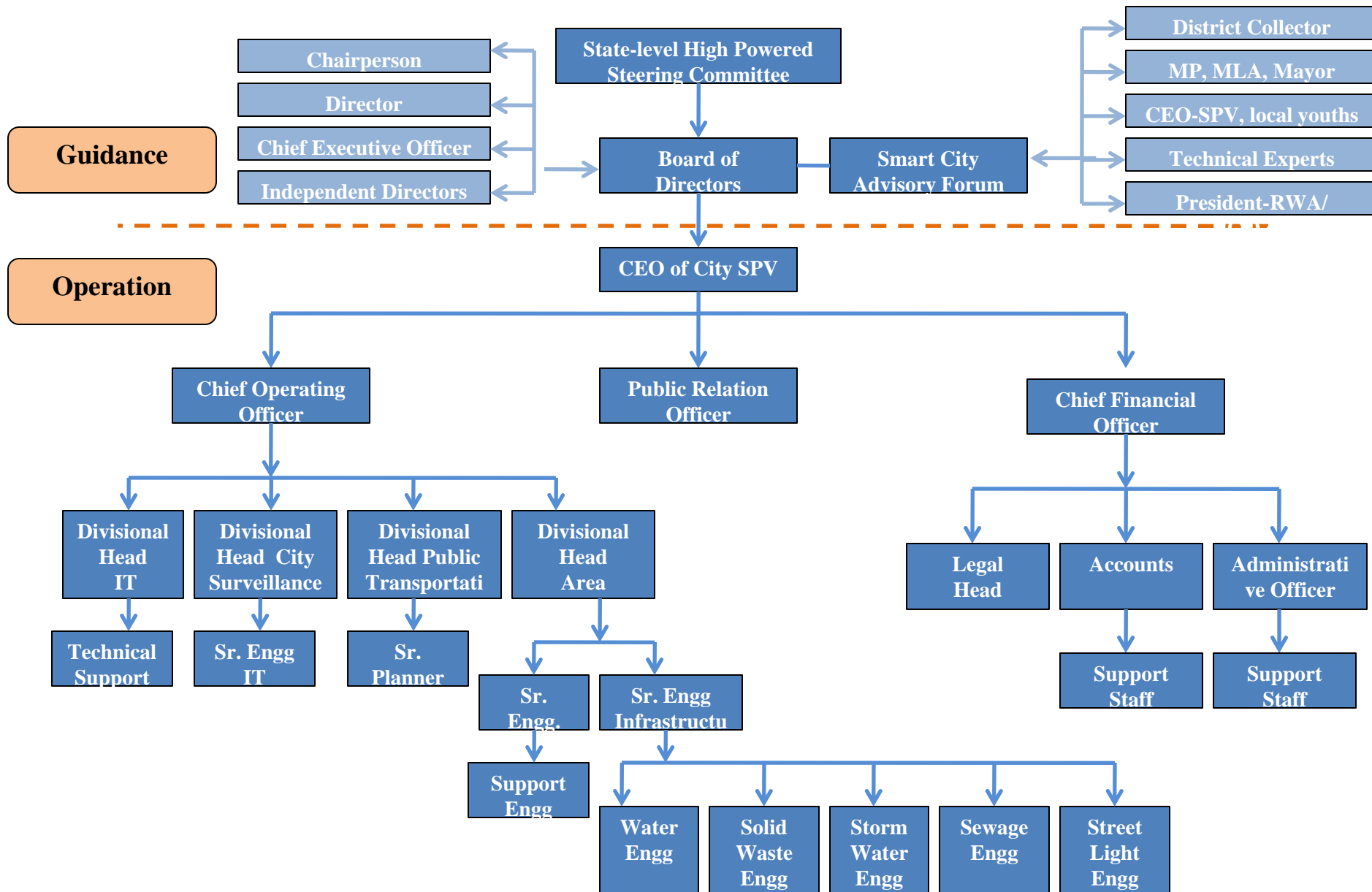


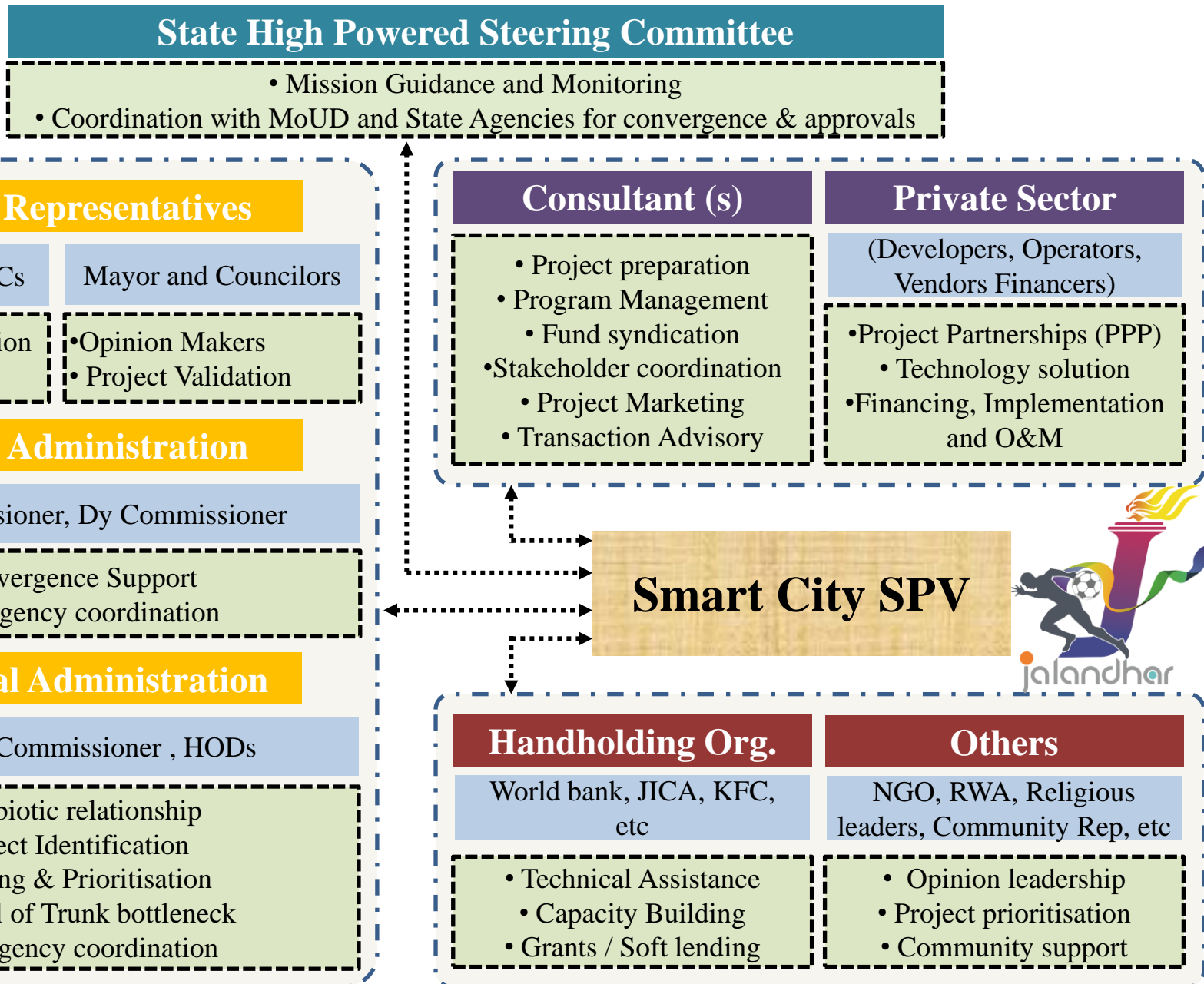


Project Cost & Implementation Structure

3.19a Institutional Structure







3.21a CONVERGENCE - AREA BASED

1. AMRUT (Water Supply and Sewerage)

Aspect	Total Outlay	Convergence
Water	109.58 Cr	8.11 Cr
Sewerage	159.40 Cr	0.92 Cr

10 OHSRs , 57 Bulk water Meters and SCADA system

1000 sewerage connections

2. Swachh Bharat Mission & Solid Waste Management

Aspect	Total Outlay	Convergence
SBM	67.80 Cr	Pro Rata
SWM	133Crs	8.8 Crs

9 sites in ABD have been identified for construction of public toilets

3. City Based Gas Distribution (CGD)

Total Outlay	Convergence
Rs 500 Crs	Rs 32.64

24x7 water availability in the canal passing through city.

Creation of synthetic athletic track, synthetic turf football ground and multipurpose hall ,Redevelopment of Burlton Park .

4. Assistance under for the creation of Sports Infrastructure- 4.5 Crs

5. Roof Top Solar (RTS) through Solar City Mission

Subsidy : Rs. 59.73 crs

To meet energy demand of ABD through **RENEWABLE SOURCES.**

6. GIS project

Convergence : Rs 2 Crs

This Data base will help SPV for quick implementation of ABD Projects.

7. Rehabilitation of Bist Doab Canal Project

Outlay : 320 Crs (Complete Canal)

8. Pradhan Mantri Kaushal Vikas Yojna / Punjab Nirman Scheme

Financial Support for Skill Development

OTHER SCHEMES

9. Digital India

10. Accelerated Power Development Reform Programme

11. Housing For All

AMRUT

1

A. Transportation

Total Outlay: 266 Crs

Convergence : **128 buses & ITS system -59.47 Cr**

B. Water

Convergence : **SCADA System
30 Cr**

GIS based Database

3

Convergence: **Rs 2 Cr**

This Data base to be shared with the SPV for quick planning & implementation of both **ITSPUPS** and **Public Transport** Projects.

E- Governance

**For efficient
delivery of services.**

Digital India

Free Wi-Fi

6

Safe city Scheme/ Project Ankhen

2

Installation of **SURVEILLANCE CAMERAS** at strategic locations in the City.

City Based Gas Distribution (CGD)

Total Outlay: Rs 500 Cr

Convergence: **9 Cr**
CNG infrastructure to support **Public Transportation**

4

LED Street Lighting

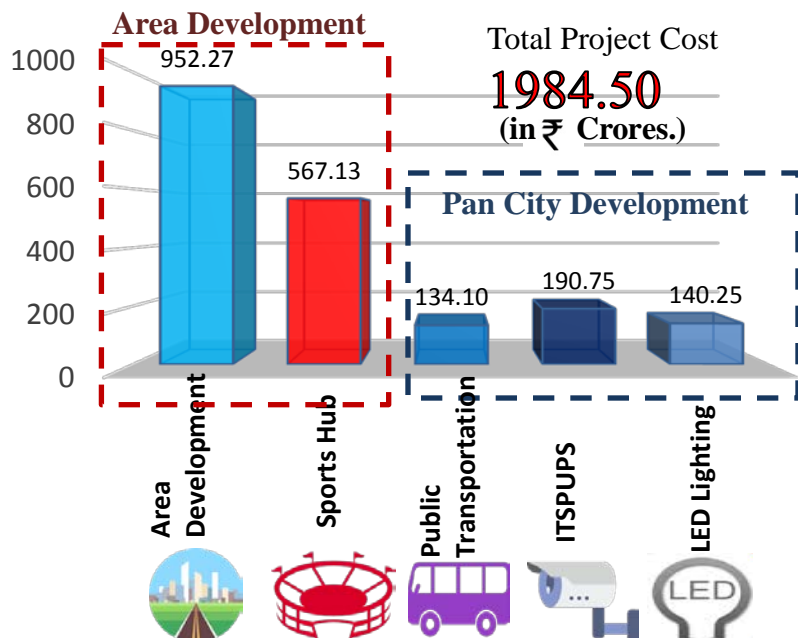
Independently Financed,
Managed & implemented by PSU
company like M/s EESL

Sodium vapor lights shall be replaced with LED lights (81000 in nos) with a project cost of **140.25 Cr**

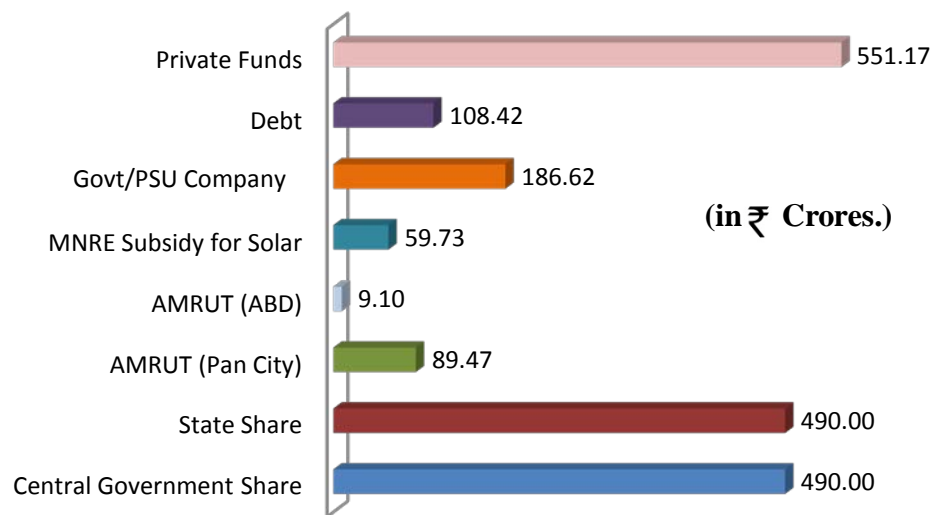
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3.22a Project Cost And Financing

Components	Estimated cost	Phasing of project				Means of Finance					
		Year 1	Year 2	Year 3	Year 4	Smart City	AMRUT	MNRE	Private	Govt/PSU Company	Borrowings
Area Development (Retrofitting)	919.63	181.23	204.15	283.78	250.48	703.45	9.10	59.73	91.48		55.86
Gas distribution (PNG) in ABD	32.64	6.00	6.30	9.92	10.42	0.00				32.64	0.00
Burton Park Sport Hub (Redevelopment)	567.13	223.02	344.12	0.00	0.00	115.72			437.72	4.50*	9.19
Public Transport (Pan City)	124.88	59.47	38.64	26.77	0.00	27.30	59.47		5.95		2.17
Gas distribution (CNG) in Pan city	9.23	4.50	4.73	0.00	0.00	0.00				9.23	0.00
ITSPUPS (Pan City)	190.75	113.38	77.37	0.00	0.00	133.53	30.00		16.01		41.20
LED Street Light (Pan City)	140.25	82.50	57.75	0.00	0.00	0.00				140.25	0.00
Total	1984.50	670.09	733.05	320.47	260.89	980.00	98.57	59.73	551.17	186.62	108.42



