

Drawings done by Students

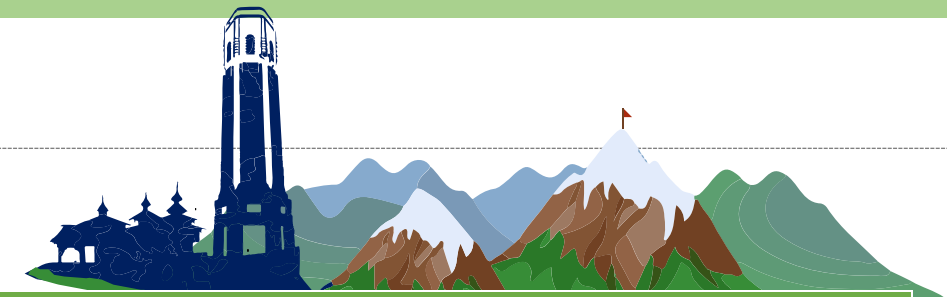
DEHRADUN





SMART CITY PROPOSAL

ANNEXURE 02

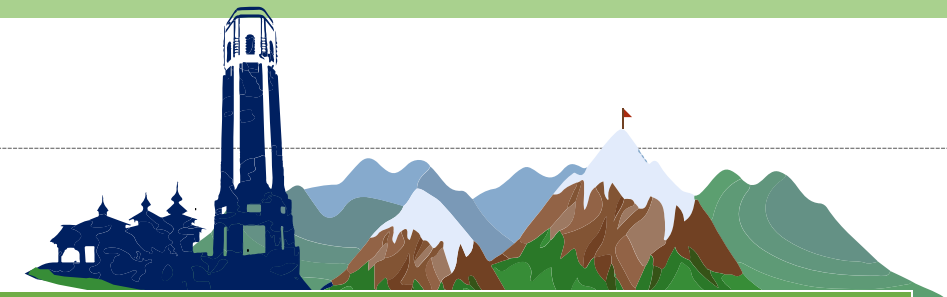







Dehradun Smart City Proposal Annexure II



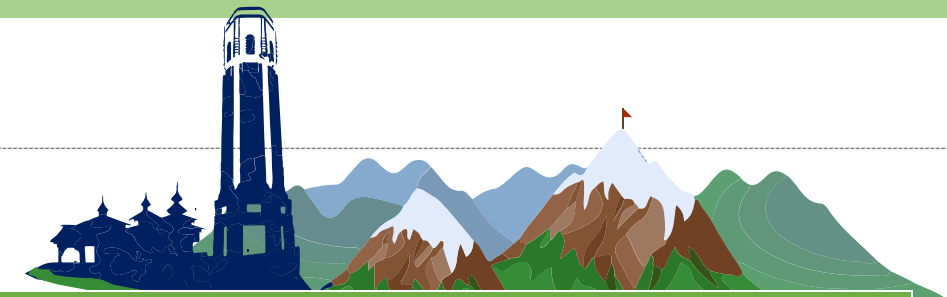
A #	B Smart City Feature	C Definition	H Self-Assessment of the city with regard to each feature	I Basis for Assessment and/or quantitative indicator (Optional only if data available)	J Projection of 'where the city wants to be' with regard to the feature/indicator based on the city vision and strategic blueprint	K Input /Initiative to be taken to reach the advanced level (Scenario 4)
1	Citizen Participation 	A smart city constantly shapes and changes course of its strategies incorporating views of its citizen to bring maximum benefit for all. (Guideline 3.1.6)	Scenario 3	<ul style="list-style-type: none"> Dehradun has also launched DMC app to allow residents to pay property tax, tender facilities, and file complaints regarding streetlights, SW & other civic issues MDDA has an online public grievance redressal (within 72 hours) cell with efficiency increasing from 82% (2013) to 93% (2016) SAMADHAN" at state level has been implemented so that citizens can address these issues to CM MDDA & DMC have also initiated LIVE TALKS and LIVE GROUP CHATS for interaction with citizens Citizen engagements : 11% of total population participated Online: Viewers 43620, Opinion Poll: 29350 votes, Likes: 5822, Comments: 407, Discussion: 227 	Constructing strong citizens involvement and keeping current momentum gained under the SCP, through offline and online channels Dehradun aspires to engage all the residents going forward in all key policy and project level decisions and solutions Scenario 4	<ul style="list-style-type: none"> Upgrading the existing website as part of PAN city initiative making it a central portal for public outreach, grievance redressal and city services by linking it to websites of other related departments, city database and social media. Level of engagement with citizens undertaken as part of Smart City proposal will be continued for all future city initiatives- WiFi Zones at Social Spaces, Online Kiosks to be retained, and Workshops with Stakeholders and FGD to be conducted on regular basis etc. Citizen Outreach Program Activated Zones in the Parks Citizen Connect through DehradunOne App
2	Identity and Culture 	A Smart City has a unique identity, which distinguishes it from all other cities, based on some key aspect: its location or climate; its leading industry, its cultural heritage, its local culture or cuisine, or other factors. This identity allows an easy answer to the question "why in this city and not somewhere else?" A Smart City celebrates and promotes its unique identity and culture. (Guideline 3.1.7)	Scenario 2	<ul style="list-style-type: none"> Dehradun is a state capital and administrative center of state situated at the Himalayan foothills in the fertile Doon Valley. Education Hub- Some of the best public schools and convents of India are located here. Tourism Hub-As the city is a tourism gateway, the average floating population per day is 20,000 as per DNN's estimates which is approximately 4% of the total population of the city. Mussorie is located at 35 kms distance from the city and is a stunningly beautiful tourist spot Cultural Festivals- 1) Large festival is held on Shivratri in "Tapakeshwar Mahadev" temple every year 2) Jhanda Mela. 	Bring out the unique identity of Dehradun as the most livable and tourism attractive city in the country Scenario 4	<ul style="list-style-type: none"> Dehradun Tourism Mobile App: developing a City Level Tool Kit with Tour Maps, heritage walks, information on hotels, bus, train, restaurants, things to do etc. to inform and engage tourists and residents alike Inducing a local Identity through initiatives like façade rejuvenation of areas of Astley hall Clock Tower Heritage Restoration project Rejuvenation of city core at Tehsil Recreating old colonial charm of Paltan Bazaar with façade improvement
3	Economy and Employment 	A smart city has a robust and resilient economic base and growth strategy that creates large-scale employment and increases opportunities for the majority of its citizens. (Guideline 2.6 & 3.1.7 & 6.2)	Scenario 2	<ul style="list-style-type: none"> City Economy Dehradun has traditionally been known for its educational & research institutions along with its serene natural beauty. Tourism has substantial impact on the economy of the city as it is a major transit hub connecting regional tourist spots. Environment protection and conservation is a major concern and all the economic activities planned should be in tandem with the environment so as to preserve the beauty of the same. City Employment Total working population of the city – 29%, Tertiary Sector Employment – 75.2%, Secondary Sector Employment – 20.7%, Primary Sector Employment – 4.2%, Workforce participation ratio - 34.66, Street vendors count for about 2% of the population and provide 'affordable' as well as 'convenient' services to a majority of Dehradun, Many new projects in real estate sector are also planned in the city 	Leverage the inherent strengths of the city in terms of existing local talents and women empowerment coupled with skill development centers and innovation centers, startups creating huge amount of jobs throughout Dehradun city Scenario 4	Diversifying economic base through <ul style="list-style-type: none"> Innovation centers and startups in sectors like arts (art gallery at clock tower complex), hospitality etc. Developing Skill Development Centers, self-learning programs and ITIs that train local population in construction, electrical, electronics, hospitality and related services. Policy for sector specific industries Anchoring Tourism by promoting city's identity through rejuvenation of city's landmarks
4	Education 	A Smart City offers schooling and educational opportunities for all children in the city (Guideline 2.5.10)	Scenario 2	<ul style="list-style-type: none"> 16 Engineering/Professional Colleges - 100% with the benchmark 10 Universities in Dehradun -100% 12 Medical Colleges in Dehradun – 100% Benchmark 1 Veterinary Institute in Dehradun – Doon College of Veterinary Medicine 16 Technical Education Institution student-teacher ratio never exceeds more than 25:1 	Dehradun aspires to become a global leader in providing international quality education meeting the 35 sq feet area per student, having one primary school within 10 minutes of walking distance and a secondary school within 15-20 minutes; special e-learning modules for the under privileged Scenario 4	<ul style="list-style-type: none"> Network of Education Institutes through citizen outreach program Model Theme park for kids and tourists to provide real life experiences (work related, banking, health etc.)





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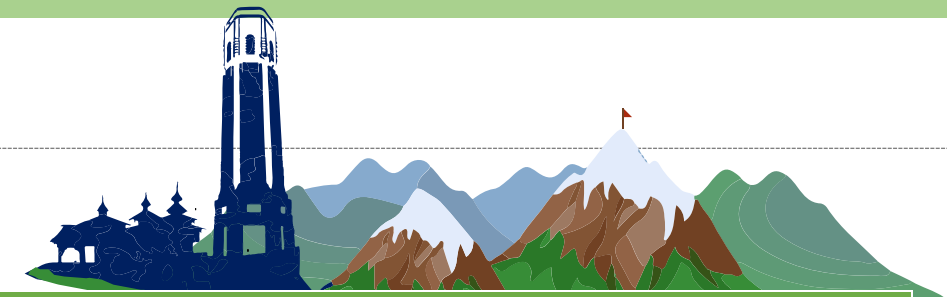
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5	Health 	A Smart City provides access to healthcare for all its citizens. (Guideline 2.5.10)	Scenario 3	<ul style="list-style-type: none"> 61 Dispensaries in Dehradun – 100% of the benchmark Intermediate Hospital (Category B) – 100% of the benchmark 1 General Hospital –100 % of the benchmark 1 veterinary Hospital – 100 % of the benchmark 1 Polyclinic hospital for 1 lakh population – 100% of the benchmark 	Greater emphasis on telemedicine and citizen awareness through mobile app to reduce mosquito borne diseases. Junction and park rejuvenation will promote healthy lifestyle amongst citizen. Water ATM's provides clean and pure water which will help in reducing water borne diseases, Scenario 4	<ul style="list-style-type: none"> In ABD Mosquito Surveillance Project using Environmental Sensors on Street Lights (mapped to City Nervous System GIS Platform), Parks Rejuvenation, pedestrianisation of bazaar to promote walking. Smart Ambulance to provide critical healthcare facilities Dehradun One City App
6	Mixed Use 	A Smart City has different kinds of land uses in the same places; such as offices, housing, and shops, clustered together. (Guidelines 3.1.2 and 3.1.2)	Scenario 1	<ul style="list-style-type: none"> Though Dehradun allows for mixed use, overtime, the city has been segmented into niche areas, forcing people to commute, increasing average trip length, putting pressure on the infrastructure, reducing the travel speed impacting the quality of life. No mixed Land use proposed in the CDP of Dehradun , Residential Land – 14.84%, Commercial Land – 3.76%, Industrial Land – 0.92%, Public and Semi-Public – 3.25%, Recreational – 3.29%, Transportation – 4.23%, Agricultural /Vacant/ Forest and Water Bodies – 69.70% 	Mixed use built form uncluttered core of the city and all key nodes of city core connected through loop and MLCP. Scenario 4	<ul style="list-style-type: none"> In ABD area rejuvenation improving recreation usage Recreation of urban green and restoration of heritage of the city: <ul style="list-style-type: none"> Iconic Clock Tower Heritage Restoration and junction improvement Astley hall rejuvenation with façade improvement in colonial architecture and redevelopment of co-operative office mixed use build form to MLCP Recreating the old pedestrian charm of Paltan bazar with façade in colonial architecture (project will start with Pedestrianisation of Paltan bazar)
7	Compactness 	A Smart City encourages development to be compact and dense, where buildings are located close to one another and are ideally within a 10- minute walk of public transportation, forming concentrated neighborhoods. (Guidelines 2.3 and 5.2)	Scenario 2	<ul style="list-style-type: none"> Population density is 87 Persons per hectare which is much lower than National Average 150 Persons per hectare The city has denser pockets towards city center, outer areas is sparsely developed. 	Creating and compacting transport areas with MLCP and redevelopment projects will increase compactness in the city by developing large parcels of underutilized land. Scenario 3	<ul style="list-style-type: none"> ABD project envisioned to be a compact development with availability of jobs, recreation hubs, education and health, etc. connected to the nearest residential hubs. New development in future that are compact where amenity space is used efficiently to have at least 15% open space, meeting the global benchmarks Rejuvenation of city core at Tehsil with re-development & Resettlement of 97 Shops, provision of compact mix use MLCP with 600 ECS and built up mass for commercial & office
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)	Scenario 1	<ul style="list-style-type: none"> Open Spaces, Recreational Spaces and Parks - Dehradun has 2.51 Sq.km. of areas under open space use which is about 3.56 % of the total land use (*Source : CDP 2015) against a benchmark of 15% laid down by the ministry of environment Dehradun has 64 small and large parks RFD of Rispana and Bindal rivers has provisions for over 2L sq. meter. Green space 	Increase open space in the city to meet the 15% international benchmark by utilizing the amenity spaces fully and leveraging the long riverfront stretch that Dehradun is endowed with. Open spaces should be well distributed in the city such that each resident is able to reach a garden within 5 minutes, walking on trial of connected footpaths Scenario 3	<ul style="list-style-type: none"> Appropriate planning of the city in accordance with revised CDP, Gandhi Park beautification and development to make it children friendly with provision of universal access for disabled and elderly Policy interventions for parks - MoU with RWA and Associations
9	Housing & Inclusiveness 	A Smart City has sufficient housing for all income groups and promotes integration among social groups. (Guidelines 3.1.2)	Scenario 1	<ul style="list-style-type: none"> 27% of the population live in slums Over 30% of the households are unregistered with DMC 	Slum free Dehradun by 2022 Scenario 3	<ul style="list-style-type: none"> Affordable Housing by MDDA: MDDA has been taking up annual targets of providing affordable houses to citizens of Dehradun. Other than this, Dehradun Municipal Corporation is also preparing HFAPoA for providing houses to Urban Poor & slum dwellers which form 26% of Dehradun's population. 18954 Dwelling units covered under PMAY scheme






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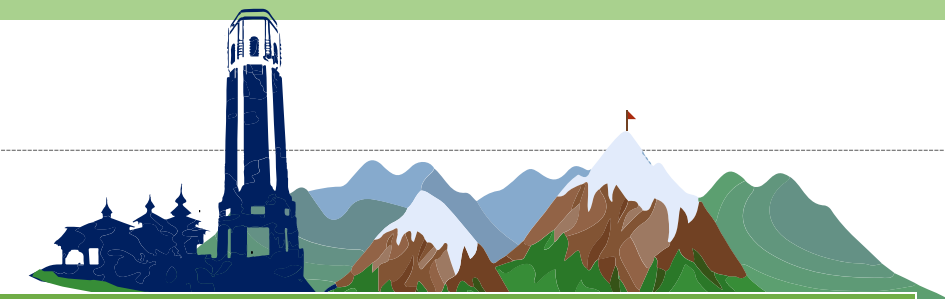
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10	Transport 	A Smart City does not require an automobile to get around; distances are short, buildings are accessible from the sidewalk, and transit options are plentiful and attractive to people of all income levels. (Guidelines 3.1.5 & 6.2)	Scenario 2	<ul style="list-style-type: none"> 48.1 % of roads in Dehradun are characterized by on-road parking on both the sides. At present, 389 buses are operating in the city covering 16 intra city routes Bicycle tracks, bus shelters, footpaths, guardrails and 2 multi-level parking's have been proposed. 	NMT share also increases with the development of compact mixed-use development, further improving the traffic Situation. Scenario 4	<ul style="list-style-type: none"> 30 Electric Buses, Interactive Bus-Stops connected to GPS driven buses, WiFi and touch-screen kiosks for Bus Arrival Prediction etc 200 e-rikshaws Route rationalization of public transport modes Parking provisions (MLCPs): Tehsil-600 ECS; Astley hall-200 ECS Traffic management, pedestrian & parking facilities in the area around DAVDBS college till survey chowk; Rejuvenation of city core at Tehsil with re-development & Resettlement of 97 Shops, provision of compact mix use MLCP with 600 ECS and built up mass for commercial & office. Integrated Traffic & Transport Management for the ABD area covering junctions, buses, stops and traffic management 5 Junction improvement (financial get covered under healthy and safe city as this project satisfying both the goals) Smart Model Road Project : E.C. Road covers traffic, junction management, bus stops, WiFi connectivity
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)	Scenario 1	<ul style="list-style-type: none"> 29.4% of the road length has availability of footpath on both sides 3.2% of the road length has availability of footpath on one side 67.4% has no footpath available 	Improved NMT as a result of push on compact mixed use development, supported by better facilities for pedestrians and cyclists in terms of extensive street network coupled with pedestrianisation, , sidewalks and walkways along major stretches Scenario 3	<ul style="list-style-type: none"> Pedestrianisation of Paltan bazar area with NMVs at central carriageway Pedestrianisation in Tehsil core city area Parks Rejuvenation around residential hubs/ colony area Creation of Sidewalks & Walkways
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)	Scenario 2	<ul style="list-style-type: none"> The city has made plans to provide high speed internet connectivity through the existing framework. As per Census (2011), DMC area has 11% households with computer and internet connection. Mobile penetration is 67.07% The 9000 Broadband plan has been adopted in municipal corporation for internet access. 	High speed optic fiber network to be laid down 500km across the city using provision for Right of Way(RoW) Access points to be strategically chosen to give maximum reach Scenario 3	<ul style="list-style-type: none"> City Fiber Backhaul Project (500 KM) Public Wi-Fi through Intelligent Poles
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)	Scenario 2	<ul style="list-style-type: none"> Following Modules have been implemented : Registration of Births and Deaths, Public Grievance Redressal, Property Tax , Mgmt., Municipal Accounting System, Building Plan Approval, Modules to be implemented and in-progress : Personnel Management System E-Procurement & Work Management System have been undertaken for integrated municipal enterprise resource planning (ERP) solution under National Mission Mode Project (NMMP) for better service delivery. Dehradun has launched DMC app to allow residents to pay property tax, tender facilities, and file complaints regarding streetlights, SW & other civic issues 	Extension of ERP suite for e-governance solutions across all citizen centric services for ease of doing business. Mobile app and ward level dashboards will help information to flow seamlessly across departments and citizens. Scenario 4	<ul style="list-style-type: none"> DehradunOne App covering several components, e-Services to Citizens Expansion of MDDA ERP for DMC Intelligent Poles covering several components ensuring fast and efficient service delivery such as Public Wi-Fi , Zero Call Drop , Flood Monitoring , Mosquito Surveillance System , Intelligent parking management , CCTV at vulnerable location , Intelligent Traffic Management







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14	Energy Supply 	A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guideline 2.4)	Scenario 3	<ul style="list-style-type: none"> Residential Energy Consumption – 234.66 million kwh Commercial Energy Consumption – 192.7 kwh Industrial Energy Consumption – 19.34 million kwh 100% metered connections % Population covered by Grid Based Power -97% 	24*7 Electricity supply with Permanent Smart Meters and SCADA will give 100% billing and collection efficiency Scenario 4	<ul style="list-style-type: none"> Implementation of SCADA & Smart Metering Convergence with Integrated Power Development Scheme (IPDS) Scheme
15	Energy Source 	A Smart City has at least 10% of its electricity generated by renewables. (Guideline 6.2)	Scenario 2	<ul style="list-style-type: none"> Residential Energy Consumption – 234.66 million kwh Commercial Energy Consumption – 192.7 kwh Industrial Energy Consumption – 19.34 million kwh 	Solar rooftops will bring renewable energy source in Dehradun to convert solar energy into power. Scenario 3	<ul style="list-style-type: none"> Policy Interventions related to Solar Rooftops Convergence with IPDS Scheme Solar roof topping of government buildings: 10 public and semipublic buildings getting solar panels on their rooftops
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)	Scenario 3	<ul style="list-style-type: none"> Coverage of water supply connections– 78% Per capita supply of water-155 LPCD Extent of metering of water connections– 8% Extent of non-revenue water– 40% Cost Recovery in water supply services -52% (Rs. 1757 lakhs collection/Rs. 3400 lakhs expenditure) Continuity of Water Supply -6hrs 	100% smart metering across all commercial and domestic establishments Scenario 4	<ul style="list-style-type: none"> Convergence with AMRUT, ADB funded project and other EAP (externally added project) for initiatives ensuring 24*7 supply of water Water ATMs at Slums, Markets and Bus Stops
17	Water Management 	A Smart City has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage stormwater runoff. (Guideline 6.2)	Scenario 1	<ul style="list-style-type: none"> Coverage of Storm Water Drainage Network – 11% (approx.) Aggregate no. of incidents of water logging reported in a year - 4 	Storm water drainage data collection and monitoring by intelligent poles. Scenario 3	<ul style="list-style-type: none"> Storm Water Drainage Project through convergence under AMRUT Monitoring of Road Flooding by intelligent Poles
18	Waste Water Management 	A Smart City treats all of its sewage to prevent the polluting of water bodies and aquifers. (Guideline 2.4)	Scenario 2	<ul style="list-style-type: none"> Coverage of Sewerage Networks: 30% Adequacy of Sewage treatment capacity: 100% Collection efficiency of Sewerage Network – 10% (51% on the basis of on-going projects) Extent of reuse and recycling of wastewater – 0% 	Through Policy interventions and smart building projects and AMRUT scheme to tackle all its sewage related deficiencies in terms of covering the entire population with sewage network Scenario 4	<ul style="list-style-type: none"> Policy interventions on Rainwater Harvesting in Residential MDUs Waste Water Management under AMRUT and ADB funded project

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19	Air Quality 	A Smart City has air quality that always meets international safety standards. (Guideline 2.4.8)	Scenario 2	<ul style="list-style-type: none"> City does not have plans, policies or programs to improve air quality. Systems to monitor air quality are absent <ul style="list-style-type: none"> Concentration of NO2 is 35 µg/m3 (M) Concentration of SO2 is 27 µg/m3(M) Concentration of PM10 is 138-185 µg/m3(C) Additional area of over 20L sq. m. green space as a part of RFD project. 	As a result of multi-pronged strategy to increase public and NMT share of traffic, Dehradun aspires to bring down its pollution levels of both, particulate matter and poisonous gases to acceptable levels. Further, stress on creating more open spaces, move to renewables, etc. all will help Dehradun become city with one of the best air quality in the country. Plantation of trees will filter out air. Scenario 3	<ul style="list-style-type: none"> Implementation of Intelligent Poles that are equipped with Air Quality Sensors Improvement through Clean Energy Projects of Electric Bus and e-Rickshaw Parks Rejuvenation 5,000 Trees plantation along with tree plantations in the institutes and colleges.
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)	Scenario 1	<ul style="list-style-type: none"> For Public Buildings in Dehradun Average Energy Performance Index is nearly 100kwh/m²/year Total Street Lights in Dehradun: 18,434 (approx.) DMC building existing lights has been completely replaced by LED lights. Pilot project has been initiated of LED street lights. DPR for Solar Power Plant is in process. 	Achieve maximum savings on energy utilized and controlled under public realm such as Intelligent lights, government buildings etc. Promote the use of energy efficient technologies by putting in proper incentive structure Scenario 3	<ul style="list-style-type: none"> Implementation of Intelligent Poles Project - LED Lighting Introducing Electric Buses Implementation of Solar Water ATMs Solar roof topping of government buildings: 10 public and semipublic buildings getting solar panels on their rooftops Green Building - Nagar Nigam Building: Rainwater harvesting, water recycle, recharging pit, rooftop garden, solar panels Additional area of over 2L Sq. Ft. green space as a part of RFD project
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)	Scenario 1	<ul style="list-style-type: none"> City does not have comprehensive underground electric wiring system. MDDA has done underground cabling as a pilot project from Clock tower to Kwaliti Chowk. 	Under ADB funding project, beyond ABD area in Rajpur road underground ducting is in process. Scenario 2	<ul style="list-style-type: none"> Underground electric cabling to be taken up by city ducting reducing the vulnerability during disasters, reduction of visual clutter and safety of the citizens and tourists. Integration with intelligent poles project
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)	Scenario 2	<ul style="list-style-type: none"> Coverage of toilets (individual or community) - 70% 	Dehradun leverages Swachh Bharat Mission's funding to ensure that everyone has access to toilets - personal or community to eliminate open defecation Scenario 4	<ul style="list-style-type: none"> City Sanitation Project on Construction of 26 Bio digester technology driven toilets using convergence with Swachh Bharat Mission Implementation of Garbage Bins Project under Swachh Bharat Mission
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)	Scenario 2	<ul style="list-style-type: none"> Household-level coverage of SWM services through door-to-door collection of waste – 70% Waste collection efficiency -60% (155MTPD/257MTPD) Waste Segregation – 0% Recycling of Solid Waste - 0% Recovery of Solid Waste – 0% Redressal of Complaints -85% 	Dehradun becomes 100% collection, transportation and disposal of waste. Scenario 4	<ul style="list-style-type: none"> Solid waste collection and transportation up to treatment and disposal site Treatment plant and SLF is under construction
24	Safety 	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)	Scenario 3	<ul style="list-style-type: none"> The number of police officers/100000 of population in Uttarakhand is 178 which are lower than neighboring states like HP and Punjab. No of challan/ fine cases have reduced from 8931 in 2013-14 to 5812 in 2015-16 Number of deaths due to road accidents have gone down from 289 (2012) to 176 (2015) Violent (assault and armed robbery) crime rate for Dehradun on a scale of 100 is 43.75 	Reduction in the incidents of crimes through slew of measures like: Integration of surveillance with centralized emergency response center for reduced response time, Women safety app, CCTV surveillance Scenario 4	<ul style="list-style-type: none"> Implementation of Women Safety App Project on City Nervous Centre CCTV surveillance of Vulnerable Areas through Intelligent Poles project Project on Junction Renovation to improve geometry and reduce accidents.