Note: * Scheme of Assistance for creation of Sports Infrastructure



Means of Finance

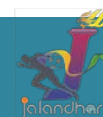
3.22b Cash Flow Statement

Cash flow Statement

Year	1	2	3	4	5	6	7	8	9	10
INFLOWS										
CENTRAL GOVERNMENT SHARE	196.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00
STATE SHARE	196.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00
AMRUT (PAN CITY)	41.76	34.32	13.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMRUT (AREA BASE)	1.79	2.02	2.81	2.47	0.00	0.00	0.00	0.00	0.00	0.00
MNRE SUBSIDY FOR SOLAR ASSISTANCE FOR CREATION OF SPORTS INFRASTRUCTURE	5.87	11.27	17.75	24.85	0.00	0.00	0.00	0.00	0.00	0.00
DEBT*	0.00	70.90	50.53			0.00				
BONDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET REVENUE	-9.06	-7.66	1.89	30.42	25.24	23.80	69.86	46.03	75.17	53.78
TOTAL INFLOW	432.36	311.35	282.36	253.74	25.24	23.80	69.86	46.03	75.17	53.78
OUTFLOWS										
CAPITAL SUPPORT TO AREA BASED SPV	163.32	184.09	255.59	225.15	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL SUPPORT TO SPORTS SPV	52.95	76.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL SUPPORT TO ITSPUPS SPV	103.84	70.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL SUPPORT TO TRANSPORT SPV	53.52	38.64	26.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEBT REPAYMENT	0.00	0.00	0.00	0.00	30.36	30.36	30.36	30.36	0.00	0.00
TOTAL OUTFLOW	373.63	370.09	282.36	225.15	30.36	30.36	30.36	30.36	0.00	0.00
BALANCE	58.73	-58.73	0.00	28.59	-5.12	-6.56	39.50	15.67	75.17	53.78
OPENING BALANCE	0	58.73	0.00	0.00	28.59	23.47	16.91	56.42	72.09	147.26
CLOSING BALANCE	58.73	0.00	0.00	28.59	23.47	16.91	56.42	72.09	147.26	201.04

Note: * Including cash deficit of 2 years

3.22C Financials of Smart City Project



S. No						(All figures in Rs. Crores)
Downstream SPV Financials						
		Total	Area Co	Sports Co	PUPS Co	Trans Co
A	Capital outlay	1802.39	919.63	567.13	190.75	124.88
(i)	Seed capital from Nodal SPV	1251.21	828.14	129.41	174.73	118.93
(ii)	Private Capital	551.16	91.48	437.72	16.01	5.95
B	O&M cost (10 yrs period)	776.12	186.76	78.11	120.4	390.85
C	Project revenues excluding Annuity (10 yrs period)	953.01	28.1	540.42	8.49	376
D	Operational deficit or surplus without considering Annuity from Nodal SPV (B-C)	176.89	-158.66	462.31	-111.91	-14.85
E	Source of finance for meeting operational deficit		Annuity from Nodal SPV	Will be taken care by Operator	Annuity from Nodal SPV	Annuity from Nodal SPV
Nodal SPV Financials						
F	Seed Capital provided to Down Stream SPVs	1251.21				
(i)	Smart City Grant	980				
(ii)	AMRUT Grant	98.57				
(iii)	MNRE Capital Subsidy	59.73				
(iv)	Assistance for Creation of Sports Infrastructure	4.5				
(v)	Private Borrowings	108.42				
G	Surplus shared with Nodal SPV	276		276		
H	Revenue of Nodal SPV from other streams*	677.19				
I	Opex of Nodal SPV (establishment cost, annuity and interest cost)	644				
J	Net surplus/ deficit (G+H-I)	309.19				
Financials of other initiatives through Convergence on self sustainable basis						
K	Gas Distribution PNG in ABD through Government/PSU Company	32.64				
L	Gas Distribution CNG in Pan City through Government/PSU Company	9.23				
M	LED Street Lights Project through Government/PSU Company	140.25				
N	Total (K+L+M)	182.12				
Grand Total of Project Cost (A+N)		1984.51				

Note: * Property Tax, Smart City Cess, User Charges for Water Supply/Sewage etc

Annexure-4

4.1 Minutes of the meeting dated 16/06/2016, of the HPSC under chairmanship of Chief Sectt.

Minutes of the meeting of High Powered Steering Committee (HPSC) for approval of Smart City Proposals of Amritsar & Jalandhar under the Chairmanship of Chief Secretary, Punjab on 16.06.2016 at 3:00 PM.

Date: 16.06.2016

Venue: O/o Chief Secretary, 6th Floor, Main Secretariat, Chandigarh

The following were present in the meeting:

1. Shri N S Kalsi, IAS, Additional Chief Secretary, Public Works Department (B&R), Govt. of Punjab,
2. Shri Satish Chandra, Additional Chief Secretary, Local Govt. Department, Govt. of Punjab,
3. Shri J M Balamurugan, IAS, CEO, PMIDC & State Mission Director, Smart Cities Mission,
4. Shri D K Tiwari, IAS, Chief Executive Officer, Punjab Water Supply & Sewerage Board, Govt. of Punjab,
5. Shri Sukhwinder Singh, Special Secretary, Finance, Govt. of Punjab,
6. Ms. Rajwant Kaur, Director, Department of Planning
7. Shri Sunil Jyoti, The Mayors, Municipal Corporation, Jalandhar,
8. Ms. Sonali Giri, The Commissioners, Municipal Corporation, Amritsar
9. Shri Gurpreet Singh, The Commissioner, Municipal Corporation, Jalandhar

At the outset, State Mission Director-cum-Member Secretary (Smart Cities Mission) briefed the members of HPSC about revised Smart City Proposals of Amritsar & Jalandhar, to be submitted to Ministry of Urban Development (MoUD), in the round 2 of the Smart Cities challenge competition.

The team consisting of Mayors, Commissioners of Municipal Corporation of Amritsar & Jalandhar & their Consultants gave the presentation of the revised Smart City Proposals (SCPs) highlighting the revisions made in the earlier Smart City Proposals (SCPs) submitted to Govt. of India.

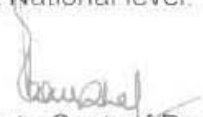
The revisions have been made based on the guidelines for revision of SCPs of MoUD and decisions in various meetings, both at the City Level and meeting held on 27.04.2016 under the Chairmanship of Ld. Chief Secretary.

Further, the Consultants outlined the specific area in which improvements have been incorporated;

1. Convergence of various Central / State Govt. Schemes being implemented in Amritsar & Jalandhar;
2. Increase in public participation through various ICT based tools;
3. Confirmation / consent letters of various Govt. / Pvt. Agencies for supporting the implementation of Smart City Projects;
4. Improvement of revenue generation streams and projects.

After due consideration of the revisions made in the SCPs for Amritsar and Jalandhar, the Committee recommended that the revised Smart City Proposals (SCPs) for the above two potential Smart Cities be forwarded to the Govt. of India for participation in the Round 2 competition at National level.

my


Chief Secretary to Govt. of Punjab &
Chairman, HPSC (Smart Cities)

4.2& 4.3 Resolution of the Corporation/Council approving Smart City Plan & setting up SPV

Approval of Smart City Proposal for Jalandhar under Smart Cities Mission,
Govt. of India

Resolution No. 98

Dated: 01.12.2015

The Ministry of Urban Development (MoUD), Government of India has launched Smart Cities Mission (SCM) covering 100 Cities in India. For selection of 100 Cities throughout India, the Govt. of India has set two stages i.e. Stage I & Stage II competition.

Under Stage I, the State was required to consider potential Smart Cities within the State among Cities which fulfills the condition precedent set out in the guidelines issued by the Govt. of India.

In the Stage I competition, the Govt. of India has selected the following three (3) Cities of Punjab;

1. Jalandhar
2. Ludhiana
3. Amritsar

For Stage II competition, these Cities have to prepare the Smart City Proposals (SCPs) based on the guidelines & formats issued by the Ministry of Urban Development, Govt. of India. Under Stage II, these Cities through SCPs shall compete amongst 100 Cities at National Level for selection of 20 Cities at first phase; further 40 Cities in the second phase & the remaining 40 Cities in the third & last phase. Under Smart Cities Mission, the Cities selected are to be granted Rs.1000 Crore (Rs.500 Cr. - GoI & Rs.500 Cr. - GoP) which can be leveraged for getting additional resources for funding the project implementation / execution under the SCM.

The Smart City Proposal shall include the following;

- i. Area and proposal identification – retrofitting, redevelopment and greenfield developments.
- ii. Proposal scope and objectives.
- iii. Proposal concept, development & Implementation framework.
- iv. Proposed financing options and institutional framework.
- v. Proposal phasing and timeframe.

PMIDC has engaged following Consultants for preparation of Smart City Proposals for above mentioned potential Smart Cities selected by Govt. of India;

For Jalandhar: M/s IIDC Limited in association with Urban Mass Transit Company Limited and Building Design Partnership Limited.

The Consultants have prepared the Smart City Proposal (SCP) based on the following indicative criteria and guidelines of MoUD, Govt. of India;

A: CITY LEVEL CRITERIA

S. No.	Criteria
a.	Vision and goals
b.	Strategic Plan
c.	Citizen engagement
d.	Baselines, KPIs, Self-assessment and potential for improvement

B: AREA-BASED DEVELOPMENT (ABD)

S. No.	Criteria
a.	"Smartness" of proposal
b.	Citizen engagement
c.	Result orientation
d.	Process followed
e.	Implementation framework, including feasibility and cost-effectiveness

C: PAN-CITY SOLUTION

S. No.	Criteria
a.	"Smartness" of solution
b.	Citizen engagement
c.	Result orientation
d.	Process followed
e.	Implementation framework, including feasibility and cost-effectiveness

As per Govt. of India guidelines, a Special Purpose Vehicle (SPV) shall be set up in the Cities for implementation of Smart City projects. The SPV will plan, appraise, approve, release funds, implement, manage, operate, monitor and evaluate the Smart City Development projects. The structure of the SPV shall be as follows;

- 1. SPV:** The City Level SPV will be established as a Limited Company under the Companies Act, 2013 and will be promoted by the State and the ULB

jointly, both having 50:50 equity shareholding. The SPV shall be headed by a full time Chief Executive Officer (CEO) and he shall be appointed with the approval of the MoUD, Govt. of India for a fixed term of three (3) years.

- 2. Raising & Utilization of Funds by the SPV:** The funds given by the Central Govt. to the SPV will be in the shape of tied grants and kept in a separate Grant Fund. The ULB may through the State Govt. request the MoUD to permit utilization of Govt grants as ULBs equity contribution to the SPV.

The SPV will also access funds from other sources such as debt, user charges, taxes, surcharges, etc.

- 3. Board of Directors:** The BoD shall have representatives of Central Govt., State Govt., ULB and Independent Directors in addition to the Chief Executive Officer (CEO) and the Functional Directors.

4. Delegation of Powers to the SPV:

- SPV shall have complete operational independence and autonomy in decision making and mission implementation.
- Delegating the rights and obligation of the Municipal Corporation with respect to the Smart City projects and other urban infrastructure projects to the SPV.
- Delegating the related decision making powers available to the ULB under the Municipal Act / Govt. rules to the CEO of the SPV.

5. Key Functions & Responsibilities of the SPV:

- Approve and sanction the projects including their technical appraisal.
- Execute the Smart City Proposal with complete operational freedom.
- Approve and act upon the reports of the third party Review and Monitoring Agency.
- Overview Capacity Building Activities
- Ensure timely completion of the projects according to set timelines.
- Monitor and review quality control related matters and act upon issues arising thereof.

- Determine and collect user charges, surcharges, etc. as authorized by the ULB.

The following is submitted for approval by the Municipal Corporation House:

1. The SCP prepared by the IIDC/UMTC/BDP, the Consultant for submission under Stage II competition at National level.
2. Formation of SPV under Company Act 2013 and Board Directors and Delegation of Powers to the SPV by the ULB as detailed above and as per guidelines issued under Smart Cities Mission & Punjab Urban Development Mission (PUDM) by the State Govt. and MoUD, Govt. of India.

After due approval of the SCP & SPV by the House, the same shall be forwarded to High Powered Steering Committee (HPSC) under the Chairmanship of Chief Secretary, Punjab for further approval and submission to MoUD, Govt. of India for Stage II Competition at National level.

ਫੈਸਲਾ ਮਤਾ ਨੰ: 98

ਪ੍ਰਵਾਨ ਹੈ ।

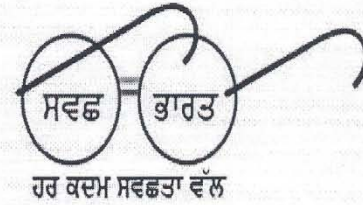
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01.12.2015

4.4 Letter of Support from MCJ to Transfer of Land of Burlton Park to SPV



Municipal Corporation Jalandhar



To whom so ever it may concern

Sub: No objection for transfer of land of the Burlton Park (admeasuring 63 Acres) to the Smart City Jalandhar SPV

Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted Jalandhar city under stage-1 of smart cities challenge as potential smart city and Jalandhar Municipal Corporation has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

Based upon the citizen consultations and recommendations from key stakeholders, and in line with the city's vision of developing Jalandhar as Sports & Healthy city, Burlton Park and the adjacent area has been selected for Area Based Development, which has potential of both Retrofitting and Redevelopment.

Municipal Corporation of Jalandhar (MCJ) has passed council resolution no 98 dated 01.12.2015 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects envisaged under smart city proposal.

MCJ owns unencumbered land at Burlton Park admeasuring 63 acres under its possession which is free from any litigation. MCJ will transfer the land following due procedure to the SPV to be constituted by the State government under Smart City Mission, Government of India and will support in achieving necessary convergence in Retrofitting & Redevelopment and coordinating planning, designing, financing, implementation operations and maintenance required for it.

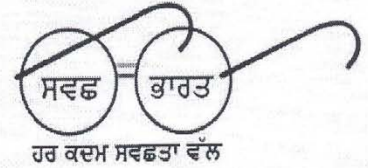
(Gurpreet Singh, Khehra)
Commissioner

Municipal Corporation Jalandhar

4.5 Statement Regarding Agreements with Para Statal Bodies



Municipal Corporation Jalandhar



Statement Regarding Agreements with Para Statal Bodies ,Boards existing in the city for implementing the full scope of the SCP and sustaining the Pan-City and Area Based Development

There are several State Level and City Level Para Statal Bodies of Boards which are carrying out projects in their respective areas. The following is an illustrative list of such State Level Bodies and Boards and their area of projects;

1. District Administration
2. Punjab Water Supply & Sewerage Boards (PWSSB) — Executing Agency for water supply & sewerage projects.
3. Punjab Municipal Infrastructure Development Company (PMIDC) for implementation of various schemes of Govt. of India like AMRUT
4. City Bus Company for implementing City Bus services
5. Punjab Roadways Transport Corporation (PRTC)
6. Jalandhar Development Authority (JDA)
7. Jalandhar Police Department
8. Jalandhar Punjab Urban Development Authority (PUDA)
9. Punjab State Power Corporation Limited (PSPCL)
10. Public Works Department (PWD) — Building & Roads (B&R)
11. City Gas Distribution Company for implementing PNG/CNG
12. Department of Sports, GoP
13. Department of Irrigation, GoP
14. Department of Education, GoP
15. Department of Health , GoP
16. Department of Housing, GoP
17. Labour Commisioner, Jalandhar

(Note- Above list is illustrative, not exhaustive)

Once, the SPV at the City level is created, it is proposed to have arrangements of MoUs, agreements etc. in order to co-opt such agencies in the implementation of the SCP

(Gurpreet Singh Khehra)
Commissioner
Municipal Corporation Jalandhar

4.6 Letter of Support from Sports Department

Sports Department Jalandhar.

To,

The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Sub: Support to Smart City initiative of Govt. of India for Jalandhar city

Sir,

We are happy to know that Jalandhar city has been short listed as one of the 100 smart cities of India. We support Municipal Corporation of Jalandhar's vision for developing Jalandhar as 'The leading sports & manufacturing hub in Asia.'

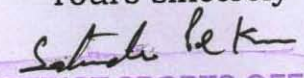
Department of Sports of the State Govt. is fully committed to provide both financial and administrative assistance to Municipal Corporation of Jalandhar and the proposed SPV to be constituted by the state Govt./MCJ for developing Sports Culture and associated infrastructure in the city under the larger framework of various State/Central Govt. schemes.