Drawings done by Students

DEHRADUN

SMART CITY PROPOSAL

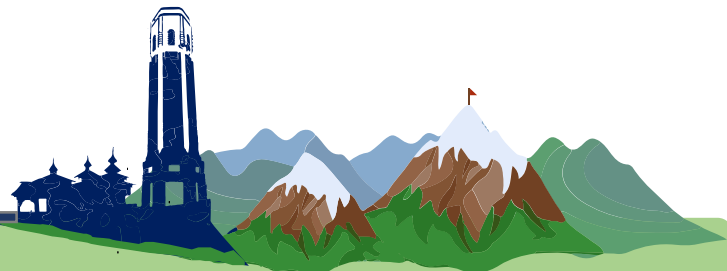
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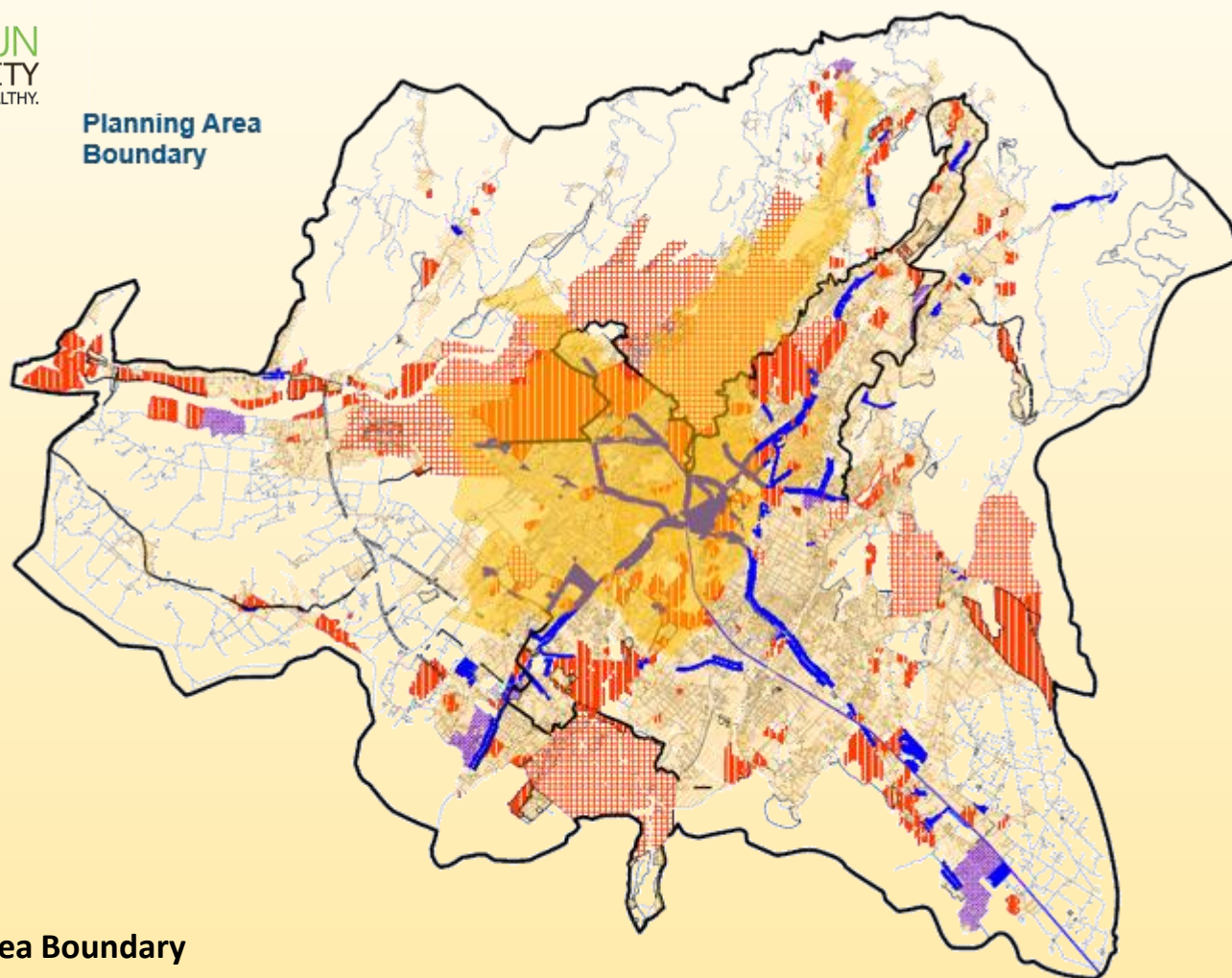
Annexure III - TOC



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- 3.3 Strategic Plan
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- 3.5 Projects Interventions and Features Mapping of ABD
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- 3.7 Junction Rejuvenation
- 3.8 Open spaces : Gandhi Park
- 3.9 Green Building : Nagar Nigam Building
- 3.10 Smart Toilets & Water ATMs
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- 3.12 Rejuvenation of Area around DAV & DBS College
- 3.13 Model Theme Park for Kids & Tourists
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- 3.15 Smart Model Road: EC Road
- 3.16 Integrated Approach: Pan City Solution
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- 3.19 Financial Outlay
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3.1 City Profile

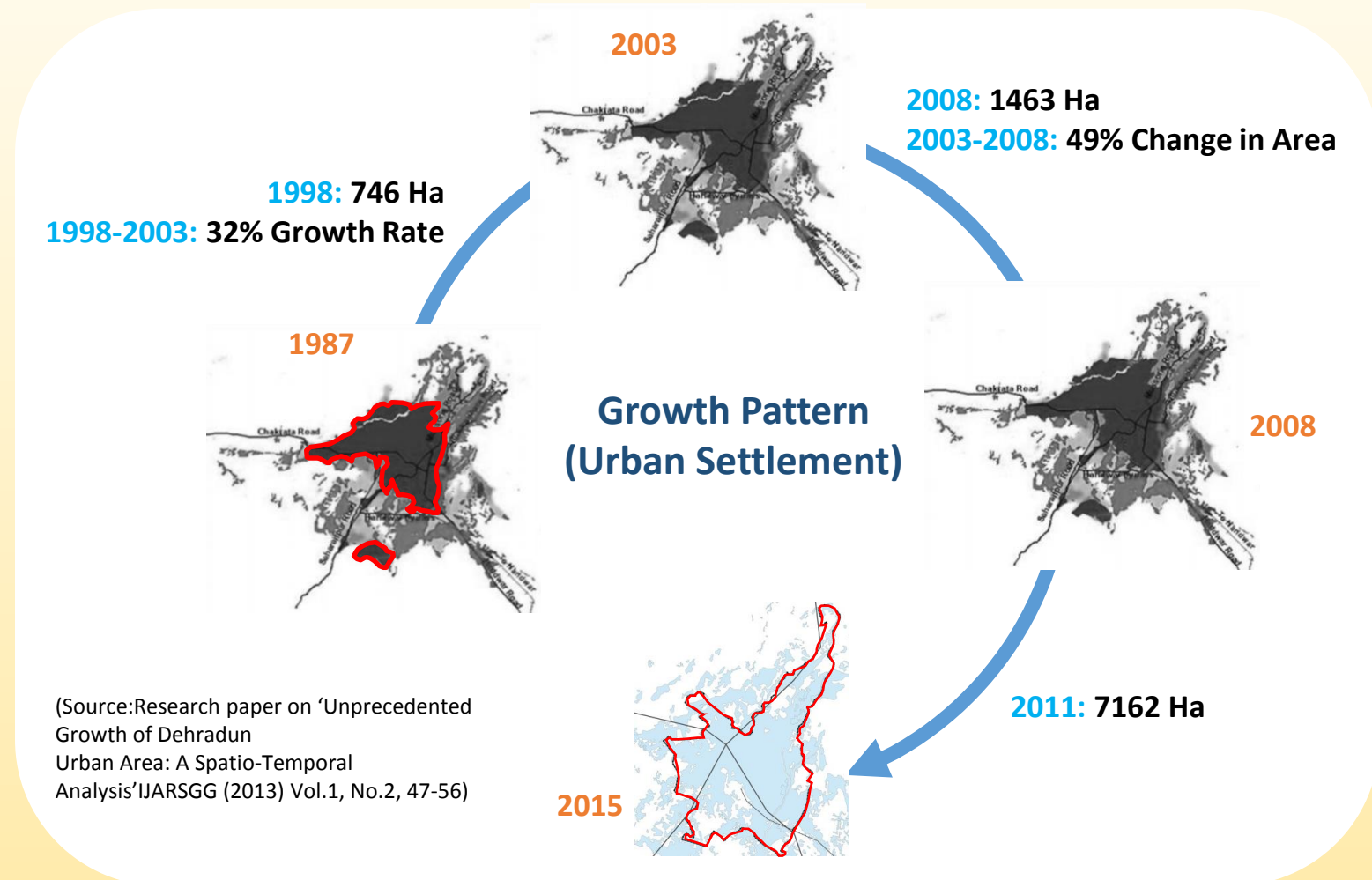


Planning Area Boundary

Municipal Area Boundary

- Planning Area Boundary
- Municipal Boundary
- National Highway
- State Highway
- Major City Road
- Railway Line

Source: Dehradun Master Plan 2021



MOBILITY

#AVG. SPEED
20-30 Km./Hr.

#Buses
319

#Vikrams
794

Exact Road Length: 438 Kms.

TOTAL POPULATION:
569,578

CITY POPULATION PARAMETERS

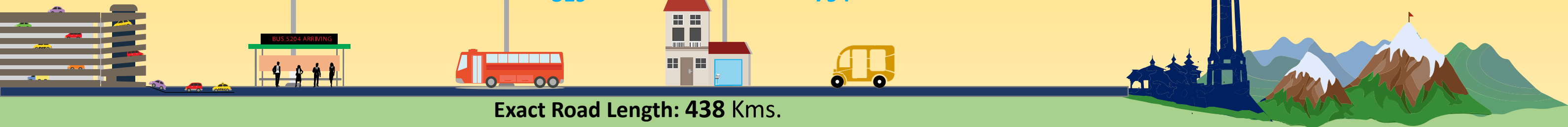
SLUMS **27%** of the total households of the Dehradun Municipal Area

MALES & FEMALES
296,638 (52%)
270,940 (48%)

POPULATION DENSITY
80 PPH

SEX RATIO
908

(Source: Census 2011)





3.2 Dehradun citizen's centric for smart city proposal



86%

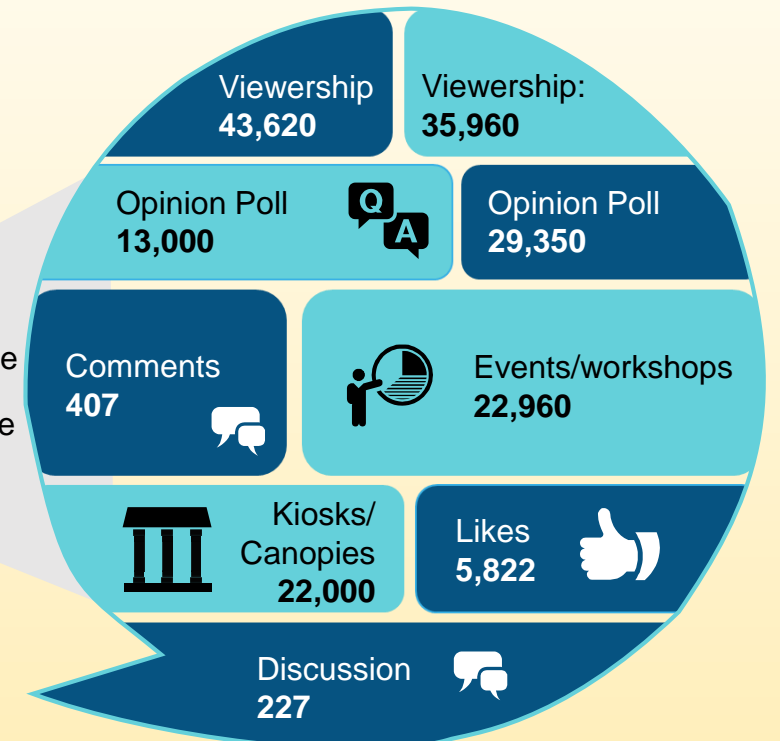
Reached through all mediums



11%

Citizen's Participated

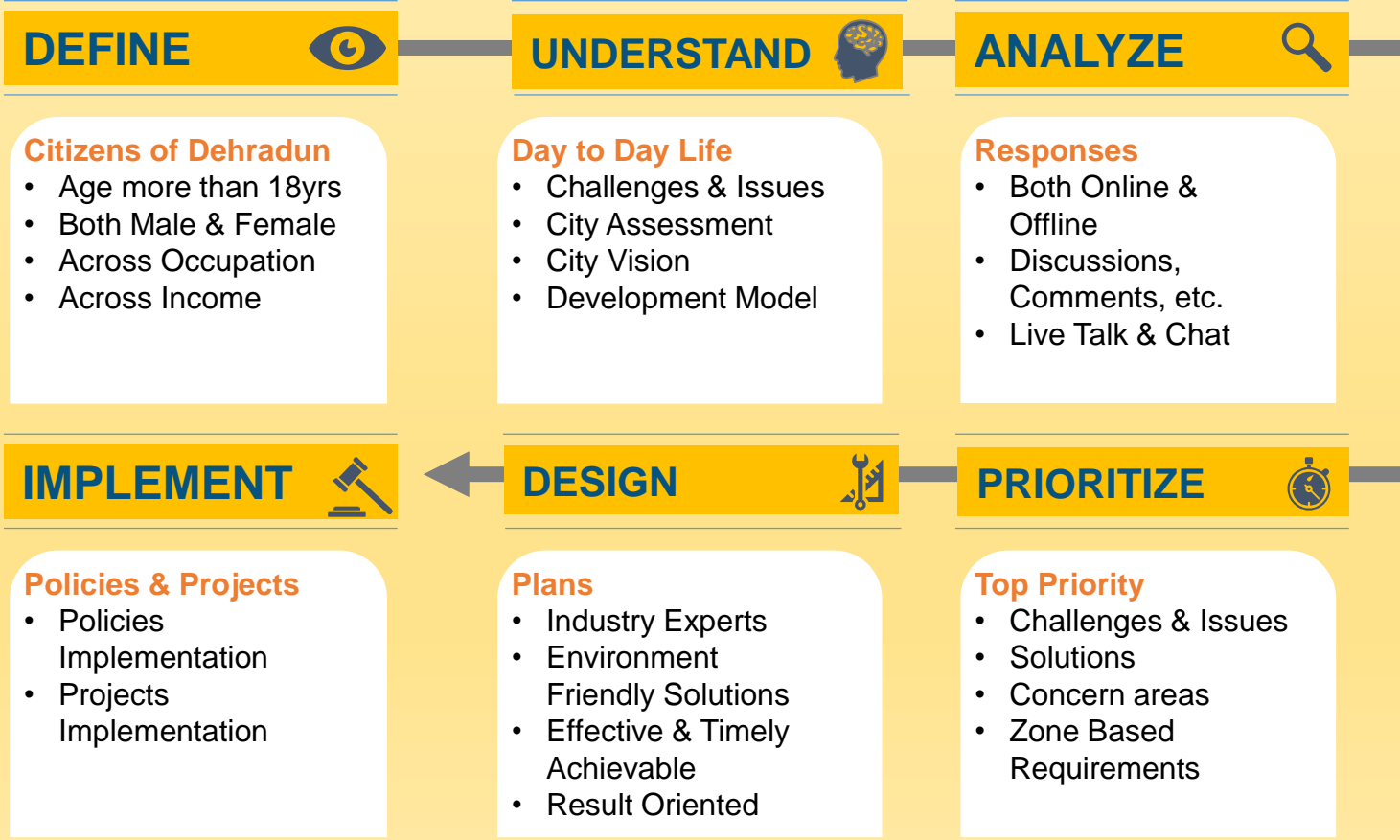
Offline
Online



Academic Advisory Council



PROGRESS THROUGH PARTNERS





City profile

- Strategic Location
- Gateway to Tourist Destinations
- City of Schools
- Natural Heritage
- door-to-door waste collection
- Online grievance
- National Importance

organisations

SWOT Analysis

- Literacy rate
- Colonial age heritage structures
- Less than expected level of urban utilities
- High Population Density
- Inefficient Transport & Parking
- Dilapidated Heritage structures
- Lack of employment opportunities
- Depleting green cover

Swachh Bharat Mission (Rank 61)

- Infotainment hub
- Crime rate
- Migration

Citizen Engagement

- Economy & Employment
- Transportation & Mobility
- Sanitation: cleanliness, sewage disposition
- Healthcare
- Waste Management
- Unemployment
- Crowded roads
- Walkability



3 GOOD HEALTH AND WELL-BEING
SDG 3 : Good health and well being

4 QUALITY EDUCATION
SDG 4 : Quality Education

6 CLEAN WATER AND SANITATION
SDG 6 : Clean Water and Sanitation

7 AFFORDABLE AND CLEAN ENERGY
SDG 7: Affordabile and clean energy

8 DECENT WORK AND ECONOMIC GROWTH
SDG 8 : Decent work and economic growth

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
SDG 9 : Industry, Innovation and Infrastrucure

11 SUSTAINABLE CITIES AND COMMUNITIES
SDG 11 : Sustainable cities and communities.


13 CLIMATE ACTION
SDG 13 : Climate Action

15 LIFE ON LAND
SDG 15 : Life on land:

Economic Growth Linking with SDG 4, 8, 11



Urban Rejuvenation Linking with SDG 6, 7, 9, 11



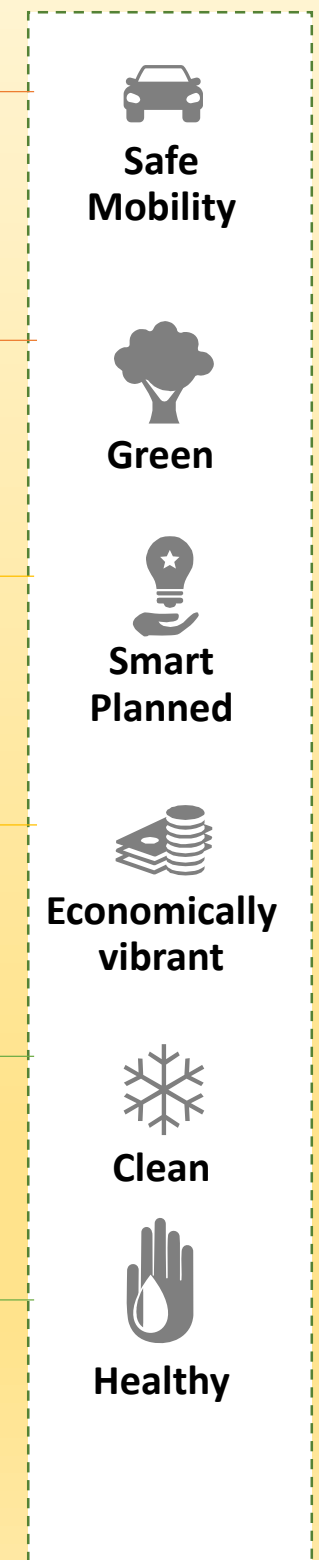
Social Development Linking with SDG 3, 4, 6, 11



Sustainable Environment Linking with SDG 3, 6, 7, 11, 13



eGovernance
Engaged Citizens



Safe Mobility

Green

Smart Planned

Economically vibrant

Clean

Healthy

Goal 1: Congestion free City

Goal2: Slum free city by 2022

Goal 3 : Green City by 2030

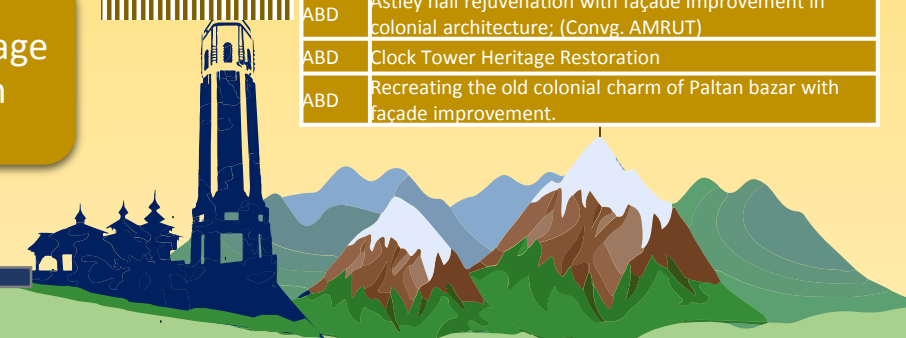
Goal 4: Smart, Planned Sustainable City

Goal 5: An Innovation and Business Hub

Goal 6: Clean and Healthy City

Goal 7: Heritage restoration

ABD	Rejuvenation of city core at Tehsil
ABD	Core area Rejuvenation at DAV & DBS College Area
ABD	Integrated Traffic & Transport mgmt.
ABD	200 e-rikshaws (Conv. FAME)
ABD	Junction improvement
ABD	Public Transport with 30 Electric Buses, Interactive Bus-Stops, WiFi and touch-screen kiosks; (Conv. FAME)
ABD	Parking provisions (Tehasil, Clock Tower, Astley hall)
ABD	Routes rationalization of Public Transport Modes (Policy)
ABD	Smart Model Road
CONV	Housing for All (Conv. PMAY, MDDA)
ABD	5,000 Trees plantation (Conv. AMRUT)
ABD	Gandhi park redevelopment (Conv. AMRUT)
ABD	Solar Rooftop of government buildings;
POLICY	Rainwater harvesting For buildings (policy)
ABD	100 KM Storm water drains (Conv. AMRUT)
ABD	Sewerage Line Project
ABD	Smart Water Meters & SCADA (Conv. AMRUT)
ABD	Green Building - Nagar Nigam Building;
ABD	Underground utility ducting (35 Km);
PAN	Citizen Outreach Program
PAN	Command Control Center
PAN	Mobile App
PAN	Poles
PAN	City Fiber
PAN	Network of Education institutes through citizen outreach program
POLICY	Policy for Sector specific Industries
ABD	Core area rejuvenation at Tehsil
ABD	Model Kids Theme City
ABD	Redevelopment of co-operative office;
CONV	Technology infused training platform in collaboration with Ministry of HRD program of Project Swaayam
CONV	PMMAAY, PJJY, PMJDY, Accceible India Campaign
CONV	Startup India, Make in India, Digital India Convergence.
ABD	26 bio digester Toilets (Conv. AMRUT)
ABD	SWM - underground smart bins (Conv. DMC)
PAN	Smart Healthcare : Smart Ambulance
ABD	Solar Powered Water ATM (Conv. AMRUT)
ABD	Pedestrianisation of Paltan Bazar (Conv. AMRUT)
ABD	Astley hall rejuvenation with façade improvement in colonial architecture; (Conv. AMRUT)
ABD	Clock Tower Heritage Restoration
ABD	Recreating the old colonial charm of Paltan bazar with façade improvement.