Various schemes under which the support can be provided to the SPV are

1. Ministry of Sports and Youth affairs scheme of assistance Rs. 6.5 crore) for the creation of Sports Infrastructure
2. Government of Punjab's Scheme for coaching, sports equipment, sports hostel etc

The funds allocated for these schemes may be utilized for developing sports infrastructure by the SPV as per the State/Central Government guidelines.

Yours sincerely


(District Sports Officer)
DISTRICT SPORTS OFFICER
JALANDHAR

4.7 Letter of Support for convergence with PMKVY/ NULM / EDP

To,

The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Sub: Support to Smart City initiative of Govt of India for Jalandhar city

Sir,

City of Jalandhar is one of the prominent industrial hubs of the state with majority of people employed in small and medium enterprises. The Government of Punjab accords highest priority to the skill development of its youth and make them employable in the current market settings. In order to make Jalandhar 'The leading sports & manufacturing hub in Asia' Punjab skill development mission is fully committed to impart the technical skill based learning to the youth.

Our organisation encourages the skilled development through various schemes viz

- 1) GOI's Pradhan Mantri Kaushal Vikas Yojna,
- 2) Entrepreneurial Development Programme and
- 3) National Urban Livelihood Mission etc.

As part of the GOI's Smart City initiative, we will extend its full support to the proposed SPV to be constituted by the State Govt / MCJ, under the provision of Smart city mission - Government of India, for imparting skill based training to the youth in the areas of sports (fitness trainer, sports masseur, sports coach etc) and sports related goods manufacturing and other industrial trainings by converging various Central/State Government sponsored schemes.

Yours faithfully


Assistant Labour Commissioner
Jalandhar

PHYSICAL & FINANCIAL PROGRESS FOR THE WORKS UNDER PUNJAB NIRMAN SCHEMES 2015-16

Month En

Sl. No.	Name of Work	T/S No. & Date	Amount (in Lacs)	Funds Received (In lacs)			Expenditure (In lacs)			Funds Required 2015-16 (In lacs)		Physical Progress		Target date of Completion	Target date of Start
				Ending upto 03/2016	During 2015-16	Total	Upto 03/2016	During the month	Total	Provision	Progress				
2		5	6	7	8	9	10	11	12	13	14	15	16		
8443	Civil Deposit														
	Constn. of MSDC Building in Leather Complex Jalandhar	Punjab Govt. Tech Education & Industrial Deptt No. 542396 Dt. 20.07.2015	561.18	140.00	280.00	420.00	129.01	70.00	199.01	66.95	Double Storey Building	30.04.2016	23.09.2015		
	Constn. of Boys & Girls Hostel block for M.S.D.C. in Leather Complex at Jalandhar (Punjab)	C.E. (Central) Patiala, Letter No. 2744 Dt. 10.08.2015	569.38	0.00	142.35	142.35	0.00	71.10	0.00	413.43	Double Storey Building	07.06.2016	08.01.2016		
Total :-			1130.56												

Multi Skill Development Centre

Executive Engineer,
Provincial Divn. PWD B&R Br,
Jalandhar Cantt.

Estimate B&R Form Dt. 04.1

4.8a Letter of Support from Department of Health

PA/153/PHSC
1/6/16

3562/SIBAR/2
10/8/16



PUNJAB HEALTH SYSTEMS CORPORATION

State Institute of Health and Family Welfare Complex
Phase-VI, Near Civil Hospital, SAS Nagar (Mohali), PUNJAB
Phone: 0172-2262938, 2263938, Tele-Fax: 0172 - 2266938
Visit us at: punjabhealth.co.in: E-mail: tmphsc@gmail.com

No: PHSC/TM/16/ 78-79

Dated: 2/06/2016

To

The Municipal Commissioner,
Municipal Corporation of Amritsar/ Jalandhar
Amritsar/ Jalandhar

Subject: Submission of information regarding convergence of ongoing projects with revised Smart City proposals of Jalandhar and Amritsar.

Sir,

Punjab Health Systems Corporation aims to expand, improve and administer medical care in the State of Punjab. Compiled information regarding Telemedicine Project (TM) and National Urban Health Mission (NUHM), Punjab is annexed alongwith.

2. As part of the GOI's Smart City initiative, PHSC will extend its full support to the proposed SPV to be constituted by the State Govt./ MCJ under the provision of Smart city mission - Government of India, for implementing telemedicine project under National Urban Health Mission.

3. Further, under the Government's policy extant, PHSC shall make endeavors to collaborate with various health institutions Amritsar/ Jalandhar city.

4. This issues with approval of State Government.

Encl: 8 pages (as above)

Yours faithfully

(Hussan Lal) IAS

Managing Director, PHSC

CC:

Copy forwarded to Er. V.P. Singh, General Manager (Project), Punjab Municipal Infrastructure Development Company (PMIDC), Local Government Department (Govt. of Punjab), SCO:89-90, Sector 34-A, Chandigarh for information please.

Comm
3/6/2016

J.E (Bar)

Mr. Himanshu
IT-S.G.M

for file
10/06/16

4.8b Letter of Support from Department of Health

National Health Mission
Ministry of Health & Family Welfare
Jalandhar, Punjab



Civil Surgeon, Jalandhar
E-mail:- nrfmjld@gmail.com

ਸਿਵਲ ਸਰਜਨ, ਜਲੰਧਰ
Tele Fax:- 0181-2224848, 2227982

No.NHM/16/ 1838

Dated: 27/05/2018

To

The Municipal Commissioner,
Municipal Corporation, Jalandhar.

Sub: **Support to Smart City initiative of Govt. of India for Jalandhar City.**

Sir,

Punjab Health System Corporation (PHSC) aims to expand, improve and administer medical care in the State of Punjab. Under telemedicine scheme PHSC provides specialized medical care services and treatment to patients by using modern technologies in the areas of;

- Tele-diagnosis
- Tele-consultation
- Tele-education
- Tele-monitoring and
- Tele-conferencing

As part of the GOI's Smart City initiative, PHSC extend its full support to the proposed SPV to be constituted by the State Govt./MCJ under the provision of Smart City mission – Government of India, for implementing telemedicine project under National Urban Health Mission.

Further, under the Government's policy extant, PHSC shall make endeavors to collaborate with various health intuitions specialized in the areas of sports medicines and injuries to develop state of art rehabilitation wing in Jalandhar City.


Civil Surgeon, Jalandhar

4.9 Letter of Support from Police Department, Jalandhar

Arpit Shukla
IPS
Commissioner of Police
Jalandhar



Office : 0181-2226497

Fax : 0181-2452446

D.O. No. *49896*

Dated *16-05-2016*

Sub:- SUPPORT TO SMART CITY INITIATIVE OF GOVT.
OF INDIA.

This is to inform you that the Jalandhar Police Commissionerate will provide all necessary support to the Smart City SPV of Jalandhar to be constituted by the State Govt./MCJ under the provision of Smart City Mission – Government of India, for achieving necessary convergence in Implementing City Surveillance Project through various Centrally/State Government sponsored schemes like Safe City Project. We shall provide necessary information required for implementation of project. We will also help in coordination for planning, designing, financing, implementation, operations and maintenance of the project.

Arpit Shukla
(Arpit Shukla)

Municipal Commissioner,
Municipal Corporation,
Jalandhar.

4.10 Letter of Support from Department of Education

O/O DISTRICT EDUCATION OFFICER (S.E.) JALANDHAR

To,

The Commissioner
Municipal corporation Jalandhar.

MEMO NO: STENO TO DEO (S.E.) 2016-134W

DATED, 16/5/16


Sub: Implementation of smart city proposal in Jalandhar.

Sir,

With reference to subject cited above. It is to state that in consonance to smart city Jalandhar project, department of education, Gop will implement the e-education projects viz computer related learning, smart schools and enhancing teaching learning process through Edusat, by converging various GOI & GOP education schemes and through public private partnership based on adequate project structure.

As part of implementation plan department of education envisages to improve the education facilities through various interventions like

1. Replacing all receive only terminals (ROT) with satellite interactive terminals (SIT).
2. Providing smart class facility to all the schools from 1st to 12th.
3. Providing computer education starting from class 1st.
4. Providing ROT or SIT at primary cluster level schools.
5. Installing bio metric attendance system in each school.

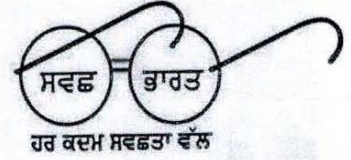

DISTRICT EDUCATION OFFICER (S.E.)
JALANDHAR 16/5/2016

ਜਲੰਧਰ ਸਿੱਖਿਆ ਅਫਸਰ (ਸ.ਏ.)
ਜਲੰਧਰ

4.11 Letter of Support for convergence with city level GIS project



Municipal Corporation Jalandhar



To whom so ever it may concern

Subject: Support to Smart City initiative of Govt. of India for Jalandhar city.

The Municipal Corporation of Jalandhar (MCJ) has already engaged consultants M/s Darashaw and Company for GIS mapping of city. The total project cost for GIS mapping is approximately 2.05 Crs.

The primary responsibility of the consultants is to develop Spatial and Digital Built Environment Data Base which include

1. Demographic Distribution
2. Land Use (Residential, Commercial, Public and Semi Public, Recreational and Transportation)
3. Infrastructures :
 - a) Physical Infrastructure (Water, Sewerage, Storm Water, Solid waste etc)
 - b) Hydrological Mapping of Canal and its influence area
 - c) ICT Infrastructure (Telecommunication, Networking, Wifi, Optical Networks etc)
4. Service Layer (E-governance, E-health, E-education, Intelligent Transportation system)

The information procured for creating GIS database and the final product will be as per the National Urban Information System (NUIS) guidelines of Government of India.

This is to state that as part of the convergence the information of this project along with the final GIS based product may be utilized by the SPV to be constituted by the State government under Smart City Mission, for making Project related interventions envisaged for both Pan City and Area Based Development.

Yours sincerely,

(Gurpreet Singh Khehra)

4.12a Letter of Support from NGOs

NGO CITIZENS WELFARE AND PROTECTION COUNCIL

10/45, Jalandhar Cantt.

18-5-2016

To

**Commissioner,
The Municipal Corporation,
Jalandhar.**

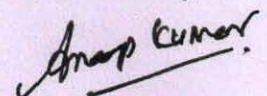
Subject : Implementation of smart city proposal in Jalandhar.

Dear Sir,

With reference to your subject cited above, it is to intimate you that our NGO Citizens Welfare and Protection council with assistance of Municipal Corporation Jalandhar will provide all possible support to special purpose vehicle in citizen participation for the implementation of various project envisaged in smart city proposals.

Thanking you,

Yours Sincerely,



**Anoop Kumar
President
9814814822**

4.12b Letter of Support from NGOs

Use RTI Act 2005 in larger public interest

सूचना का
अधिकार



**RTI ACTIVISTS
FEDERATION**

Off: ED199, Dhan Mohalla, Jalandhar (Pb) INDIA Ph.9888197788

Ref. No. 76

Date: 18-5-16

To
The Commissioner
Municipal Corporation
Jalandhar

Sub: Implementation of Smart City Proposal in Jalandhar

Dear sir

1. We have already provided suggestions and many inputs for Smart City proposals in Jalandhar.
2. We shall continue to assist Municipal Corporation, Jalandhar in ensuring citizen participation for implementation of various projects envisaged in smart city proposals.

Thanking you

Date: 18.05.2016

Yours sincerely

(ANIL VASHISHT)

President

E mail: anil26v@gmail.com

4.12c Letter of Support from NGOs



Dastak Welfare Council (Regd.)

(An NGO devoted to the cause of Public Welfare & Social Awareness Since 2007)

V.P.O. Wadala & New Gobindgarh Jalandhar City.

7 years of Meaningful Existence in Conservation of Birds



Pioneer & Promoter of Save Sparrows & Butterflies Campaign



Prof. Sandeep Chahal (President) (M) : 9815507036

e-mail: *sandeep.chahal72@gmail.com*

Ref. No. : *56*

Date : *18-5-16*

To

Commissioner

The Municipal Corporation

Jalandhar.

Subject : Implementation of smart City Proposal in Jalandhar.

Dear Sir,

With reference to your subject cited above , it is to intimate you that our **NGO Dastak Welfare Council** with assistance of Municipal Corporation Jalandhar will provide all possible support to **Special Purpose Vehicle** in citizen participation for the implementation of various projects envisaged in smart city proposals

Thanking you.



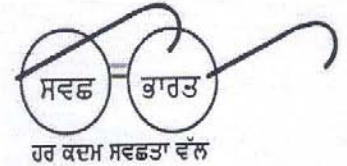
Yours sincerely
Sandeep Chahal
Sandeep Chahal
President

email: sandeep.chahal72@gmail.com
ASU

4.13 Letter of Support to enable SPV as Planning Authority



Municipal Corporation Jalandhar



Sub: Smart City SPV as Special Planning Authority to implement Smart City Project for Jalandhar.

Based upon the citizen consultations and recommendations from key stakeholders, and in line with the city's vision of developing Jalandhar as sports and healthy city, Burlton park and the adjacent area has been selected, which has potential of both Retrofitting and re development .

With reference to the subject cited above, this is to state that Municipal Corporation of Jalandhar with the support of State of Government of Punjab, will make adequate legal provisions, to enable the SPV as Planning Authority for Smart City Project and thereby will enable the SPV to deal with all the process related to all the concerned departments/authorities for implementation of SCP.

Commissioner
(Gurpreet Singh Khehra)
Municipal Corporation
Jalandhar
Commissioner
Municipal Corporation Jalandhar

4.14 Letter of Support from PWSSB



Er. Pankaj Jain
Executive Engineer

Telephone No. (O) : 0181-2270125
Pb. W/S & Sewerage Divn. No.2,
Jalandhar

No. 4722
Dt: 17-5-2016

To,

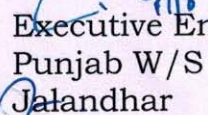
The Municipal Commissioner,
Municipal Corporation of Jalandhar,
Jalandhar

Sub:- Implementation of Smart City Proposal in Jalandhar

Sir,

With reference to the subject cited above, it is to intimate that Punjab Water Supply and Sewerage Board has no objection to implement Smart City Proposal through the special purpose vehicle (SPV) as proposed by Municipal Corporation Jalandhar, to be constituted under the provision of Smart City mission, Government of India.

We also support the initiative for the proposed SPV for undertaking 24X7 water supply, improvement in sewerage and storm water drainage system including rain water harvesting and ground water recharge, reuse of waste water from Sewage Treatment Plant etc.


Executive Engineer,
Punjab W/S & Sew. Division No.2,
Jalandhar

4.15 Letter of Support for convergence with Rehabilitation of Bist Doab Canal project

27WR-D- Branch

No

3495/27W

dated

16-05-16

To

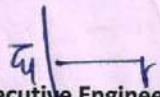
**The Municipal Commissioner
Municipal Corporation of
Jalandhar.**

Sub: Project For Extension renovation and modernization of canals being fed from river Sutlej (Rehabilitation of Bist Doab Canal System in Doaba Region)

Bist Doab Canal which off-takes from right side of Ropar Head Works on river Sutlej with an authorised full supply discharge 1452 cs. The total length of Bist Doab canal system is 801 km. and passes through four districts namely Hoshiarpur, Nawanshehr, Jalandhar and Kapurthala. The Canal also passes through Jalandhar city namely Jalandhar distributories along the bulten park and adjacent areas that has been identified for "Area Based Development" under the Smart City Mission project for Jalandhar .

Government of Punjab has allocated Rs. 320 Cr for rehabilitation of channels in order to maintain steady and perennial water flow in the canal system, as a result of this intervention it is envisaged that the channel passing through Jalandhar city will have perennial water flow. Thus this scheme will achieve necessary convergence in Canal area rehabilitation project envisaged under the smart city proposal.

It also state that départment of Irrigation, Government of Punjab will provide approvals to SPV to be constituted by the state government under Smart City Mission to develop Right of Way along the canal in the Jalandhar city, with pedestrian pathways and other components as envisaged under Smart City Project.


**Executive Engineer,
Bist Doab Division,
Jalandhar.**

4.16 Letter of Support from BSNL

General Manager Telecom
C.T.O. Complex,
Nehru Garden Road,
Jalandhar-144001
Ph :-



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)

BHARAT SANCHAR NIGAM LTD.

(A Govt. of India Enterprise)

REF. NO _____

DATE _____

To
The Commissioner,
Municipal Corporation, Jalandhar.

Letter No: GG-1/Swachh Bharat/2014-15/12

Dated at JL the: 16-05-2016

Sub: Support to Smart City Initiative of Govt. of India for Jalandhar city.

Sir,

Whereas Jalandhar has been selected as one of the 100 cities under the smart city mission launched by MoUD, Government of India. In reference to that Bharat Sanchar Nigam Limited (BSNL) undertake to provide its full assistance and cooperation to the SPV to be constituted by the State Govt/MCJ under the provision of Smart City mission-Government of India, in relation to landline & mobile telephony, broadband (landline, wifi, fiber, mobile including 3G and Wimax) through mutually agreed terms and conditions.

Yours Sincerely

वरिष्ठ महा प्रबन्धक दूरसंचार
बी.एस.एन.एल. जिला जालंधर
Sr. General Manager Telecom
B.S.N.L. Distt. Jalandhar

Sr. General Manager Telecom, Jalandhar.

4.17 Letter of Support from PSPCL



From

Dy.CE/DS Circle,
PSPCL Jalandhar,

To

The Municipal Commissioner,
Municipal Corporation of Jalandhar.
Jalandhar.

Memo No 9975 Dated 23-5-2016

Sub:

In principle approval to support Smart City SPV for smooth implementation of Power projects. .

With reference to the subject cited above, I have been directed to state that in principle approval is accorded to support the special purpose vehicle (SPV) to be constituted by the State Government under Smart City Mission for implementing Smart city project in Jalandhar.

It is informed that the city of Jalandhar will fully be covered under smart metering through implementation of RAPDRP scheme, Government of India.

The Punjab State Power Corporation Limited (PSPCL) will provide full assistance in achieving necessary convergence in Power Supply, underground electrification, utility shifting, Renewable energy along with the necessary infrastructure and coordination in planning.

Dy.CE/DS Circle,
PSPCL Jalandhar,

4.18 MOU for Solid Waste Management between MCJ and M/s JITF



ਪੰਜਾਬ ਪੰਜਾਬ PUNJAB

B 727030

CONCESSION AGREEMENT

THIS AGREEMENT made this 21st day of January, 2012 at Jalandhar

BETWEEN

MUNICIPAL CORPORATION JALANDHAR, a statutory body constituted under the Punjab Municipal Corporation Act, 1976, and having its office at Company Bagh, Jalandhar, represented by Commissioner (hereinafter referred to as "Concessing Authority" which expression shall unless repugnant to the context thereof, include its successors and assigns) of the FIRST PART;

AND

M/s JITF Urban Waste Management (Jalandhar) Limited a company incorporated under the Companies Act, 1956, having its registered office at Jindal ITF Centre, 28, Shivaji Marg, New Delhi, 110015, India, represented by Mr. Rajnesh Singh duly authorized vide board resolution dated 21 November 2011 hereinafter referred to as the "Concessionaire" (which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors and permitted assigns) of the SECOND PART;

AND

The Consortium of (i) M/s JITF Urban Infrastructure Limited, a company incorporated under the Companies Act, 1956, having its registered office at 28 Shivaji Marg, New Delhi 110015 (ii) of M/s Ladurner Impainti S.r.l. a company duly incorporated under laws of Italy, having its registered office at via Innsbruck 33, Bolzana-391100 hereinafter collectively referred to as the "Selected Bidder" (which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors and permitted assigns) duly represented through M/s JITF Urban Infrastructure Ltd., the Lead Member of the consortium through its Authorized Signatory Mr. Rajnesh Singh duly authorized vide board resolution dated 28 September 2011 of the THIRD PART,

Commissioner
Municipal Corporation,
Jalandhar



AND

DEPARTMENT OF LOCAL GOVERNMENT, GOVERNMENT OF PUNJAB having its Office at Mini Secretariat, Sector 9, Chandigarh - 160017 represented by Secretary (hereinafter referred to as the "DoLG" or "Confirming Party", which expression shall mean and include its successors and assigns) of the FOURTH PART.

The Concessing Authority, the Concessionaire, the Selected Bidder and the Confirming Party are hereinafter referred to individually as the "Party" and collectively as the "Parties".

WHEREAS

- A. Urban Local Bodies ("ULBs") are responsible for providing municipal and allied civic services in their respective city/town, which encompasses the collection, transportation, processing and disposal of Municipal Solid Waste ("MSW") generated in their respective city/town. Most of the ULBs currently dispose their MSW by open dumping, which is an unscientific way of disposal of waste.
- B. The Ministry of Environment and Forests ("MoEF") under the aegis of Government of India ("GoI"), has formulated the Municipal Solid Wastes (Management and Handling) Rules 2000, which makes it mandatory for every civic body to implement a scientific solid waste management system through which MSW is duly processed and only that waste, which is not suitable for recycling or processing is to be disposed off in a Sanitary Landfill Site ("SLF").
- C. The Concessing Authority along with the ULBs mentioned at Annexure 1 ("Cluster ULBs") is desirous of establishing a suitable mechanism on regional basis to scientifically manage the collection, transportation, processing and disposal of MSW generated from the residential and other areas of the entire "Cluster" (as defined in Annexure 1), with a view to meet environmental regulations and for improvement in public health and hygiene.
- D. Based on the mandate given by the DoLG, IL&FS Infrastructure Development Corporation Limited ("IIDC") has been advising Government of Punjab ("GoP") for development of MSW management projects on Public-Private-Partnership ("PPP") model, covering all corporation towns and other ULBs (137) in Punjab, and for developing various projects on regional approach. The objective is to develop and implement a viable and environmentally sustainable MSW management system on Public Private Partnership (PPP) basis, to scientifically manage MSW and gainfully utilize it to produce compost, Refuse Derived Fuel ("RDF") and/or power, and dispose-off the residual matter in an environmentally benign manner.
- E. For the aforesaid purpose, the DoLG, has conducted a competitive bidding process. Following the process of competitive bidding, after evaluating the Proposals submitted by Bidders in response to its request for proposal (RFP) dated May 25, 2011, the DoLG accepted the Proposal submitted by the Selected Bidder for developing and implementing the Project and communicated its acceptance to the Selected Bidder vide Letter of Intent dated July 28, 2011 (the "Letter of Intent" or "LOI")
- F. The Selected Bidder has incorporated the Concessionaire under the Companies Act, 1956, as a Special Purpose Company (SPC), pursuant to the award of the Concession, to develop and implement the Project.
- G. Following the issuance of the LOI, the Selected Bidder /Concessionaire within 3 (three) weeks of issuance of LOI, as a pre-condition to the execution of this Agreement, has made the payment of Project development Fee to IL&FS Infrastructure Development Corporation



Commissioner
Municipal Corporation,
Jalandhar;



Ltd. and provided the Performance Security to the Concessing Authority. Following these payments, the Concessing Authority has agreed to award the implementation of the Project to the Concessionaire on the terms, conditions and covenants hereinafter set forth in this Agreement

- H. The Concessionaire is hereby required to enter into this Concession Agreement with the Concessing Authority and DoLG, being these presents to record the terms, conditions and covenants of the Concession.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:



[Signature]
Commissioner
Municipal Corporation,
Jalandhar



Municipal Corporation Jalandhar
Phone : (Off.) 2227015



D.O. No.

Dated

Memo of Understanding (MoU)

Whereas Jalandhar has been selected as one of hundred Cities under the Smart City Mission launched by MoUD, Government of India. In reference to that Department of JITF (Solid Waste Management Company) undertakes to provide its full assistance and co-operation in successful implementation of the Project.

Sr.Manager,
JITF,
Jalandhar.



Commissioner,
Municipal Corporation,
Jalandhar.
Commissioner
Municipal Corporation
Jalandhar

4.19 Letter of Support from JDA's department of Housing



JALANDHAR DEVELOPMENT AUTHORITY

S.C.O. No.41, PUDA Complex, Opp. Tehsil Complex, Ladowali Road, Jalandhar
Telephone No.0181-5040742-43, Fax No.0181-2233341, Email ID: cajdajal@gmail.com

To

The Commissioner,
Municipal Corporation,
Jalandhar.


No.CA-JDA-2016/3795
Dated: 16-5-16

Subject: In principle approval of support Smart City SPV for developing Housing Projects through State/Central Govt. Scheme.

Sir,

With reference to the subject cited above, I have been directed to state that in principle approval is accorded to support the Special Purpose Vehicle (SPV) to be constituted by the State Government under Smart City Mission for implementing smart city project in Jalandhar.

We would also like to state that Department of Housing will facilitate community mobilization, development planning, identification, registration and allotment modalities for beneficiaries and implementation of in situ Redevelopment of Slum Area under Housing For All Scheme as per the GoP's Notification No.21/4/2014:1HGII/1891 dated 21.09.2015 for Mithu Basti in the area identified under Smart City Project for Jalandhar.


Chief Administrator,
Jalandhar Development Authority,
Jalandhar.

4.20 Letter of Support for convergence with E-Governance scheme



Municipal Corporation Jalandhar



To Whomsoever it may Concern

This is to inform you that Municipal Corporation of Jalandhar is entrusted with Implementation of E-Governance project for provision of citizen centric urban services for Jalandhar City.

The primary goal of this project is to provide local government services to citizens through online / single window service delivery channel and ensure accessible, convenient, transparent and timely delivery of services. The project is also envisaged to provide an "Assisted online" mechanism for enabling the citizens and business to transact with the Punjab Local Government through Seva Kendras (established, owned and managed by State separately). The E- Governance system envisages

- Development of Portal
- Back of the system
- Centralized Application system
- Mobile enabled service delivery and Help desk for citizens with toll free number.

The functional architecture of the project is envisaged to deliver IT based services in the following domain

- 1) Core Functions including Birth & Death , Water Supply & Sewerage , Building Regulations , School Management , Property Tax, Licenses , Health & sanitation , Fire services , Rent/ Lease, Transport , Plantation in Parks , Advertisements & Hoardings , Verification services , Ticket sales , Works Management
- 2) General Administrative Functions including legal matters , RTI, MIS, Complaints and Grievance , RTS and Secretarial functions
- 3) Financial Management functions including Double entry accounting system and Budget
- 4) Personnel Management functions including Employees services and Pay roll pensions.

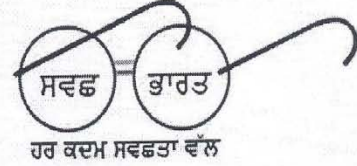
The tenders for implementation of the project have already been prepared and EOI shall be invited soon. The convergence of this project will compliment other Smart city solutions to be envisaged by the proposed Smart City Jalandhar SPV. MCJ will provide its full support to the Smart city SPV in converging/integrating E-governance features while implementation of Smart city Project.


(Gurpreet Singh Khehra)
Commissioner
Municipal Corporation
Jalandhar

4.21 Letter of Support for convergence with AMRUT Scheme



Municipal Corporation Jalandhar



To whom so ever it may concern

Sub: Implementation of Smart City Proposal in Jalandhar

As you are already aware , Punjab Municipal Infrastructure Development Corporation (PMIDC) is the Nodal agency for the implementation of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) for the city of Jalandhar.

The development projects in the sectors of Water Supply , Sewerage and Transport amounting to Rs 534.98 Crores have been envisaged under AMRUT. The development works under AMRUT are proposed to address infrastructure needs of the city. To encourage convergence of various schemes, in principle approval is accorded to support the proposed Special Purpose Vehicle (SPV) to be constituted by the state govt / Municipal Corporation Jalandhar, under Smart City Mission of Government of India, to utilise the part of AMRUT funds for development interventions proposed in Smart city project.


Commissioner
(Gurpreet Singh Khehra)
Commissioner

Municipal Corporation Jalandhar

4.22 Letter of Support from PEDA



**PUNJAB
ENERGY DEVELOPMENT
AGENCY**
(A Punjab Govt. Undertaking)

No. : 1361
Dated : 10/06/2016

To

**Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar**

Sub: Implementation of Smart City Proposal in Jalandhar

Sir,

With reference to subject cited above. It is to state that in principle approval is accorded to take up the solar projects in the proposed area under Smart City Proposal, by the SPV to be constituted by the State government under Smart City Mission. Funds to the extent as guidelines of GoI/GoP and respective schemes will be available to the SPV.

Further we hereby state that the proposal will be sent to Ministry of New and Renewable Energy, GoI for inclusion of Jalandhar under Solar City initiative and Solar City Master plan shall be prepared.

Yours Faithfully

**M.P. Singh
Joint Director**

SOLAR PASSIVE COMPLEX

PLOT NO. 1-2, SECTOR 33-D, CHANDIGARH (U.T.) - 160 034 Tel. : 0172-2663328, 2663382
Fax : 0172-2662865 E-mail : peda_spa@yahoo.co.in Website : <http://www.peda.gov.in>

PEDA : WORKING TOWARDS A SUSTAINABLE ENERGY FUTURE

4.23a Letter of Support from Sports Academies

RESIDENT

KHBIR SINGH BADAL
Deputy Chief Minister Punjab
6, Sector 9-A, Chandigarh



HOCKEY PUNJAB

GEN. SECRETARY

PARGAT SINGH, Padma Shri
Member Legislative Assembly, Punjab
Ex. Director Sports, Punjab

453-Urban Estate, Phase-1, JALANDHAR
Mob. : 94635 00077 Email : pargatstick@hotmail.in

22-6-2016

Vice Presidents

ramjit Singh Majithia
Deputy Minister, Punjab

. Gill, IPS (Retd.)

Executive Presidents

deep Singh Dhillon, IPS

Dr. Nayyar, IRS

Manmohan Singh

Harjot Amarjit Kaur

Harjot Vashist

Harjot Singh

Executive Secretaries

Harjot Kaur

Dr. Kohli

Harjotpreet Kaur

Harjot Singh

Harjotpreet Kaur

Dr. Kohli

HP/Cel/2016/4

To,
The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Subject: Implementation of Smart City Proposal in Jalandhar


Sir,

We take pride in associating with State Government of Punjab and Municipal Corporation of Jalandhar to develop Jalandhar as Sports & Healthy city. Historically, Jalandhar has the legacy of producing the international level players in the sports sector and will continue to do so, given the sports facilities and the related infrastructure present in the city. The city also has a strong presence of Sport Goods Manufacturing industry. The sports goods produced from Jalandhar city are exported world over. These strengths provides the city good base for making it a international level sports hub

With the passage of time Sports has emerged as a good career option not only for the players but also for the people involved in the related sectors of media, advertising, Sports manufacturing, program management/event management agencies. Corporatisation of the sports sector is helping the Sports industry and the youth (Urban/Rural) to capitalize the opportunities in the sports sector and achieve higher accolades.