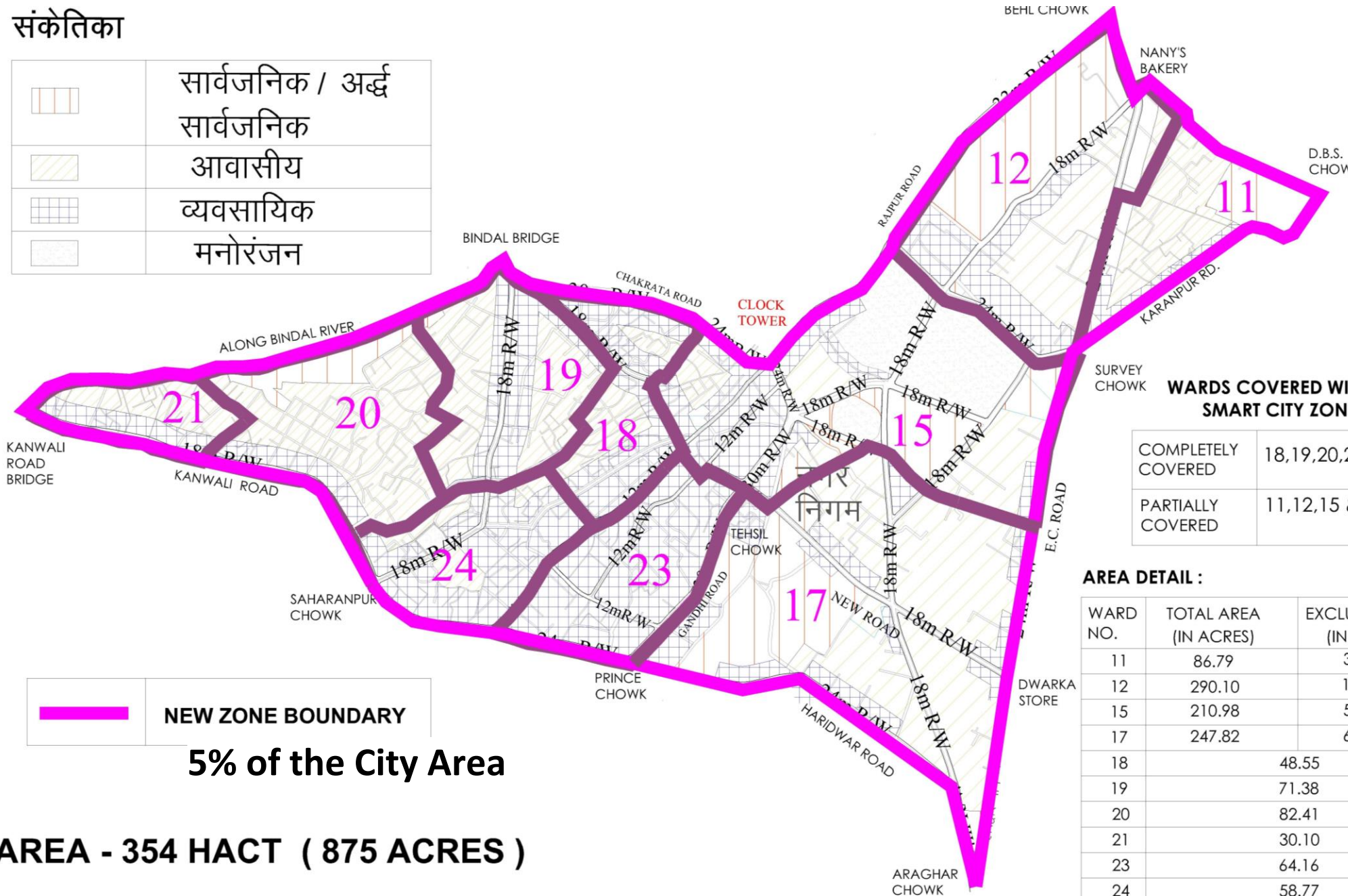


Rationale

Covering the major mix type of important uses like residential, commercial, institutional, green. Diversity in projects covering maximum smart city features. Targeting diverse group and mass level project impact as it is Heart of the city having the footfall of city level.

संकेतिका

	सार्वजनिक / अर्द्ध सार्वजनिक
	आवासीय
	व्यवसायिक
	मनोरंजन



WARDS COVERED WITHIN SMART CITY ZONE

COMPLETELY COVERED	18,19,20,21,23&24
PARTIALLY COVERED	11,12,15 & 17

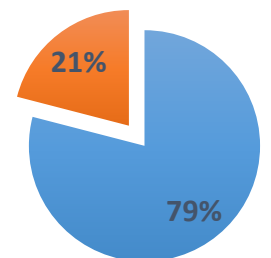
AREA DETAIL :

WARD NO.	TOTAL AREA (IN ACRES)	EXCLUDED AREA (IN ACRES)
11	86.79	32.80
12	290.10	168.43
15	210.98	54.46
17	247.82	60.38
18		48.55
19		71.38
20		82.41
21		30.10
23		64.16
24		58.77

 **NEW ZONE BOUNDARY**

5% of the City Area

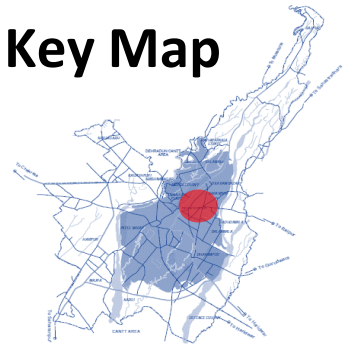
AREA - 354 HACT (875 ACRES)



■ Included Area ■ Excluded Area

Wards Covered within ABD Area
Completely Covered: 18,19,20,21,23,24
Partially Covered: 11,12,15,17

Key Map



ROAD LENGTH



35 Km. Approx (Major Roads)

RESIDENTIAL



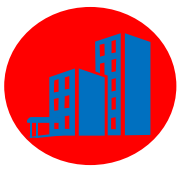
1.3 Sqkm/36.7% approx

GREEN

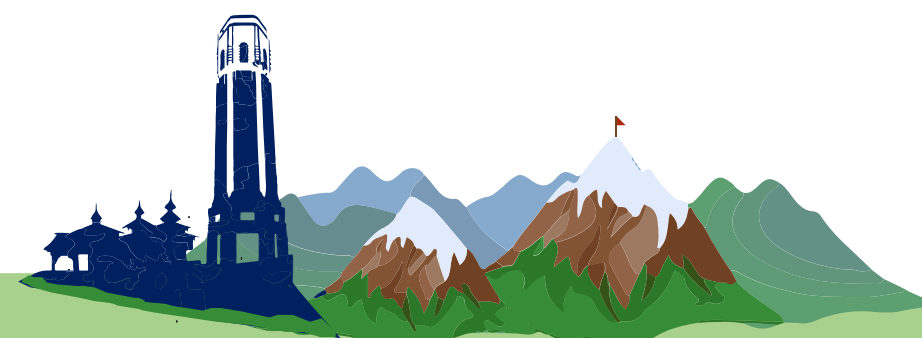


0.18 Sq. Kms. /5% Approx/

COMMERCIAL & PSP



1.02(28%) & 0.57(16%) Sq. Kms.& approx



3.5 Projects Interventions and Features Mapping of ABD



Mixed Use

Market pedestrianisation, rejuvenation, junction rejuvenation



Citizen Participation, Identity & Culture

Citizen outreach program, City Signages, Clock tower heritage junction rejuvenation



Health & Air Quality

Park Rejuvenation



Water

Solar based water ATMs, Convergence with AMRUT for 24x7 water supply and water metering



Safety

iPoles with CCTV surveillance camera, City signages project for street safety, Dehradun one app (incorporating women safety features), Junction Rejuvenation, Convergence with state disaster management centre for risk mitigation



Intelligent Government Services

DehradunOne App covering several components, eServices to Citizens, Expansion of MDDA ERP for DMC, Ward Level Dashboard, Intelligent Poles covering several components, Public WiFi, Zero Call Drop, Environmental Sensors, City Roads Flood Monitoring, Mosquito Surveillance System, Parking Violation Management, CCTV at vulnerable location, Intelligent Traffic Management, EV Charging Points



Economy & Employment

Transformation of paltan bazaar & historical jhanda bazaar through pedestrianization, Modernization of regional employment exchange in convergence with National Career Services Plan



Waste Management & Sanitation

Solid Waste Management based upon Plasma Gasification Technology, Underground Garbage Bins across the selected area, Garbage Collection & Transportation AB8- 50 Toilets on a PPP model



Education

Swayam moocs digital school, One Smart Kendriya Vidyalaya School



IT Connectivity

iPoles with free wifi connectivity, City wide fiber backhaul



Waste Water Management

State of ART government buildings (with RWH and other facilities), Implementation of government orders on rain water harvesting



Transportation, Mobility and Walkability

50 Electric Buses, Public Bike Sharing Project, Pedestrian Market Area, Cycle Tracks across 4 Roads



Compactness & Open Spaces

Cycle Tracks across 4 Roads, Park Rejuvenation – 4 Parks (locations)



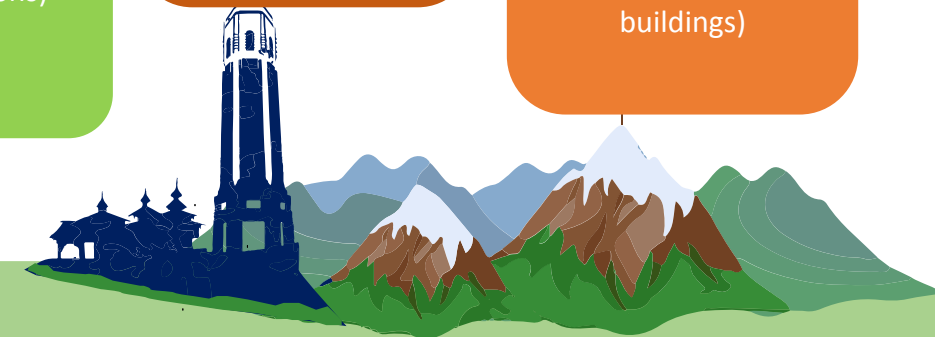
Housing & Inclusiveness

Convergence with MDDA affordable housing schemes, Convergence with housing for all to prioritize houses to 2000 slum dwellers in selected area



Energy Efficiency, Supply & Source

Electric Buses, iPoles covering LED lights, Solar Water ATMs, State of art energy efficiency (green buildings, solar rooftops on govt buildings)

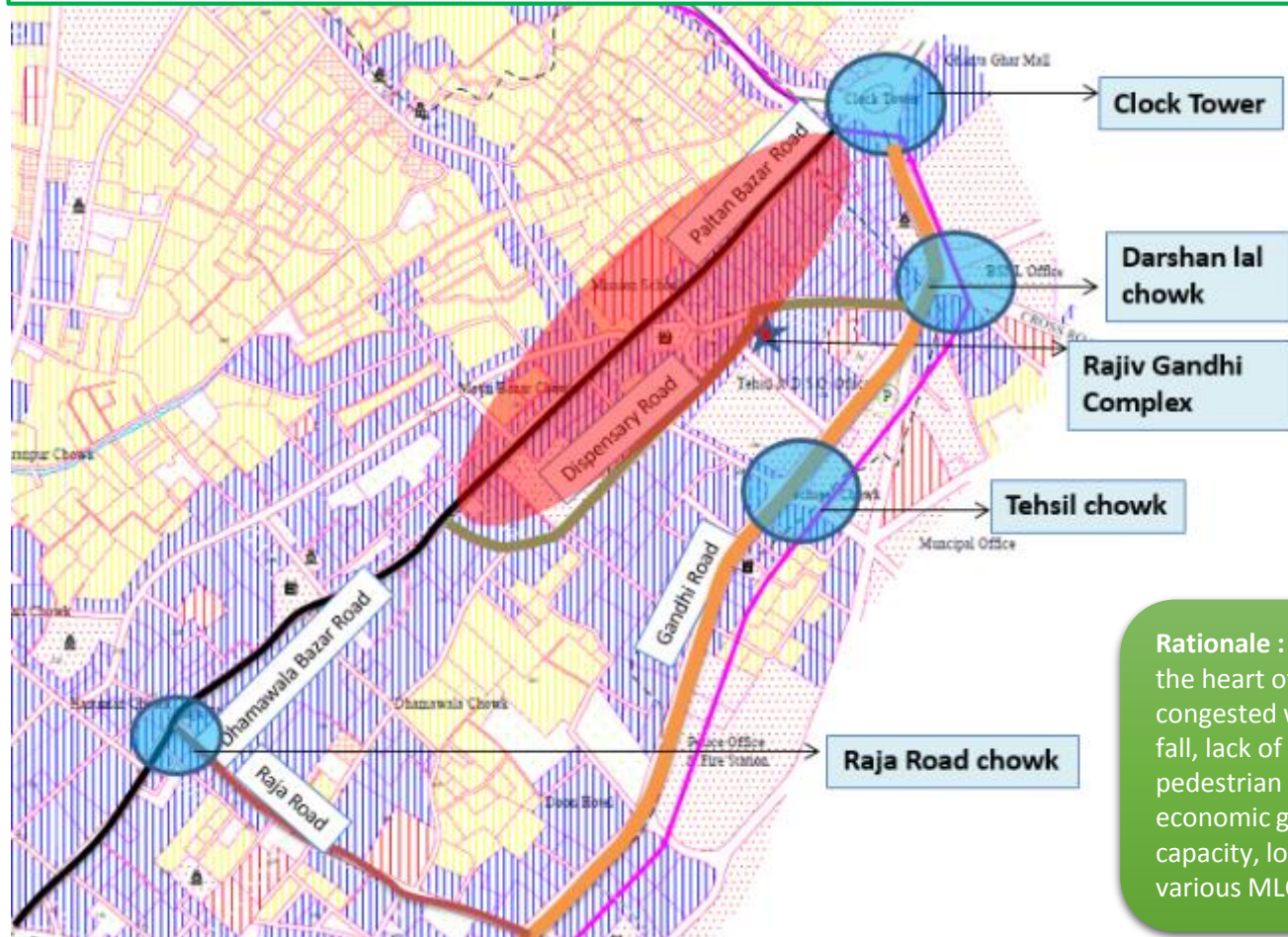


Rationale

Paltan bazar is in the heart of city, has high foot fall, have provision of parking spaces around