We will be happy to be associated with city authorities and the proposed Smart City SPV in making Jalandhar as Sports Hub by providing sports training to the youth and will create a conducive environment to utilize proposed sports infrastructure in the Burlington Park.

Yours faithfully


(Pargat Singh)

4.23b Letter of Support from Sports Academies

OFFICE OF THE PRESIDENT

ANURAG SINGH THAKUR
President

Member of Parliament (Lok Sabha)

anurag@bccci.tv



Dear Sunil Ji,

Thank you for your best wishes on my election as BCCI President. I have fond memories of playing at Burlton Park for many years, and watching international games. I am glad to know that, you have decided to develop Jalandhar as a sports hub in Smart City Mission, under the theme healthy and productive Jalandhar. I would like to congratulate you for this initiative. I hope to see Jalandhar being developed as not only sports hub, but also to promote sports culture in Jalandhar.

Please be assured that you have my full support towards realizing this dream.

Warm Regards,

A handwritten signature in black ink, appearing to read 'Anurag', written in a cursive style.

Anurag Singh Thakur,
Member of Parliament (Lok Sabha)
President, Board of Control for Cricket in India

4.23d Letter of Support from Sports Academies



Basketball Association (Regd.)

Affiliated to Basketball Federation of India and Punjab Olympic Association

President

R. S. GILL I.P.S. (Retd.)

Former Director General of Police, Punjab

H.No. 271, Phulkian Enclave,

Behind Mini Secretariat, Nabha Road, Patiala-147001

e-mail : sportsofficeppa@yahoo.com

Hony. General Secretary

TEJA SINGH DHALIWAL

48-B, Tagore Nagar, Ludhiana-141 001

Telefax : 0161-4632371

Mobile : 98141-68717

e-mail : dhaliwal.teja@gmail.com

visit us at : www.punjabbasketball.org

Ref. No.

PBA/2016

Dated

22/06/2016

To,
The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Sub: Implementation of Smart City Proposal in Jalandhar

Sir,

We take pride in associating with State Government of Punjab and Municipal Corporation of Jalandhar to develop Jalandhar as Sports & Healthy city. Historically, Jalandhar has the legacy of producing the international level players in the sports sector and will continue to do so, given the sports facilities and the related infrastructure present in the city. The city also has a strong presence of Sport Good Manufacturing industry. The sports goods produced from Jalandhar city are exported world over. These strengths provides the city good base for making it a international level sports hub

With the passage of time Sports has emerged as a good career option not only for the players but also for the people involved in the related sectors of media, advertising, Sports manufacturing, program management/event management agencies. Corporatisation of the sports sector is helping the Sports industry and the youth (Urban/Rural) to capitalize the opportunities in the sports sector and achieve higher accolades.

We will be happy to be associated with city authorities and the proposed Smart City SPV in making Jalandhar as Sports Hub by providing sports training to the youth and will create a conducive environment to utilize proposed sports infrastructure in the Burlton Park.

Yours faithfully

Teja
General Sec.
Punjab Basketball
Association

4.23c Letter of Support from Sports Academies

Punjab Olympic Association

AFFILIATED TO INDIAN OLYMPIC ASSOCIATION

PRESIDENT

Sukhdev Singh Dhindsa, M.P.
Ex-Union Minister for Chemicals & Fertilizers
9, Sector 2-A, Chandigarh
☎ : 0172-2742598



SECRETARY GENERAL

Raja K. S. Sidhu
Off. : Punjab Olympic Bhawan
Sports Complex, Phase IX, S.A.S. Nagar
☎ : 0172-2230214, Telefax : 0172-2230215
(R) : 0172-2742503
email : raja_sidhu@hotmail.com

Ref. No. POA/1165



Dated 22/06/2016

To,

**The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar**

Sub: Implementation of Smart City Proposal in Jalandhar


Sir,

We take pride in associating with State Government of Punjab and Municipal Corporation of Jalandhar to develop Jalandhar as Sports & Healthy city. Historically, Jalandhar has the legacy of producing the international level players in the sports sector and will continue to do so, given the sports facilities and the related infrastructure present in the city. The city also has a strong presence of Sport Good Manufacturing industry. The sports goods produced from Jalandhar city are exported world over. These strengths provides the city good base for making it a international level sports hub

With the passage of time Sports has emerged as a good career option not only for the players but also for the people involved in the related sectors of media, advertising, Sports manufacturing, program management/event management agencies. Corporatisation of the sports sector is helping the Sports industry and the youth (Urban/Rural) to capitalize the opportunities in the sports sector and achieve higher accolades.

We will be happy to be associated with city authorities and the proposed Smart City SPV in making Jalandhar as Sports Hub by providing sports training to the youth and will create a conducive environment to utilize proposed sports infrastructure in the Burlton Park.

Yours faithfully


(Raja K. S. Sidhu)
Secretary General

Punjab Olympic Association
Joint Secretary, Indian Olympic Association

4.23e Letter of Support from Sports Academies



JALANDHAR DISTRICT CRICKET ASSOCIATION

Chief Patron :
Sh. VIJAY KUMAR CHOPRA
Chief Editor Punjab Kesri Jalandhar

Patron :
AVINASH CHOPRA
Jt. Editor Punjab Kesri, Jal.

Patron :
RAKESH RATHOUR
Mayor Jal.

Patron :
K.D. BHANDARI
Parliamentary Sec. Pun. Govt.

Patron :
AVTAR HENRY
Ex. Minister Pun.

Patron :
GAURAV YADAV
Police Commissioner Jal.

Patron :
VIKRAM RATHOUR
Ex. Test Player

President :
Paryank Bharti
D.C. Jalandhar

Sr. Vice President :
B.S. Dhaliwal
Commissioner Corporation, Jal.

Vice President :
Rajinder Kapoor
Vinood Sharma
Rajesh Rathour
Harjinder Harry

Secretary :
Surjit Rai

Joint Secretary :
Suresh Sharma

Treasurer :
Arvind Abrol

Executive Member :
Pawan Tinu
Ranbir Shally
Mukesh Rahtour
Ajit Singh
Sameer Mehra
Harmeet Singh
Lalitesh Bhasin
Rakesh Sharma
Rishikesh
Ashwani Kumar
Murli Wadva
Jeevan Kapoor
Vijay Kumar
Rakesh Sharma (Priya)
Michal Ohri
Dr. Pawan Gupta
Pankaj Kapoor
Amit Kukreja
Dr. Pasricha
Abhinav Rathour
Raman Pabbi
Sunil Jyoti
Davinder Kalia
Rishab Abrol
Pankaj Sharma
Parveen Rathour
Mandeep Singh
Mukesh Puri

Ref. No.

Dated. 6/6/2016.

To,
The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Sub: Implementation of Smart City Proposal in Jalandhar

Sir,

We are happy to learn that State Government of Punjab is projecting Jalandhar City to be developed as Sports Hub under the Smart city initiative. This fits well with the existing sports culture prevalent in the city that has nurtured youth and made them world class players.

Jalandhar District Cricket Association is happy to state that it would provide all the possible support to Municipal Corporation of Jalandhar/ Smart city SPV in conducting various national/international events at the proposed venue. It shall also encourage various national/international players to provide Hockey training to the local youth that will help in creating a conducive environment to utilize proposed sports infrastructure in the Burlton Park.

Yours faithfully

Secy - J.D.C.A.

4.23f Letter of Support from Sports Academies



District Badminton Association, Jalandhar (Affiliated with Punjab Badminton Association)

RAJZADA HANS RAJ BADMINTON STADIUM,
G.T Road, Jalandhar City – 144001

Phone : 181-67
E-mail : diba.jalandhar@gmail.com

President

Kamal Kishor Yadav I.A.S
Deputy Commissioner, Jalandhar
D.C Residence, Jalandhar
Phones: Off. : - 2224783
Resi. : - 2459664

Hony.Secretary

ASHWANI KUMAR
VICTOR FORGINGS

A-4, Focal Point, G.T Road
Jalandhar – 144012 (PB) INDIA
Ph. (O) :- 91-181-5030200 Fax:- 2602020

To,
The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Sub: Implementation of Smart City Proposal in Jalandhar

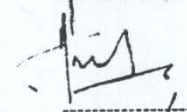
Sir,

We take pride in associating with State Government of Punjab and Municipal Corporation of Jalandhar to develop Jalandhar as Sports & Healthy city. Historically, Jalandhar has the legacy of producing the international level players in the sports sector and will continue to do so, given the sports facilities and the related infrastructure present in the city. The city also has a strong presence of Sport Good Manufacturing industry. The sports goods produced from Jalandhar city are exported world over. These strengths provides the city good base for making it a international level sports hub

With the passage of time Sports has emerged as a good career option not only for the players but also for the people involved in the related sectors of media, advertising, Sports manufacturing, program management/event management agencies. Corporatisation of the sports sector is helping the Sports industry and the youth (Urban/Rural) to capitalize the opportunities in the sports sector and achieve higher accolades.

We will be happy to be associated with city authorities and the proposed Smart City SPV in making Jalandhar as Sports Hub by providing sports training to the youth and will create a conducive environment to utilize proposed sports infrastructure in the Burlton Park.

Yours faithfully


ASHWANI KUMAR
Secretary D.B.A.
Jalandhar

4.23g Letter of Support from Sports Academies



Punjab Football Association

C/o JCT Limited
Phagwara-144 404
Punjab.

Ph.: (0) 01824-304151, 304019 Fax : 01824-261191, 266389
e-mail: punjabfootball@jctltd.com / vijaybali@jctltd.com
e-mail: baliv@hotmail.com Website : www.punjabfootball.com
June 7, 2016

By Hand

The Municipal Commissioner,
Municipal Corporation
Jalandhar.

Sub: Implementation of Smart City Proposal in Jalandhar

Sir,

We are pleased to learn that State Government of Punjab is projecting Jalandhar City to be developed as Sports Hub under the Smart City initiative. This fits well with the existing sports culture prevalent in the city that has nurtured youth and made them world class players. It is also worth mentioning here that Jalandhar City is number one city in Sports Goods Manufacturing in India.

Punjab Football Association is pleased to state that it would provide all the possible support to Municipal Corporation of Jalandhar/Smart City SPV in conducting various national/international events at the proposed venue 'Guru Gobind Singh Football Stadium, Jalandhar'. It shall also encourage various National/International players to provide football training to the local youth that will help in creating a conducive environment to utilize proposed sports infrastructure in the Guru Gobind Singh Football Stadium and Burlton Park.

Thanking you,

Yours faithfully,
for Punjab Football Association



(Deepak Kumar)
Former International Footballer
General Secretary

4.23h Letter of Support from Sports Academies

DISTT. SWIMMING ASSOCIATION JALANDHAR(REGD.) (AFFILIATED TO PUNJAB SWIMMING ASSOCIATION)

President
CAPT. AJIT SINGH
(Retd. Addi Director Food & Supplies Pb.)
Res: White House, Majitha Road,
Amritsar Ph: 2213343, 2224941

Sr. Vice President
HARISH KALIA
Mob: 98153-33500
(O) 2601120

Hony. Treasurer
SUNIL JYOTI
Ph: (O)-2292029
(R)-2238624

Hony. Gen. Sect.
SUSHIL KOHLI
Off.S-108, Indl, Area
Jalandhar
Ph: (O& R) 2295108
Mob: 98143-28108
Fax:- 2291046, 2293386

Ref. No. *DSWJ/June/109*

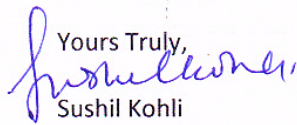
dt 06-06-2016

To,
The Municipal Commissioner
Municipal Corporation of Jalandhar
Jalandhar

Sub: Implementation of Smart City Proposal in Jalandhar

Sir, We are happy to learn that State Government of Punjab is projecting Jalandhar City to be developed as Sports Hub under the Smart city initiative. This fits well with the existing sports culture prevalent in the city that has nurtured youth and made them world class players. DISTRICT SWIMMING ASSOCIATION JALANDHAR is happy to state that it would provide all the possible support to Municipal Corporation of Jalandhar/ Smart city SPV in conducting various national/international events at the proposed venue. It shall also encourage various national/international players to provide swimming training to the local youth that will help in creating a conducive environment to utilize proposed sports infrastructure in the Burlton Park. Wish you all the best for the Sports Hub.

Thanking You

Yours Truly,

Sushil Kohli
Hony.Genl.Sect.
Jalandhar

Dhyan Chand Awardee in Swimming 2011
Asian and Asian Games Medalists
in Swimming and in Water Polo
Mobile No.09814328108

4.24 Letter of Support from Cycle Association



JALANDHAR BIKING CLUB (Regd.)

526-L, Model Town, Jalandhar, Tel: 98156-50501, 81468-92200

TO

The Muncipal Commissioner

Muncipal Corporation of Jalandhar

Jalandhar

Sub: Implementation of Smart City Proposal in Jalandhar

Sir,

With reference to the subject cited above, it is to intimate that **JBC- JALANDHAR BIKING CLUB** will help Special Purpose Vehicle (SPV) in advocating Non Motorised Transport (NMT) in order to make Jalandhar City a safe , livable and pollution free city.

For this purpose we extent our support to Muncipal Corporation of Jalandhar (MCJ) and proposed SPV in organising various rallies and events to generate awareness amongst the citizens at large.

Sukhvir Singh

4.25a Letter of Support from Industrial Association

(O) : 2600017,5002292
Fax : 0181-2600717

Jalandhar Industrial Focal Point (Extn.) Association (Regd.)

BYE-PASS, JALANDHAR - 144 004
OFFICE : D-52, FOCAL POINT (EXTN.), JALANDHAR.

Chairman :
Shital Vij
Shital Fibres Ltd
A-17, Focal Point, Jal.
Ph. : 2603001

President :
Narinder Singh Saggu
Hind Pumps
C-87, Focal Point, Jal.
Ph. : 2600017, 2600717

Gen. Secretary :
Ramesh Chander Sangar
Sangar Enterprises
D-52, Focal Point, Jal.
Ph. : 2602292, 2753269

Ref. No. JIFPEA /

Dated... 07-06-2016

To whom so ever it may concern

Sub: Support to Smart City initiative of Govt of India for Jalandhar city

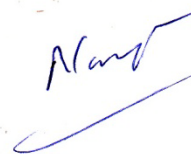
Sir/Madam ,

We wish to thank you for making us part of the City vision development process for developing Jalandhar as Smart City. We strongly support the idea for developing Jalandhar as Sports City. The vision will help in giving a boost not only to the Youth of Punjab for adopting healthy lifestyles through sports, but will also help in giving boost to the local small scale manufacturing industry of Jalandhar city which employs constitutes more than 95% of the industrial population.

This is to state that **JALANDHAR INDUSTRIAL FOCAL POINT(EXTN.) ASSOCIATION(REGD.)**, will provide all the possible support to Municipal Corporation of Jalandhar and Smart City SPV to be constituted by the State government under Smart City Mission, for achieving its goals by joining hands with Government to provide market oriented skills based trainings to the youth. The industrial association shall also make all possible efforts to showcase and promote the industrial goods by utilizing the Common infrastructure /Sports infrastructure venue/Commercial arena to be developed as part of the Smart City Project.