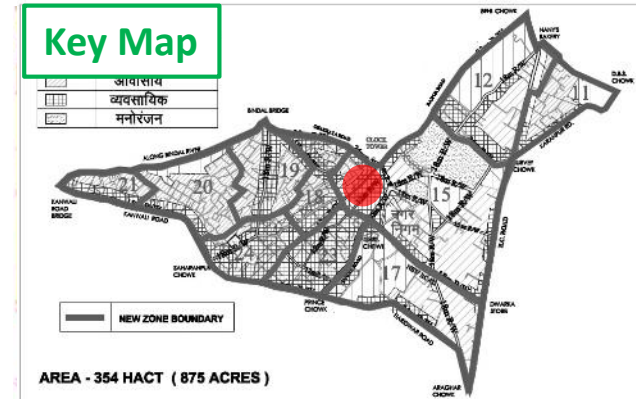
Area Delineated for NMT & Pedestrianisation looping it up with MLCP (Approx 3000 ECS) – Paltan Bazar

KEY MAP WITH EXISTING CONDITION/CHARACTER

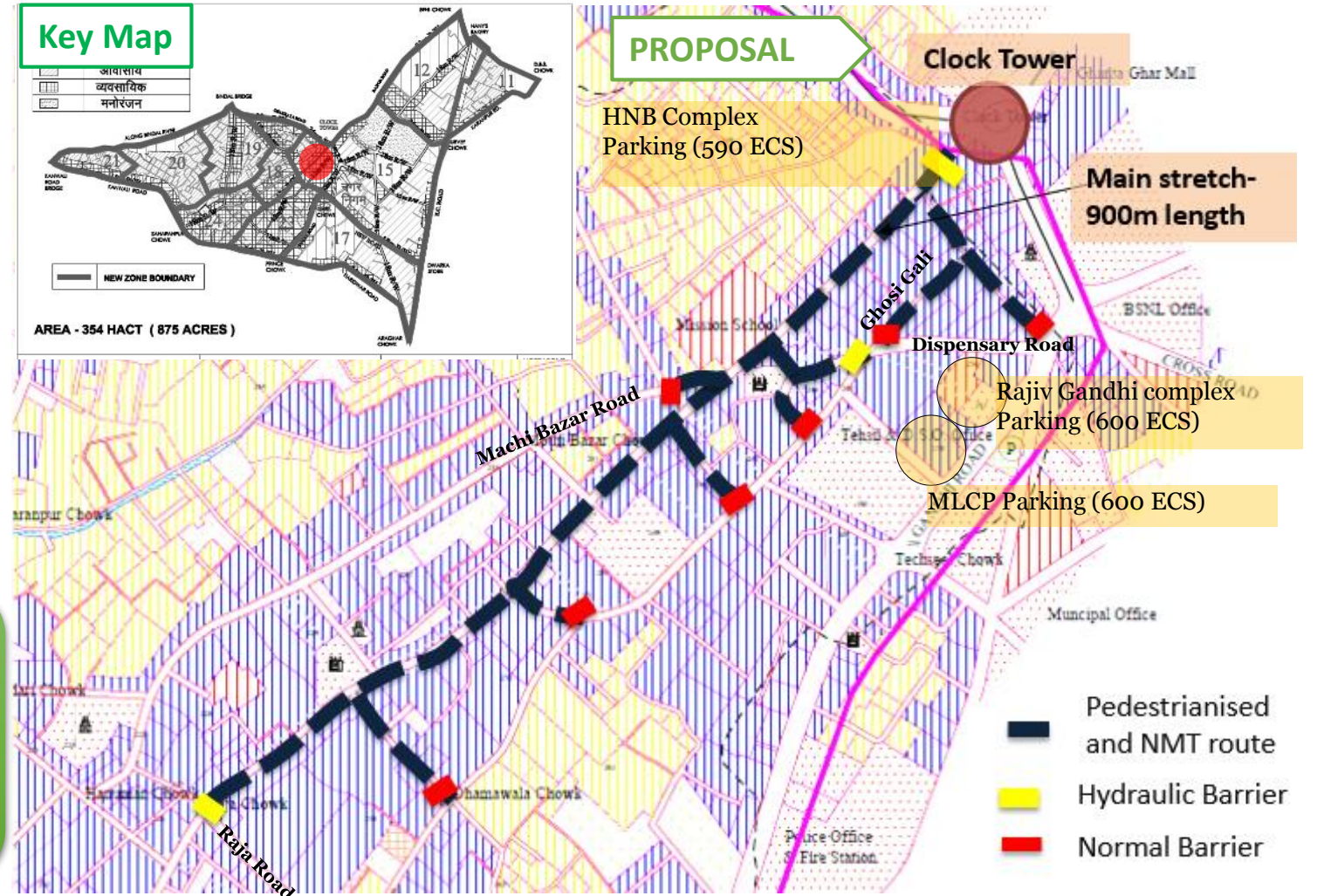


Rationale : Paltan bazar is in the heart of city, very congested with high foot fall, lack of basic facilities for pedestrian movement, high economic generating capacity, looping it up with various MLCPs (3000 ECS).

Key Map



PROPOSAL

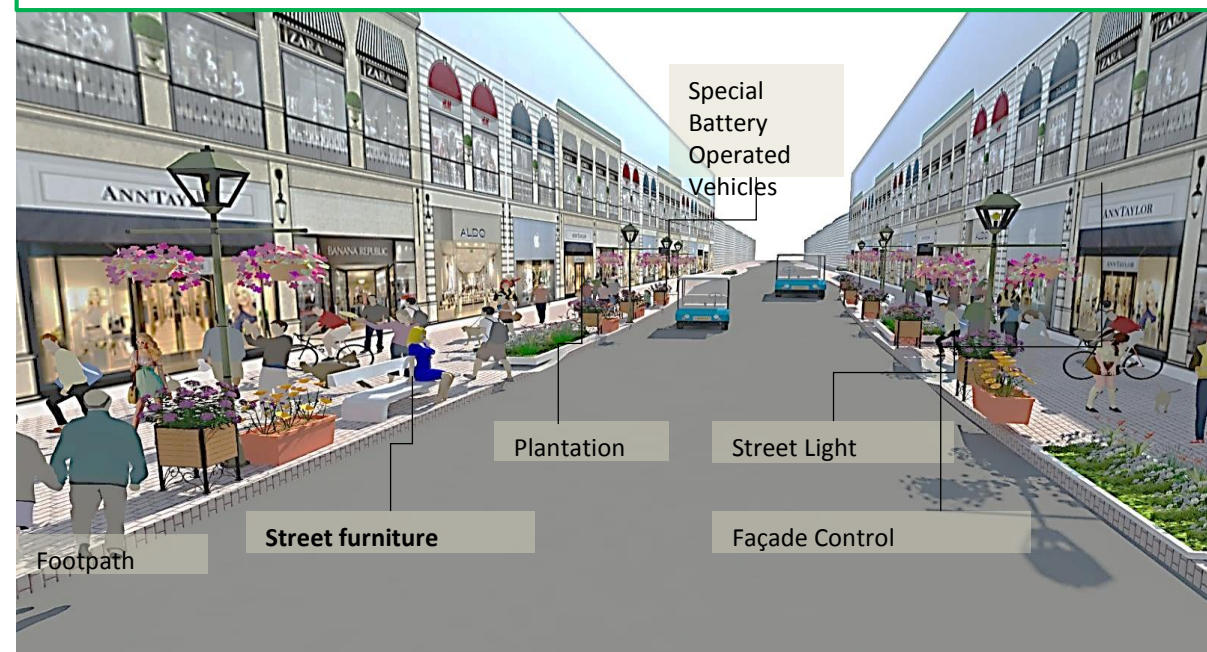


INTERVENTIONS

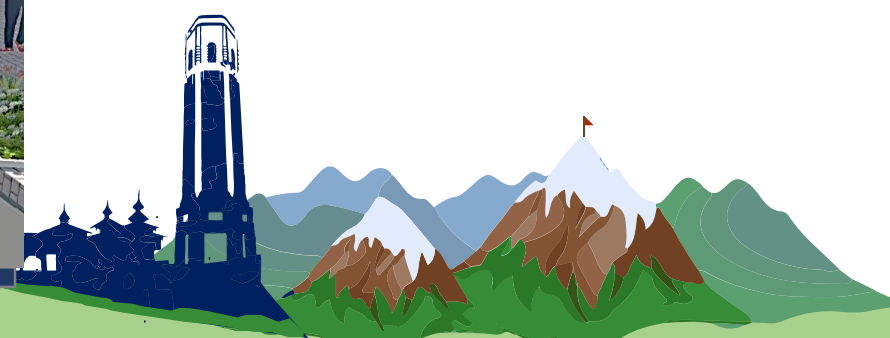
- Unique identity creation in urban form by identical colour, & pattern in Building Façade & Signages.
- Green patches proposed along the siting area.
- LED street lights.
- Permissible time for vehicles for loading & Unloading of goods will be 10 pm to 6 am.
- Hydraulic barriers and normal barriers at located points on map.

In Paltan Bazar, main stretch 900m length will have central 4m carriage way for Battery operated vehicle and both side pedestrian walkways having average width 3m with facilities of siting areas at 50m intervals.

Proposed Road View

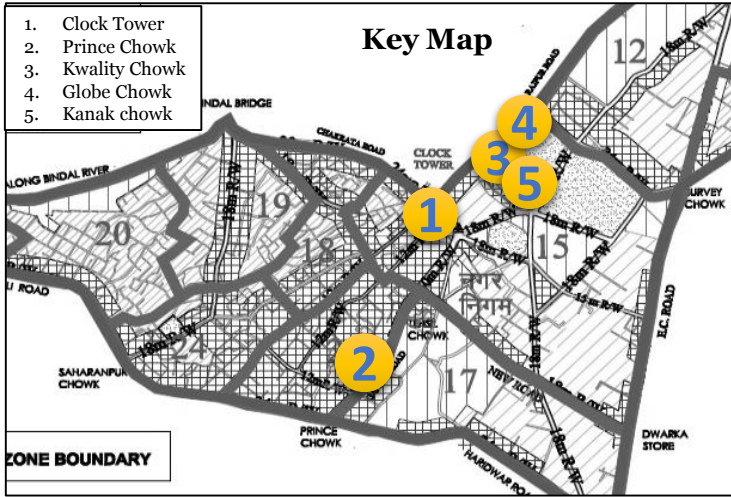


Baseline Improvement: facilitate citizen friendly walk, shop and entertain concept, Will provide conducive environment for shopping, increase economic and employment generation, give sense of safety, reduces pollution level and conserve energy through NMT.



Rationale

Clock Tower – centrally located and used by population from across all the zones of the city, junction of major roads, heritage importance, surrounded by important economic centers. **Prince Chowk** – Connecting major nodes, nearer to



1. Clock Tower

- Correction of Junction geometry and round about
- Provision of subway to facilitate 3 side pedestrian movement
- Provision of 60 shops in the subway to cater street vendors and act as catalyst to pedestrian to use subway
- Beautification of junction by retaining its iconic identity



Universal Accessibility (Physical Handicapped Friendly)



3. Kwaliti Chowk



4. Globe Chowk



5. Kanak Chowk



2. Prince Chowk



Common Interventions

Solar Cat eye

Solar Blinkers

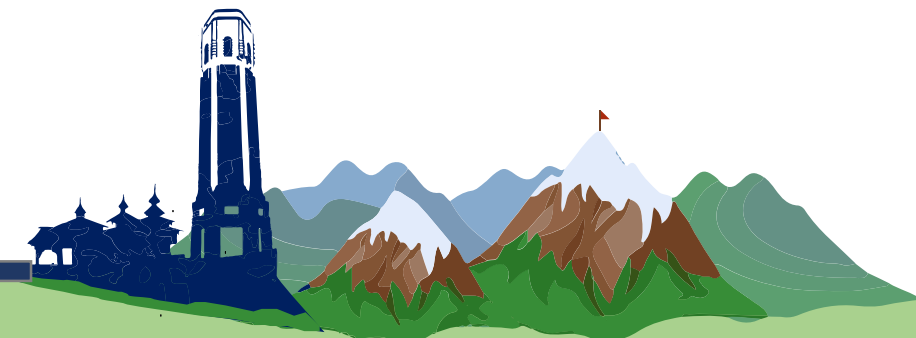
Yellow Box

Solar Delineators

CCTV Camera

Variable Message Signage(VMS) Board

- Central Command Centre at Clock Tower
- Road Safety Signage
- Solar Lights & Solar Traffic Signals
- Underground Ducting
- Speed Gun
- Specific Shrubs for Pedestrians Walkways
- Signages: Origin Destination Signage, Location Signage



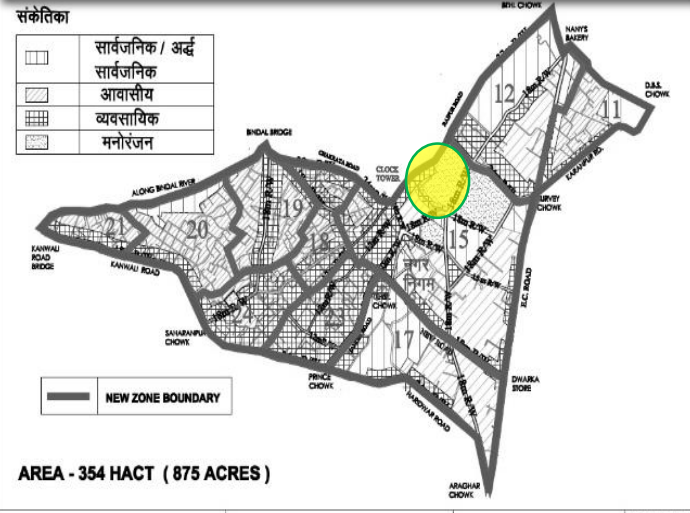
3.8 Open spaces : Gandhi Park



Rationale

Gandhi park is taken due to its central location, bigger area and having options for major interventions.

Key Map



- Located in the central part of city, near Clock tower, Indira market, Pared ground, Nagar Nigam and major important landmarks of the city.
- Lungs for the central zone.
- 12 Acre Area
- Partially developed, Not properly maintained.
- Certain portion of the park has been already taken under AMRUT for development as children theme park.

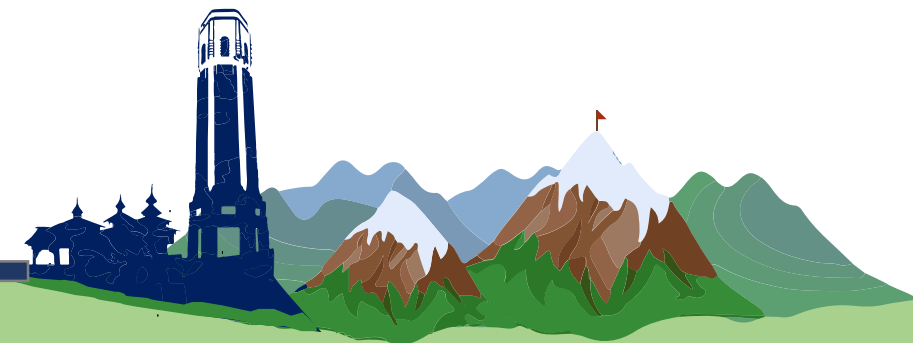
INTERVENTIONS

- Musical Fountain (2330 sq.m.)
- Meditation & Yoga Centre (720 sq.m)
- Kids Play Zone (14,469 sq.m.)
- Flower Bed (3225 sq.m.)
- Public Utilities
- Open Amp theater (750 sq.m.)
- Kiosks / Food Courts (4120 sq.m.)
- Polyhouse (1350 sq.m.)
- Mounds
- Jogging Tracks (1350m) & Cycle Track (470 sq.m.)
- Children's Boating (1935 sq.m.)

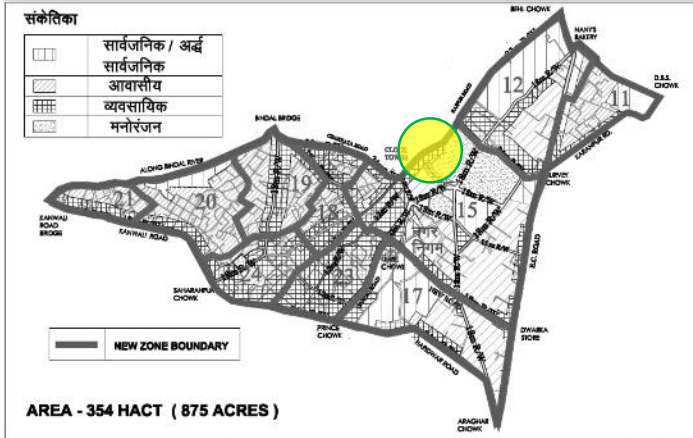


IMPROVEMENT FROM BASELINE

- Impact : It will attract diverse group of people as it has kids zone, facilities for old age people & disabled people, entertainment facilities. Increase green cover, improve health of the citizen, increases social inclusiveness and participation, good impact on environment at city level.



Key Map



EXISTING CONDITION/CHARACTER

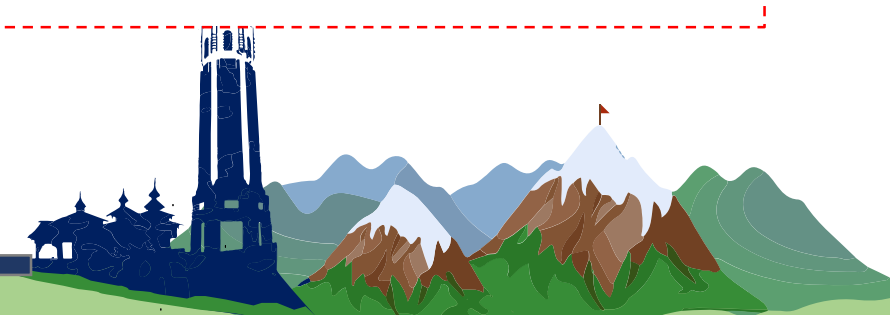
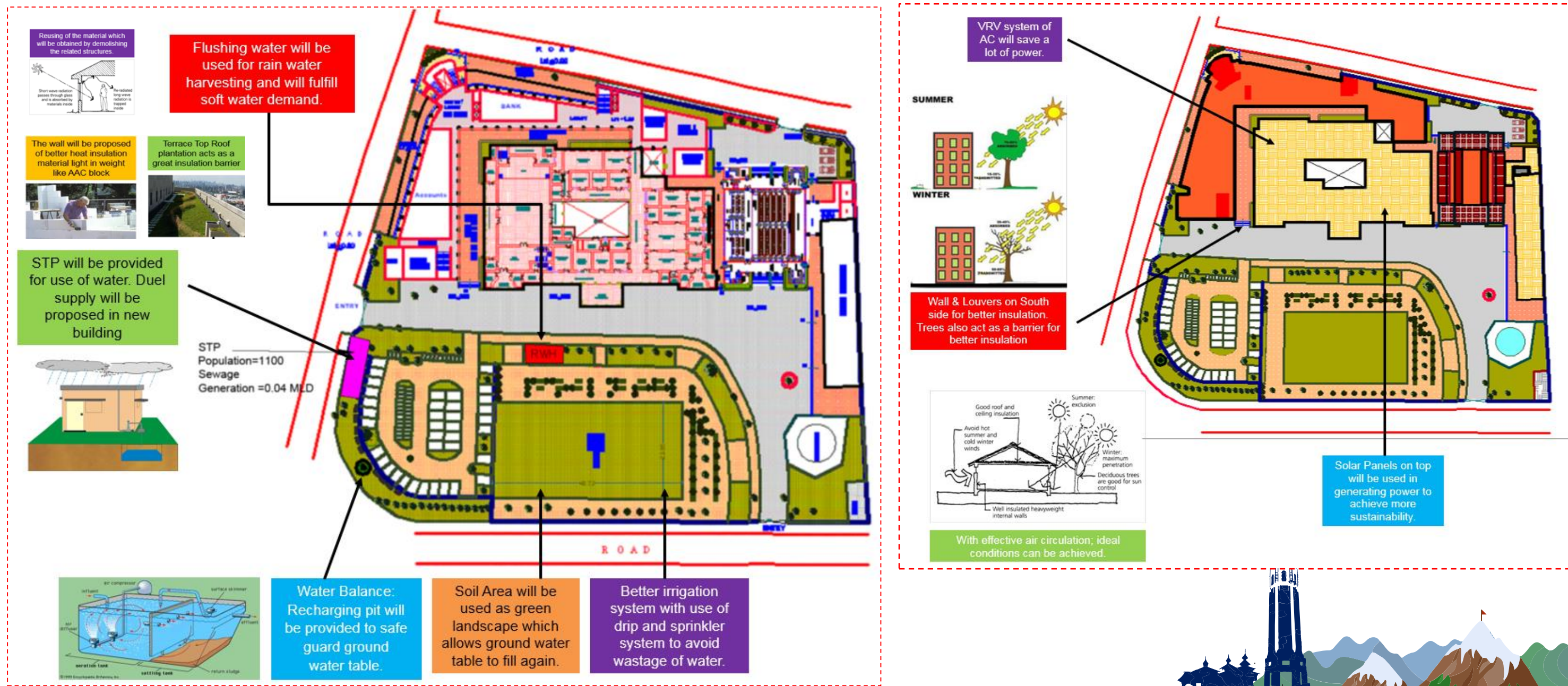
- Nagar nigam building has been taken to be modified as green building.
- The complex has Main Building, Meeting Hall, Tax Building, House & service buildings.
- The Main Existing Building has area of 2537.47 Sqm
- Site area = 12561.37 sqm.
- Covered area
- Main building = 2537.47
- Tax section = 357.43
- Other = 1031.34
- Tank +shop = 236.51



- Open ground = 2873.31
- Parking area = 1592.77
- Roads & open areas = 3932.54

PROPOSAL INTERVENTIONS

- The wall will be proposed of better heat insulation material like AAC block
- Glass will have better UV ratio which reflects heat and allows light to come in.
- Flushing water will be used for rain water harvesting and will fulfill soft water demand.
- STP will be provided for use of water. Dual supply will be proposed in new building
- Water Balance :-Recharging pit will be provided to safe guard ground water table.
- Soil Area will be used as green landscape which allows ground water table to fill again.
- Heat insulation materials used for better insulation of roof surface so as to reduce AC load.
- Reusing of the material which will be obtained by demolishing the related structures.
- Better irrigation system with use of drip and sprinklar system to avoid wastage of water.
- VRV system of AC will save a lot of power.
- Wall & Louvers on South side for better insulation. Trees also act as a barrier for better insulation
- With effective air circulation ; ideal conditions can be achieved.
- Solar Panels on top will be used in generating power to achieve more sustainability.



Rationale

Potable water is not easily available at reasonable cost to citizens at public places, slum areas, parks, schools etc. Dehradun lacks in presence of public toilets and dustbins especially in markets, near slums and other public places like parks etc. Citizens are finding difficulties due to this and it encourages open defecation and littering.