Yours faithfully

For Jalandhar Industrial Focal Point(Extn.) Association



Narinder Singh Sagoo
(President)

4.25b Letter of Support from Industrial Association

UDYOG NAGAR MANUFACTURER'S ASSOCIATION (Regd.)

UDYOG NAGAR, BEHIND FOCAL POINT, GODAIPUR, JALANDHAR-4.

President
Tejinder Singh
Bhasin
Ph. 988888089

Chairman
J.J.Malhotra
Ph.: 98152-07526

Gen. Secretary
Naresh Parmar
Ph. 98155-10410

Vice Chairman

- Satish K.Rana

Sr. Vice President

- Ashok Malhotra
- Ravinder S. Virdi

Vice President

- Manjit Rai Ahuja
- Kimti Lal
- Narinder S.Saini
- Ravi Sharma

Jt. Secretary

- Gurwinder Singh
- Satinder Saini
- Neeraj Kumar

Treasurer

- Raj Kumar
- Arun Kohli

P.R.O.

- Rajiv Dhir

Press Secretary

- Amit Malhotra

Organising Secretary

Anurudhvir Shindaliya

Chairman Co-ordination Committee

- Atam Singh

Chief Advisor

- Vijay Sharma

Advisors

- Rahul Vashisht
- Ashok Kumar
- Gaurav Sannan
- Vishal Walia
- Rajiv Aggarwal
- Rakesh Chadha
- Sham Kapur

(Letter of support from Industrial Association of Jalandhar)

To whom so ever it may concern

Sub: Support to Smart City initiative of Govt of India for Jalandhar city.

Sir/Madam ,

We wish to thank you for making us part of the City vision development process for developing Jalandhar as Smart City. We strongly support the idea for developing Jalandhar as Sports City. The vision will help in giving a boost not only to the Youth of Punjab for adopting healthy lifestyles through sports, but will also help in giving boost to the local small scale manufacturing industry of Jalandhar city which employs constitutes more than 95% of the industrial population.

This is to state that UDYOG NAGAR MANUFACTURER'S ASSOCIATION(REGD.), will provide all the possible support to Municipal Corporation of Jalandhar and Smart City SPV to be constituted by the State government under Smart City Mission, for achieving its goals by joining hands with Government to provide market oriented skills based trainings to the youth. The industrial association shall also make all possible efforts to showcase and promote the industrial goods by utilizing the Common infrastructure /Sports infrastructure venue/Commercial arena to be developed as part of the Smart City Project.

For UDYOG NAGAR MANUFACTURING ASSOCIATION(REGD.)


President
(Tejinder Singh Bhasin)

4.25c Letter of Support from Industrial Association

NORTHERN CHAMBER OF SMALL & MEDIUM INDUSTRIES

Patrons: **RAKESH RATHORE**
ATAMJEET S. BAWA
SHITAL K. VIJ
SUKHDEV RAJ
SUDARSHAN SHARMA
MANMOHAN S. KALSI
GURSHARAN SINGH G.N.A

President: **SHARAD AGGARWAL**

Convenor: **NARINDER S. SAGGU**

Regd. Office : **FORGINGS & CHEMICALS INDS**
G.T. ROAD, BYE-PASS,
JALANDHAR - 144 004
Ph.: 0181-2611300 - 03
Fax: 0181-2611305
E-mail: sharad@oaykay.com

Organising Committee:
KAMNA RAJ AGGARWALA
PARMOD CHOPRA
HARSH GUPTA
S.P. SHARMA
KULDEEP SINGH

MEMBER ASSOCIATIONS:

JAL INDL. FOCAL POINT EXTN.ASSOCIATION
Narinder Singh Saggu 9814060517

HAND TOOLS EXPORTERS FORUM
Jyoti Parkash 9814088342

SPORTS & SURGICAL COMPLEX ASSN.
R.K. Gandhi 9814067167
ALL INDIA HAND TOOLS MFRS.ASSOCIATION
Sukhdev Raj 9814062200

FED. OF JALANDHAR ENGG. IND
Parmod Chopra 9814050049

THE JAL INDL FOCAL POINT ASSOCIATION
Surinder Kapur Joint Sec. 9876826176

FEDN.OF JAL INDL.&TRADERS ASSOCIATION
Gursharan Singh 3154396

NORTHERN REGION EXPORTERS FORUM(REGD)
P.C. Sondhi 2252648

PUNJAB HARDWARE MFRS ASSOCIATION
Gurcharan Singh 9815543438

LAGHU UDYOG BHARTI
Satpal Sharma 9876544124

ASSOCIATION OF JAL. CASTING INDUSTRIES
Satish K Bhigamal 9876303236

BOLTS AND NUTS MANUFACTURERS ASSN
D.L. Sabharwal 9814000817

AUTO PARTS MFRS ASSOCIATION
Ashwani Kapur 9815979791

PIPE FITTING MFRS ASSN (REGD)
Surinder Jaggi 9814325565

NORTHERN INDIA DOMESTIC APPL ASSN
Shri Ram Ahuja 9417060200

PIPE FITTING MFRS ASSO PB
Prem Mahe 2291565

PUNJAB VALVES & COCKS MFRS ASSN
Vijay K. Kumar 9814454255

ALL INDIA VALVES & COCKS MFRS ASSN
Pran Nath Bala 9815961150

SWITCH GEAR MFRS. ASSN.
Sukhdev Saini 9814088200

KAPURTHALA CHAMBER OF COMM. & INDS.
Anoop Kalhan 9814132959

UDYOG NAGAR INDL. ASSOCIATION
T.S. Bhaseen 9888888089

LEATHER FEDERATION
Kol. J.S. Paul 9876195194

PB SMALL IND. FURNACE CASTING ASSON.
Ashwani Kapoor 9815979791

JALANDHAR TOOLS MFRS ASSOCIATION
R.K. Verma 94175-92597

GARDEN TOOLS EXPORTERS FORUM
Deepak Aggarwal 9814060984

(Letter of support from Industrial Association of Jalandhar)

To whom so ever it may concern

Sub: Support to Smart City initiative of Govt of India for Jalandhar city

Sir/Madam ,

We wish to thank you for making us part of the City vision development process for developing Jalandhar as Smart City. We strongly support the idea for developing Jalandhar as Sports City. The vision will help in giving a boost not only to the Youth of Punjab for adopting healthy lifestyles through sports, but will also help in giving boost to the local small scale manufacturing industry of Jalandhar city which employs constitutes more than 95% of the industrial population.

This is to state that Northern Chamber of Small & medium Industries Associations, will provide all the possible support to Municipal Corporation of Jalandhar and Smart City SPV to be constituted by the State government under Smart City Mission, for achieving its goals by joining hands with Government to provide market oriented skills based trainings to the youth. The industrial association shall also make all possible efforts to showcase and promote the industrial goods by utilizing the Common infrastructure /Sports infrastructure venue/Commercial arena to be developed as part of the Smart City Project.

Thanking you

Your faithfully


Sharad Aggarwal

President

For Northern Chamber of Small & medium Industries

4.25d Letter of Support from Industrial Association



THE SPORTS GOODS MANUFACTURERS & EXPORTERS ASSOCIATION

REGD. UNDER SOCIETIES ACT (XXXI OF 1860) NO. 332 DT. 30 OCT. 1978

(Letter of support from Industrial Association of Jalandhar)

To whom so ever it may concern

Sub: Support to Smart City initiative of Govt of India for Jalandhar city

Sir/Madam,

We wish to thank you for making us part of the City vision development process for developing Jalandhar as Smart City. We strongly support the idea for developing Jalandhar as Sports City. The vision will help in giving a boost not only to the Youth of Punjab for adopting healthy lifestyles through sports, but will also help in giving boost to the local small scale manufacturing industry of Jalandhar city which employs constitutes more than 95% of the industrial population.

This is to state that THE SPORTS GOODS MANUFACTURERS & EXPOERTERS ASSOCIATION (SGMEA) JALANDHAR will provide all the possible support to Municipal Corporation of Jalandhar and Smart City SPV to be constituted by the State government under Smart City Mission, for achieving its goals by joining hands with Government to provide market oriented skills based trainings to the youth. The industrial association shall also make all possible efforts to showcase and promote the industrial goods by utilizing the Common infrastructure /Sports infrastructure venue/Commercial arena to be developed as part of the Smart City Project.

For The Sports Goods Mfrs.
& Exporters Association

Yours truly

Auth. Sign.

Vipin Mahajan
(Secretary General) SGMEA

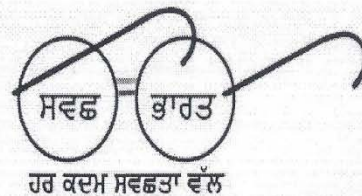
201, SHAKTI NAGAR, JALANDHAR - 144 001 INDIA

Tele : 0181-4632516, 6538516 E-mail : sgmea@sgmea.org website : www.sgmea.org

4.26 Letter for support from MCJ for implementing LED lighting



Municipal Corporation Jalandhar



To whom so ever it may concern,

Sub: Support to Smart City initiative of Govt of India for Jalandhar city

The Municipal Corporation of Jalandhar (MCJ) is envisaging to utilize the services of PSU company namely M/s Energy Efficiency Services Limited (A Joint venture company of National Thermal Power Corporation Limited, Power Finance Corporations and Rural Electrical Corporation and Power GRID) or any other agency specified by MCJ for implementing Pan City LED project in Jalandhar. The broad estimated cost of the project is Rs. 140.25 Crores.

It is envisaged that the project will replace all the existing Sodium Vapor Street lights to LED lights that would substantially reduce the energy consumption, thereby helping in resource conservation thus aligns in achieving the Smart City Objective. This project shall use ICT based applications for detection and management of street lighting system.

Towards the implementation of SCP, Municipal Corporation of Jalandhar & its implementing partner would collaborate with the SPV to be constituted by the State government under Smart City Mission, for achieving necessary convergence to meet Smart City objectives through this project, by coordination in planning, designing, financing, implementation operations and maintenance and shall exchange necessary information required for it.


(Gopri Singh Khehra)
Municipal Corporation
Jalandhar
Municipal Corporation Jalandhar

4.27 MOU for Gas Distribution between MCJ and M/s Jay Madhok Energy Private Limited



पंजाब PUNJAB

W 373817

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (hereinafter referred to as "MOU") executed on 12th January 2016 at Jalandhar BY AND BETWEEN:

JAY MADHOK ENERGY PRIVATE LIMITED, a company incorporated under the companies Act, 1956, having its registered office at D-143, Defence Colony, New Delhi - 110024 (hereinafter referred to as "JMEPL") which term unless repugnant to the context therefore shall mean and include its successors and permitted assigns of the One part.

AND

Municipal Corporation, Jalandhar having its registered office at Dr. B.R. Ambedkar Complex, Nehru Garden, Jalandhar City (hereinafter referred to MCJ which expression shall unless repugnant to the context include its successor and assigns) of the other part.

Hereinafter, JMEPL and MCJ are also collectively referred to as "Parties and individually as Party"

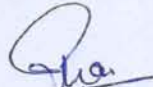
(i) Whereas JMEPL is an entity authorized by Petroleum and Natural Gas Board ("PNGRB") to lay, Build, Operate or Expand City or Local Natural Gas Distribution Network for the Geographical Area of Jalandhar CGD Network vide Letter of Authorisation No. Infra/CGD/BID/R-3/7/GA/Jalandhar/01/2013 dated 06.09.2013.

(ii) As part of the authorisation, JMEPL is committed to supply Compressed Natural Gas (CNG) to the transport sector and Piped Natural Gas (PNG) to Domestic, Commercial and Industrial Sectors.

(iii) And whereas one Civil Writ Petition No. 13490 of 2008 under Articles 226 of the Constitution of India titled as Jatinder Moudgil Vs Union of India and others has been filed by the petitioner Jatinder Moudgil for taking necessary steps for supply of CNG to five cities and also to create necessary infrastructure for its distribution in a time bound framework and etc.

(iv) That as per the order dated 9th March 2013 in CWP no. 13490 of 2008 the Secretary Local Govt. Punjab seeks time with regard to providing space to 1st party i.e. JMPEL for setting up the dispensing unit in the area of Jalandhar. Accordingly as per the order passed by the Hon'ble Court on 20.04.2015 Sh. Ashwani Kumar, State Transport Commissioner Punjab has filed an affidavit wherein it has been stated that in compliance to the order passed by the Hon'ble High Court the Municipal Corporation, Jalandhar has provided the space to M/s JMPEL (Appearing as respondent no. 96) for setting up dispensing unit. It has further stated that the suitable land has been identified and handed over soon subject to completion of all the formality in this case. It has been further assured that all those formality will be completed within the period of 6 months.

(v) That on 24.07.2015 the Municipal Corporation, Jalandhar 2nd part was impleaded as respondent no. 97 in the aforesaid CWP no. 13490 of 2008. The party of second part



MCJ has to provide the land for setting the CNG station, hence this MOU. Now on 03.11.2015 the Hon'ble Court has further directed the 2nd party Municipal Corporation, Jalandhar to handover the adequate space of land within a period of one month and the next date of the hearing is 15.01.2016 Hence this Memorandum of Understanding between the parties.

(v)Whereas JMEPL intends to setup infrastructure for CNG supply to the general public transport / Vehicles at large and other public transport.

NOW THEREFORE, in consideration of the mutual covenants and agreements hereinafter provided, it is hereby agreed as follows:

1. Objectives:

- a) This MOU is entered into for the purpose of establishing a framework for supply of Compressed Natural Gas (CNG) to the general public transport / Vehicles at large and other public transport by JMEPL for the purpose of providing eco friendly fuel for transport in the state of Punjab.
- b) MCJ has already provided required requisite space at LAMBA PIND CHOWK, JALANDHAR for setting up of CNG station.
- c) The CNG station will be installed, operated & maintained by JMEPL at the space allocated by MCJ at their own cost.
- d) The Parties intend to negotiate in good faith and execute necessary agreements specifying detailed terms on which JMEPL will supply CNG to the general public transport / Vehicles at large and other public transport.

2. Setting up of CNG Station and laying of pipeline

- a) M/s JMEPL shall construct a City Gas Station (CGS) for connecting pipeline by taking tap off from the Trunk Pipeline from Bawana to Nangal/ Bhatinda. M/s



JMEPL will also lay the feeder pipeline if required in order to supply CNG to the bus depot at MCJ.

- b) JMEPL shall construct a CNG station wherever required and technically suitable as mutually agreed on the space to be provided by MCJ and shall carry out required design and engineering work for construction and setting up of CNG station.
- c) Initially JMEPL may commence the supply of CNG to the general public transport / Vehicles at large and other public transport by filling through cascades, if required.
- d) The infrastructure (excluding Land) laid and installed by JMEPL shall be the exclusive property of JMEPL.

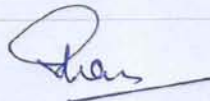
3. Availability of Land for setting up of CNG Station:

MCJ has provided an adequate piece of land in compliance of the directions issued by the Hon'ble Punjab & Haryana High Court at Chandigarh in CWP NO: 13490 of 2008 titled as Jatinder Moudgil vs UOI situated at LANBA PIND CHOWK, JALANDHAR for installation of CNG station.

4. Obligations of JMEPL:

The obligation of JMEPL with regard to construction and setting up of CNG station for the purpose of supplying CNG to the buses operated by MCJ and other CNG vehicles are as under:

- a) JMEPL shall be responsible for laying of pipeline, installation of compressors, dispensers, cascades and construction of CNG station at the land provided by MCJ.
- b) The operation and maintenance of the equipments as well as of CNG stations shall be the responsibility of JMEPL.



- c) JMEPL shall bear the cost of electricity utilized to operate the CNG station and their equipments.
- d) JMEPL shall obtain all the requisite permissions/approvals/NOCs for the construction and repairing of CNG stations, wherever required.
- e) JMEPL shall comply with all the labour laws/statutory requirements regarding the operation of CNG station. :

5. Execution of Agreement.

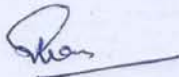
The Parties intend to negotiate in good faith and execute necessary agreements as and when require.

6. Notice

All notices, requests, demands and other communications required or provided for under this MOU shall be given in writing by pre-paid registered post and shall be forwarded to the following respective addresses of the parties hereto:

To
President,
M/s Jay Madhok Energy Pvt. Ltd.
D-143, Defence Colony
New Delhi 110024

To
Commissioner,
Municipal Corporation,
Nehru Garden, Jalandhar 144001



7. This MOU is signed between JMEPL and MCJ by their duly authorized representatives on the date, month and year first mentioned.

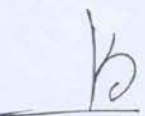
For and on behalf of M/S Jay Madhok Energy Pvt. Ltd.


Signature: 

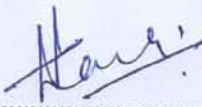
Name : Sandeep Trehan

Designation : President

For and on behalf of Municipal Corporation, Jalandhar.

Signature: 
Name: Kulvinder Singh
Designation: Superintending Engineer (B&R)
Municipal Corporation
Jalandhar

Witness: 
SUSMIL KUMAR
PROJECT MANAGER

Witness: 
JOHNNY SHARMA

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board
प्रथमतल-, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नयी दिल्ली - 110001
1st Floor, World Trade Centre, Babar Road, New Delhi – 110001

No.: Infra/CGD/BID/R-3/7/GA/Jalandhar/01/2013

06.09.2013

To,
Shri Satinder Singh Madhok
Director,
M/s Jay Madhok Energy Pvt. Limited
D-143, Defence Colony,
New Delhi 110024

Sub: Grant of Authorization for Geographical Area of Jalandhar CGD network (Bid No. PNGRB/CGD/BID/R-3/7/GA-JALANDHAR)

Sir,

With reference to Bid No. PNGRB/CGD/BID/R-3/7/GA-JALANDHAR and the Performance Bon submitted by you vide letter No. NIL dated 23rd August 2013, please find enclosed the Grant of Authorization in Schedule-D of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008 for the Geographical Area of Jalandhar CGD network.

2. It may be noted that the authorization shall be governed by the provisions of the relevant Regulations, various terms & conditions contained in the 'Application cum Bid document' and the clarifications issued by PNGRB w.r.t. Bid No. PNGRB/CGD/BID/R-3/7/GA-JALANDHAR.

3. Kindly acknowledge this letter and send us the acceptance within 14 days from the date of this letter.

Yours faithfully,

Encl: As Above


(K. Rajeswara Rao)
के. राजेश्वर राव/K. Rajeswara Rao
ओएसडी (आ) (R)
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड
Petroleum & Natural Gas Regulatory Board
प्रथम तल, वर्ल्ड ट्रेड सेंटर
1st Floor, World Trade Centre
बाबर रोड, नई दिल्ली-110001
Babar Road, New Delhi-110001

Schedule D
[see Regulations 10 (1) and 18 (7)]
**Grant of authorization for laying, building, operating or expanding
Jalandhar CGD network**

To,

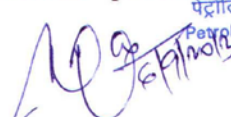
Shri Satinder Singh Madhok
Director,
M/s Jay Madhok Energy Pvt. Limited
D-143, Defence Colony,
New Delhi 110024

Subject: Grant of authorization for laying, building, operating or expanding CGD network in the authorized area of **JALANDHAR** under the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008

Sir,

With reference to the application-cum-bid submitted by M/s Jay Madhok Energy Pvt. Limited led Consortium for grant of authorization for laying, building, operating or expanding the CGD network in **JALANDHAR**, it has been decided to grant the authorization to M/s Jay Madhok Energy Pvt. Limited led Consortium subject to the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008 and the following terms and conditions:

1. The Authorized Area for laying, building, operating or expanding the proposed CGD Network shall cover an area of **338** square kilometers and as depicted in the enclosed drawing.
2. The activities of laying, building, operating or expansion of the CGD Network to commence within a period of **180** days from the date of this authorization.
3. The activities permitted above shall have to be completed as per the approved time schedule enclosed at Annexure-1. Any failure on the part of the entity in complying with the **milestones prescribed in the time**


क. राजेश्वर प्रसाद Keswara Rao
चेयरमन (आर)/OSD (R)
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड
Petroleum & Natural Gas Regulatory Board
प्रथम तल, वर्ल्ड ट्रेड सेंटर
1st Floor, World Trade Centre
बाबर रोड, नई दिल्ली-110001
Babar Road, New Delhi-110001

schedule shall lead to consequences as specified under Regulation 16 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008.

4. The entity shall design and install an optimal size of the infrastructure in terms of pipelines of various types including steel belting of the authorized area, online compressors of adequate capacity for compressing of natural gas into CNG, allied equipments and facilities in the CGD network as identified in its DFR depending upon the potential demand for natural gas. The infrastructure in the CGD network should be adequate to maintain uninterrupted flow of natural gas in the pipelines and be also able to maintain supplies at adequate pressure to online CNG stations.
5. The entity shall maintain an uninterrupted supply of natural gas to all categories of customers in the CGD network. In the event of any disruption in the supply of natural gas in the CGD Network, first priority shall be accorded to restoration of supplies to domestic PNG customers. In case of disruption of supply to domestic PNG customers for more than twelve hours, the entity shall compensate to the domestic customer on the following basis:-
 - (a) the normative volume of natural gas consumption for the first domestic PNG connection for cooking requirements based on last three months weighted average consumption per day to be applied for each day's disruption and multiplied by ten;
 - (b) normative value of natural gas consumption shall be based on last three months' weighted average billing price of natural gas for supplies to the first domestic PNG connection for cooking requirements; and
 - (c) the value of compensation shall be equal to normative volume of natural gas consumption as per clause (a) multiplied by normative value as per clause (b) and shall be adjusted by allowing a credit to the domestic PNG Customer in the next billing cycle or in the next pre-paid smart card in case of smart card metering.

In case the disruption of supplies is attributed to any fault of the domestic PNG customer, no compensation shall be payable by the entity.

के. राजेश्वर राव/K. Rajeswara Rao
मैनेजिंग डायरेक्टर (अपेक्स) OSD (R)
पेट्रोलियम और नैचुरल गैस रियुलैटरी बोर्ड
Petroleum & Natural Gas Regulatory Board
प्रथम तल, वर्ल्ड ट्रेड सेंटर
1st Floor, World Trade Centre
बाबर रोड, नई दिल्ली-110001
Babar Road, New Delhi-110001

6. The entity is allowed an exclusivity period under the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008, in respect of the following:
- (a) **300** months from the date of issue of this communication for laying, building and expansion of the CGD network; and
 - (b) **60** months from the date of issue of this communication in terms of an exemption from the purview of common carrier or contract carrier for the CGD network:

Provided that the entity meets the obligations in line with the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008:

Provided further that the period of exclusivity allowed under sub-clause (a) or sub-clause (b) may be terminated before the expiry of the period mentioned above in line with the provisions under Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008.

7. The authorized entity shall be required to take prior approval from the Board for creation of any lien, charge or hypothecation of the CGD network to secure finances for the project and furnish details of utilization of funds. However, in case of raising funds from any financial institution or bank, the entity will be required to only inform the Board of the sanction of the funds within a period of seven days.
8. The entity shall submit a detailed and clear financial closure report to the Board within a period of one hundred and eighty days from the date of authorization issued by the Board under Regulation 10 of Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008.
9. The entity shall publish the approved network tariff for transportation of natural gas as well as the compression charge for CNG in the CGD network in the authorized area.
10. The entity shall publish the applicable retail selling price of PNG for all categories of customers and also for the purpose of invoicing in Rs./MMBTU.

के. राजेश्वर राव/K. Rajeswara Rao
प्रसिद्धी (आर)/OSD (R)
पेट्रोलियम और प्राकृतिक गैस विनियामक
Petroleum & Natural Gas Regulatory Board
प्रथम तल, वर्ल्ड ट्रेड सेंटर
1st Floor, World Trade Center
बाबर रोड, नई दिल्ली-110021
Babar Road, New Delhi-110021

11. The entity shall publish and display the retail selling price of CNG for the purpose of invoicing to CNG customers in Rs./ Kg at all CNG dispensing stations.
12. The furnishing of performance bond of **Rs. 20 millions** is a guarantee for timely commissioning of the project as per the prescribed targets in the bid and for meeting the service obligations during the operating phase of the project.
13. The entity shall abide by-
 - (a) the service obligations as specified under Regulation 14 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008;
 - (b) the service obligations specified under the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008;
 - (c) the service obligations specified in Schedule-J to the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008;
 - (d) the quality of service standards as specified under Regulation 15 of Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008.
14. In case the authorization of the entity is terminated, the Board may assign the rights and obligations of the entity to any agency or another entity on such terms and conditions, as it may deem fit. Further, the entity may be required, as per the directions of the Board, to continue the operations of the CGD network at the same level till another agency or entity appointed by the Board takes over the full control of the CGD network.
15. The entity shall comply with the applicable provisions under the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008, Petroleum and Natural Gas Regulatory Board (Determination of Network Tariff for City or Local Natural Gas Distribution Networks and Compression Charge for CNG) Regulations,



क. राजेश्वर सिंह/R. Rajeswar
सह-सचिव/OSD (R)
पेट्रोलियम और प्राकृतिक गैस विभाग
Petroleum & Natural Gas Regulatory Board
प्रथम तल, वर्ल्ड ट्रेड सेंटर
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2008, Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008, relevant regulations for technical standards and specifications, including safety standards, any other Regulations as may be applicable and the provisions of the Act.

16. The entity shall comply with any other term or condition which may be notified by the Board in public interest from time to time.

You are requested to confirm your acceptance by filling-in the acceptance of the grant of authorization provided below and return the same in original. (Please note that all pages along with the Annexure are to be initialed & stamped).

Yours faithfully,

Dated: 6/9/2013


के. राजेश्वर राव
K. Rajeswara Rao
OSD(R)
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड
Petroleum & Natural Gas Regulatory Board
प्रथम तल, वर्ल्ड ट्रेड सेंटर
1st Floor, World Trade Centre
बाबर रोड, नई दिल्ली-110001
Babar Road, New Delhi-110001

Acceptance of the Grant of Authorization

I / We hereby accept the grant of authorization issued by the PNGRB vide letter ref. _____ dated _____ and agree to comply with all the terms and conditions subject to which I/ We have been granted the authorization for laying, building, operating or expanding city or local natural gas distribution network in the authorized area of **JALANDHAR.**

Date:


Place:

Signature of the Entity or Authorized Signatory

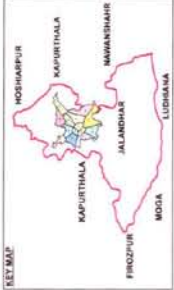
ANNEXURE-1

**Milestones for the Project Implementation for Geographical Area of
Jalandhar as per BID**

Year	Number of Domestic Customers	Inch-Kilometer of Steel Pipelines
Year 1	46,800	7,020
Year 2	46,800	7,020
Year 3	46,800	7,020
Year 4	46,800	2,340
Year 5	0	0


कै. राजेश्वर राय/R. Rajeswara Rao
ओएस.पी. (डी.डी. २१३३३३)
पेट्रोलियम आर प्राकृतिक गैस नियंत्रण बोर्ड
Petroleum & Natural Gas Regulatory Board
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JALANDHAR GEOGRAPHICAL AREA
(PUNJAB STATE)



Change Area Number	No. of Change Areas										
CA-01	14										
CA-02	14										
CA-03	14										
CA-04	14										
CA-05	14										
CA-06	14										
CA-07	14										
CA-08	14										
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CA-10	14										
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CA-12	14										
CA-13	14										
CA-14	14										

LEGEND

LANDMARKS

- AIRPORT
- BANK
- BUS STAND
- CINEMA
- COLLEGE/UNIVERSITY
- CONCRETE CENTER
- GENERAL
- HOSPITAL
- LABORATORY
- LIBRARY
- OFFICE
- PARK
- POLICE STATION
- RAILWAY STATION
- RELIGIOUS PLACE
- SCHOOL
- VILLAGE

VECTORS

- NATIONAL HIGHWAYS
- MAIN ROADS
- OTHER ROADS
- STREETS
- RAILWAYS
- ARISTOP
- GA BOUNDARY
- WATER BODIES

VILLAGE POPULATION

- VILLAGE WITH POPULATION 5000 AND ABOVE

REMARKS:

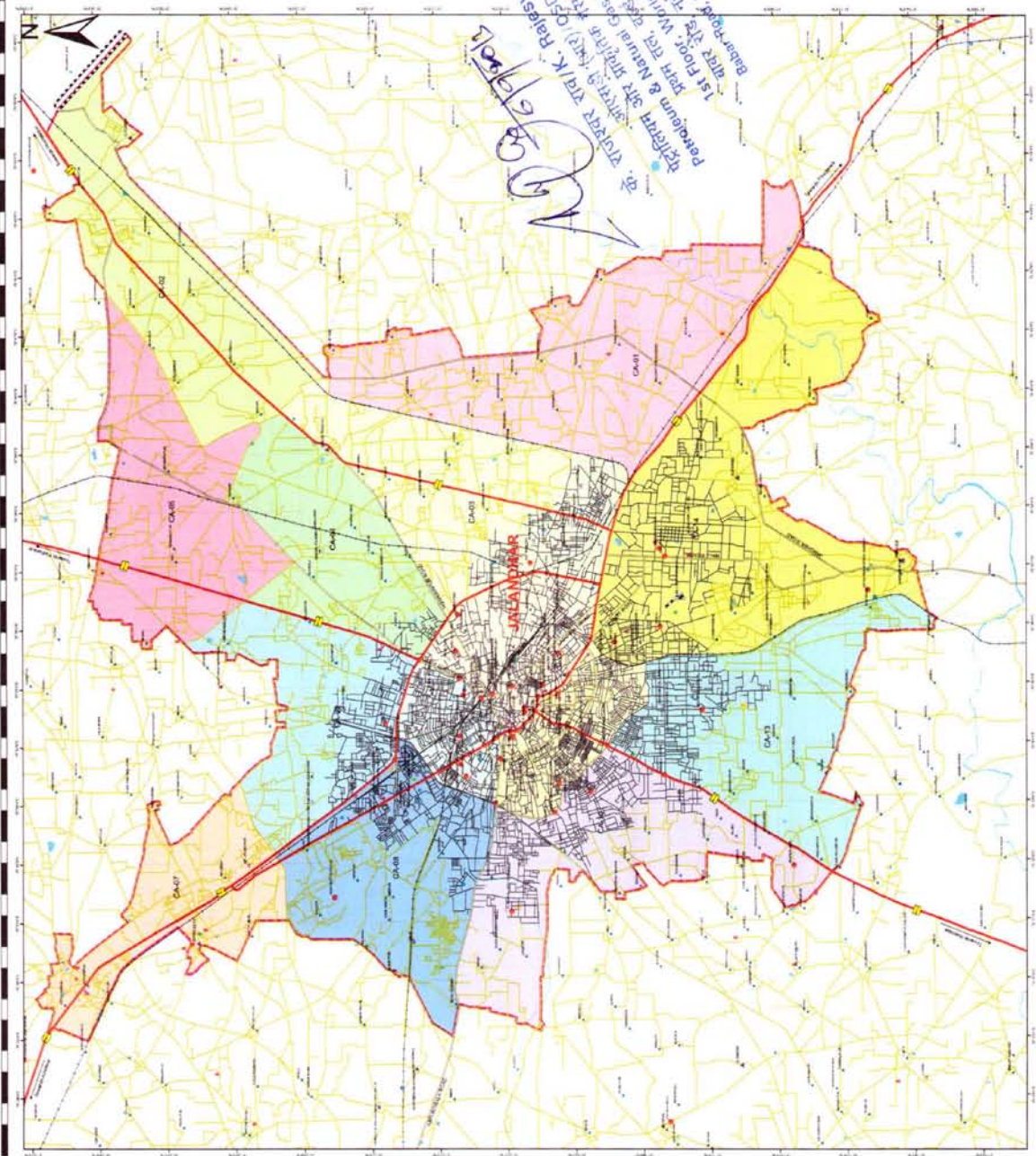
The map is prepared by the Punjab State Survey Department, Chandigarh. The map is based on the Survey of India maps and is subject to the changes in the boundaries of the State and the Union Territory of Chandigarh. The map is not to be used for any purpose other than the one for which it is prepared. The map is not to be used for any purpose other than the one for which it is prepared.

MAP SCALE

1:100,000

PETROLIUM AND NATURAL GAS REGULATORY BOARD
1st Floor, World Trade Centre, Jalandhar, Punjab - 146001

Map No. JGR/REG/REG-3/77GA, Jalandhar
Date: July-2010
Map Title: Jalandhar Geographical Area



4.28 Letter from PMIDC for State Support Agreement & Stakeholder Agreement



J.M. BALAMURUGAN IAS
Secretary Local Government, Punjab
CEO-cum-JMD, PMIDC



To


The Commissioner,
Municipal Corporation,
Jalandhar

Memo No. PMIDC/2016/10351

Dated: 13th June, 2016

Sub: State Government's support for implementation of Smart City Project- Jalandhar

Punjab Municipal Infrastructure Development Corporation (PMIDC) Limited of the Department of Local Govt. of Punjab being the State Nodal Agency for Smart Cities Project, coordinates all the State level initiatives on this subject. Towards strengthening the implementation of the Smart City Proposal (SCP) by both the Municipal Corporation and the SPV, PMIDC will be formulating a shareholders' agreement and State support agreement. The shareholders' agreement will be signed between the State Govt., the Municipal Corporation and the SPV, which will delineate the functional relationship between the three agencies and their corresponding responsibilities. It is also envisaged to devolve key responsibilities of Municipal Corporation to the SPV through this mechanism. The State Support Agreement will delineate the outline of the areas in which State Govt. will provide the necessary support to the SPV and Municipal Corporation in implementation of the SCP. Above two instruments will be legal documents of agreement which will facilitate the implementation of SCP in the city.


Secretary Local Government &
CEO-PMIDC

4.29 Letter of Support from NRI Community



THE RT HON LORD PAUL OF MARYLEBONE, PC
Caparo House
103 Baker Street
London W1U 6LN

20 June 2016

Mr. Sunil Jyoti
The Mayor
Municipal Corporation
Jalandhar

Dear Mr Jyoti

I am delighted to learn that Jalandhar is on the list of cities declared as the future smart cities of India.

Jalandhar is a wonderful city. I believe in Jalandhar and it deserves to be a smart city.

My family are from Jalandhar and I was born here in 1931. It was my home and where I received my primary and High School education. I also finished College at Jalandhar and I have gained so much from it over the years.

I believe in Jalandhar so strongly that I invested in the Ambika Paul School of Technology at PTU which I dedicated to my parents. We are also in the process of building a new block at my former High School.

I definitely support Jalandhar's bid to be a Smart City. It has talented, hard-working people who have already made great strides in building a vibrant working community and it will benefit from the increased investment which will in turn benefit the whole country.

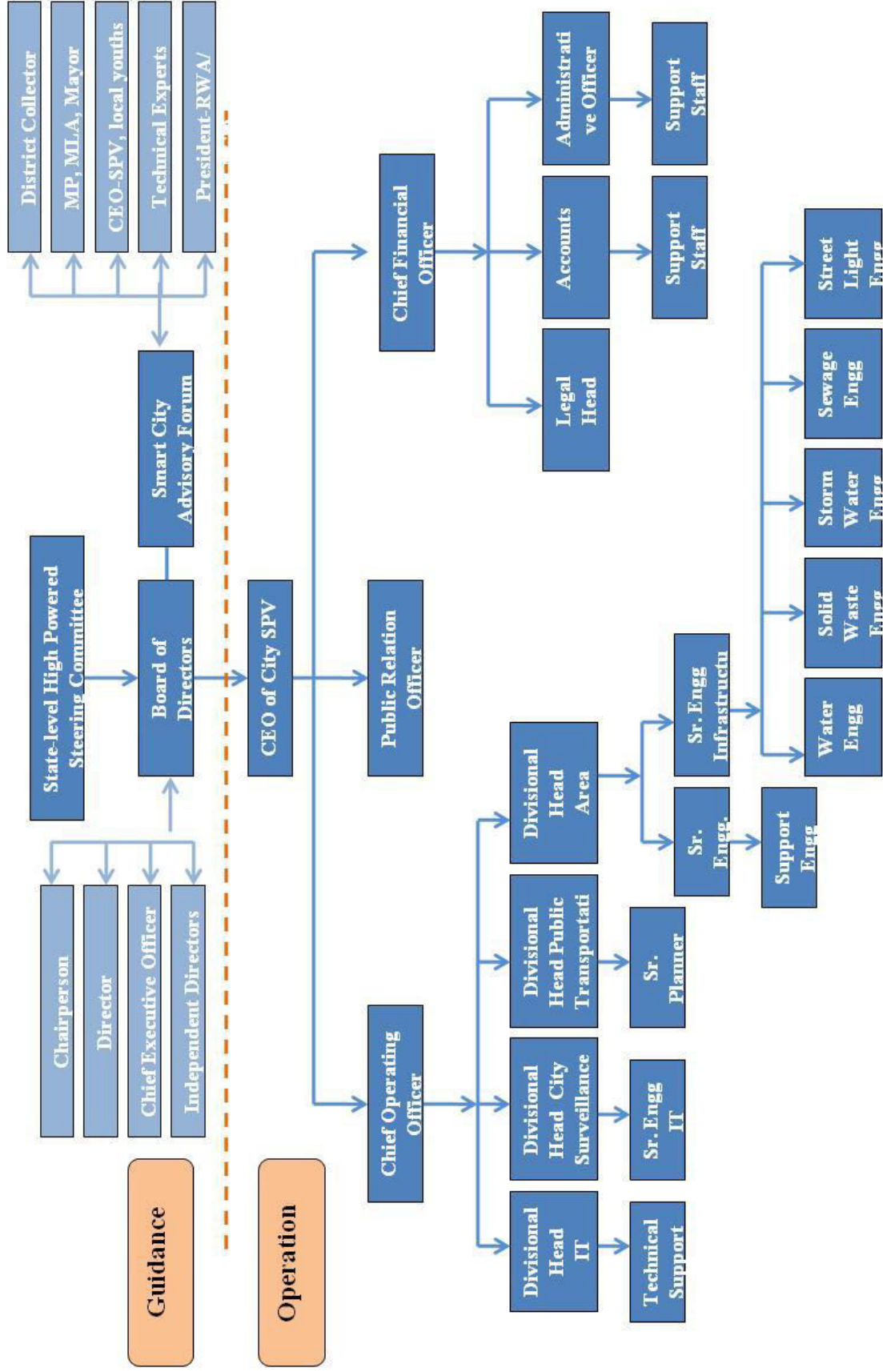
I wish you every success.

Yours sincerely

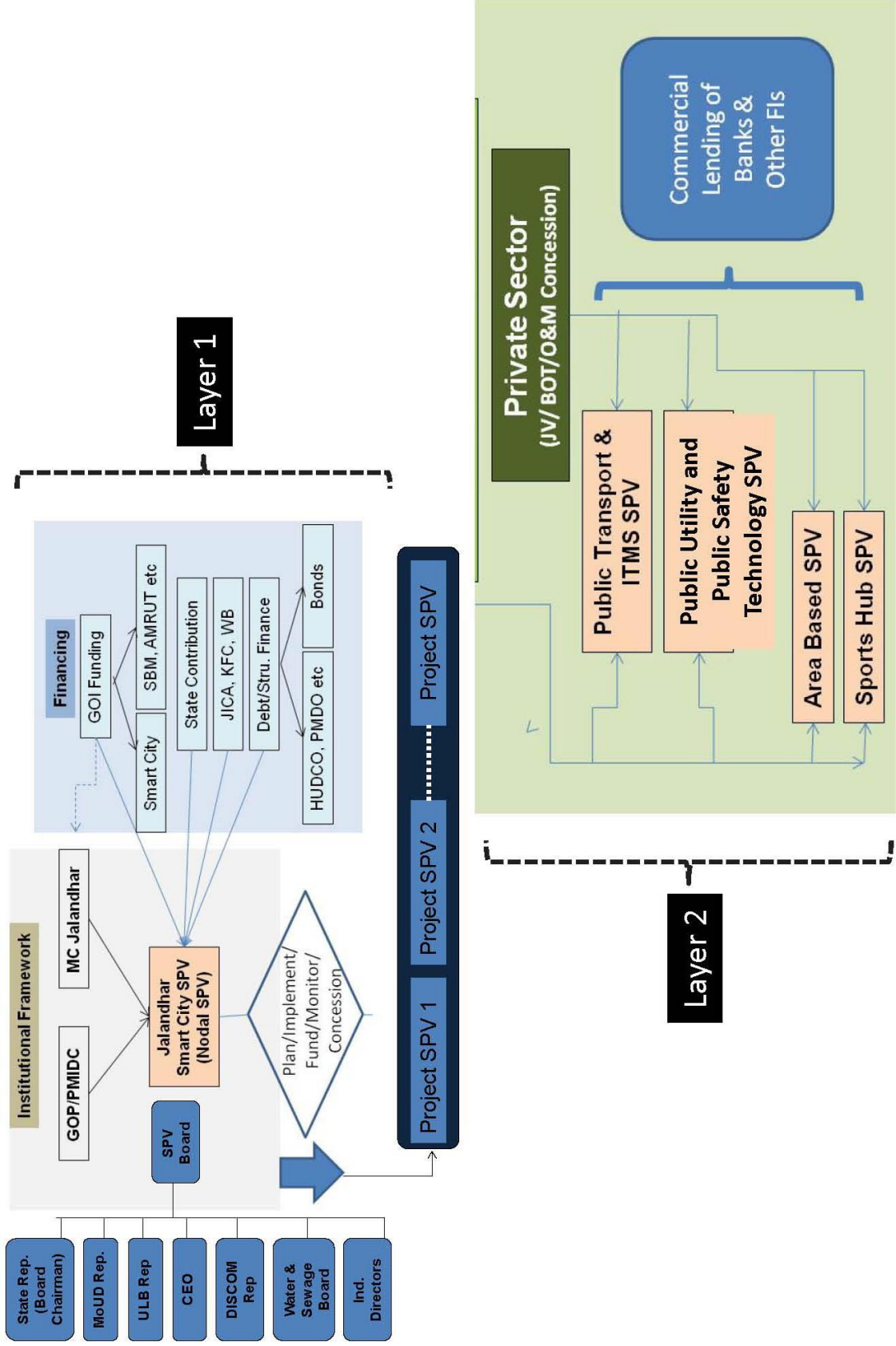
A handwritten signature in black ink, appearing to be 'Swraj Paul'.

The Rt Hon the Lord Swraj Paul

4.30 Preliminary human resource plan for the SPV



4.31 Institutional arrangement for operationalisation of the SPV



4.32 List of Abbreviations used in proposal

ABD	Area Based Development
AMR	Automated Metered Readers
AMRUT	Atal Mission for Rejuvenation and Urban Transformation
ATCS	Automated Traffic Control System
AVLS	Automatic Vehicle Location System
BRTS	Bus Rapid Transit System
C&C	Command & Control
CCTV	Closed circuit Television
CFC	Citizen Facilitation Centers
CGD	City Based Gas Distribution
CLU	Change in Land Use
CNG	Compressed Natural Gas
DMS	Distribution Management System
DPR	Detailed Project Report
ECS	Equivalent Car Space
EPC	Engineering Procurement & Construction
EWS	Economically Weaker Section
F&CC	Finance and Contract Committee
FAR	Floor Area Ratio
FGD	Focused Group Discussion
GIS	Geographic Information System
GoI	Government of India
GoP	Government of Punjab
GPS	Global Positioning System
HHs	Households
IBEF	India Brand Equity Foundation
ICT	Information and Communications Technology
IPDS	Integrated Power Development Scheme
IPT	Intermediate Para-Transit
ITS	Intelligent transportation systems

4.32 List of Abbreviations used in proposal

ITSPUPS	Integrated Technology Solution for Public Utilities & Public Safety
JCTSL	Jalandhar City Transport Services Limited
JV	Joint Venture
LED	Light Emitting Diode
LPCD	Litres per person (capita) per day
LSL	LED Street Lighting
LT	Low Tension
MCJ	Municipal Corporation Jalandhar
MLCP	Multi Level Car Parking
MoPNG	Ministry of Petroleum and Natural Gas
MoU	Memorandum of Understanding
MSW	Municipal Solid Waste
NGO	Non Governmental Organisation
NMT	Non Motorised Transport
NRI	Non-Resident Indian
NRW	Non Revenue Water
O&M	Operation & Maintainance
OHSR	Overhead Service Reservoir
PCR	Police Control Room
PIS	Passenger Information System
PMC	Project Management Consultancy
PNG	Piped Natural Gas
ITSPUPS	Integrated Technology Solution for Public Utilities & Public Safety
JCTSL	Jalandhar City Transport Services Limited
JV	Joint Venture
LED	Light Emitting Diode
LPCD	Litres per person (capita) per day
LSL	LED Street Lighting
LT	Low Tension
MCJ	Municipal Corporation Jalandhar

4.32 List of Abbreviations used in proposal

PPP	Public Private Partnership
PSU	Public Sector Units
PT	Public Transport
PTZ	PAN Tilt Zoom
PUM	Public Utility Management
PWD	Public Works Department
RFID	Radio Frequency Identification
ROW	Right of Way
RTS	Roof Top Solar
RWA	Resident Welfare Association
S&S	Safety & Security
SCADA	Supervisory Control And Data Acquisition
SCBS	Smart City Bus System
SCM	Smart City Mission
SLB	Service Level Benchmark
SLF	Secured Landfill Facility
SPV	Special Purpose Vehicle
STP	Sewage Treatment Plant
UFW	Unaccounted-for Water
ULB	Urban Local Body
URDPFI	Urban & Regional Development Plans Formulation & Implementation
V/C	Volume/Capacity
WTE	Waste to Energy
PPP	Public Private Partnership
PSU	Public Sector Units
PT	Public Transport
PTZ	PAN Tilt Zoom
PUM	Public Utility Management
PWD	Public Works Department
RFID	Radio Frequency Identification