Located at market area, public places, School of underprivileged students, hospitals and economic weaker zone to ensure easy and economic access to essential utility of water, thus enabling social inclusiveness

Located at market area, public places and economic weaker Zone

Proposed length of Duct is 150 km on major roads/streets

Proposed length of storm water drains is 250 km on major roads/streets

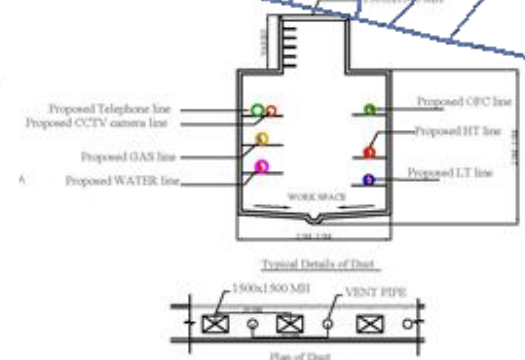
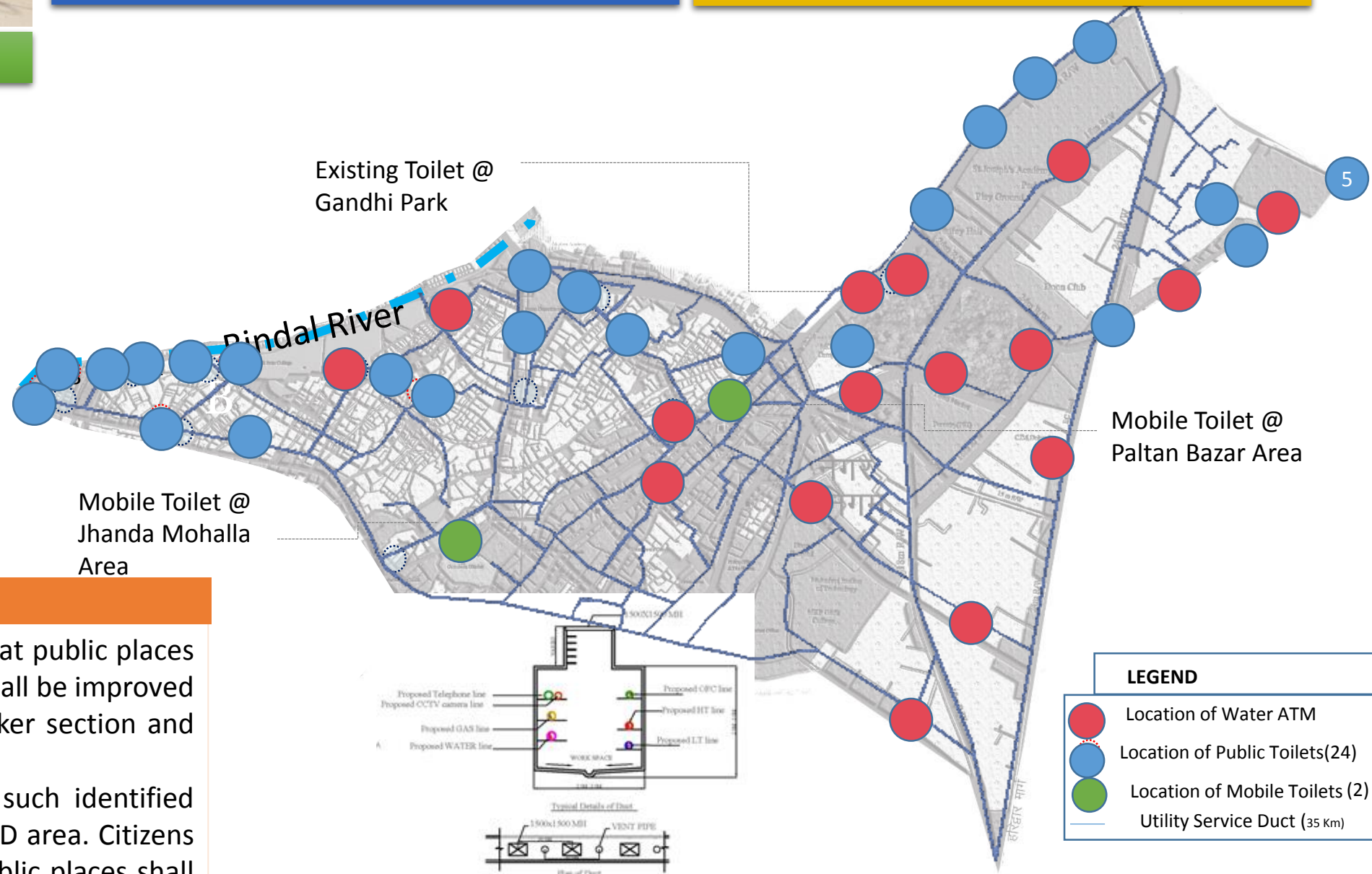
Area Required for Water ATM per unit : 8-10 Sqft



Location of Water ATM Locations: 24

Location of Proposed Public Toilets (26 in no.)

Area Required for Toilet per unit (2 WC, 3 Urinals & 1 Washbasin) : 70-80 Sqft



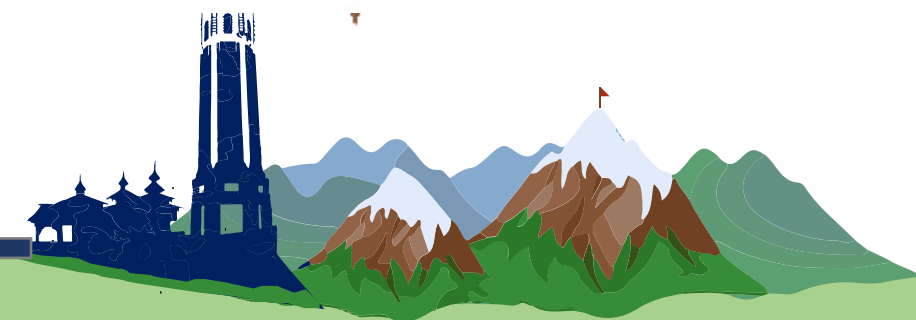
LEGEND	
●	Location of Water ATM
●	Location of Public Toilets(24)
●	Location of Mobile Toilets (2)
—	Utility Service Duct (35 Km)

BASELINE IMPROVEMENTS

Provision of water ATMs will ensure availability of potable water at public places like parks, market, school/colleges and slum area. Public health shall be improved because of availability of safe drinking water. Economically weaker section and students will get safe drinking water at low cost

Provision of public toilets and smart underground bins at all such identified places in our ABD proposal shall improve hygienic scenario of ABD area. Citizens will not be forced to relieve them in open. Market and other public places shall remain clean as a result of this

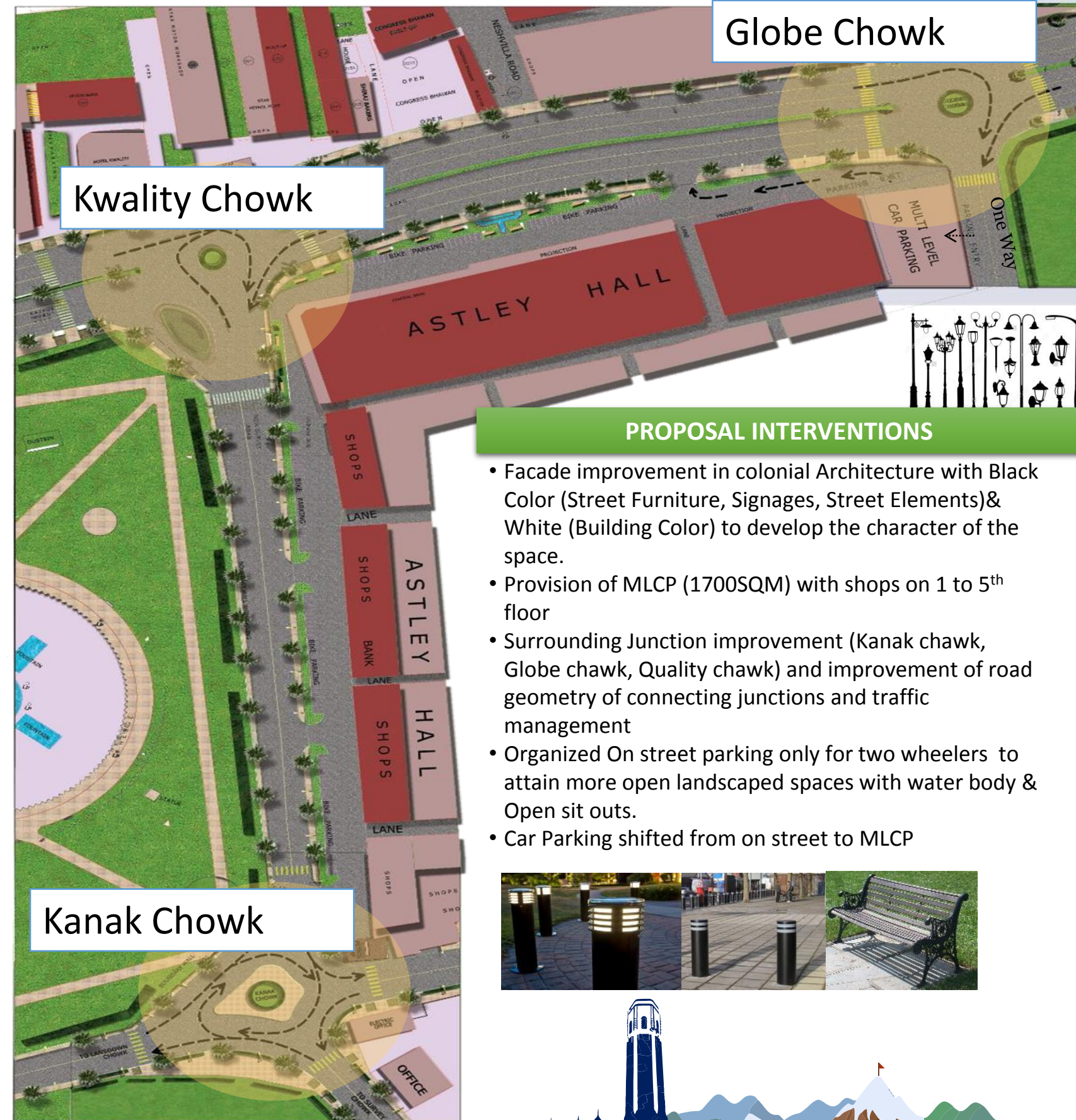
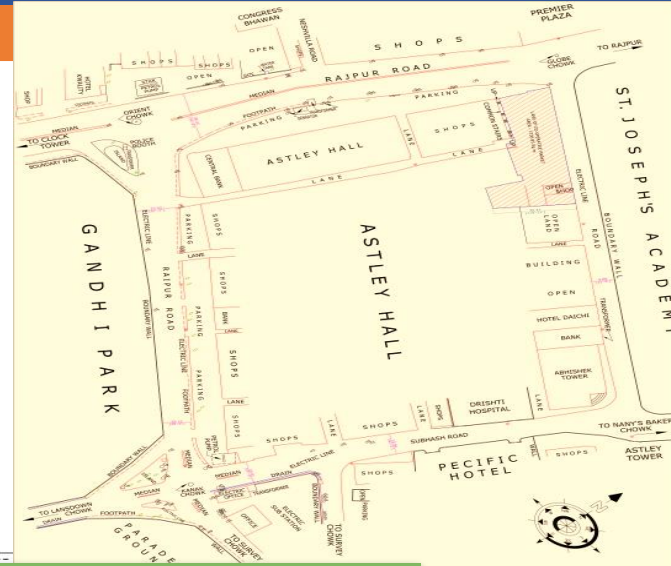
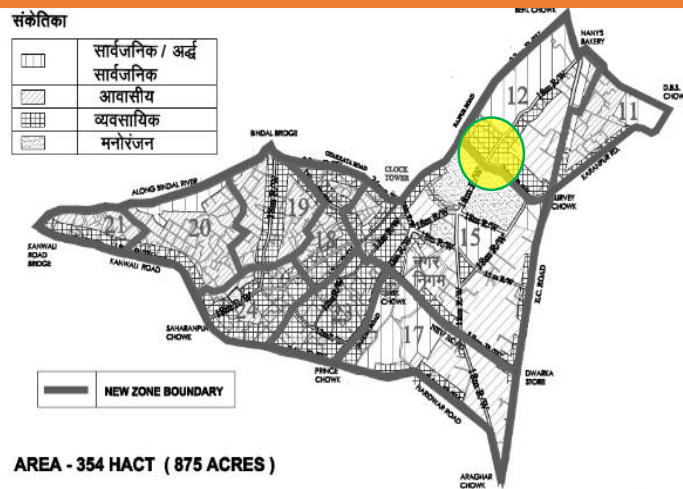
All the Public toilets & Water ATM are proposed at market area, public places and economic weaker Zone



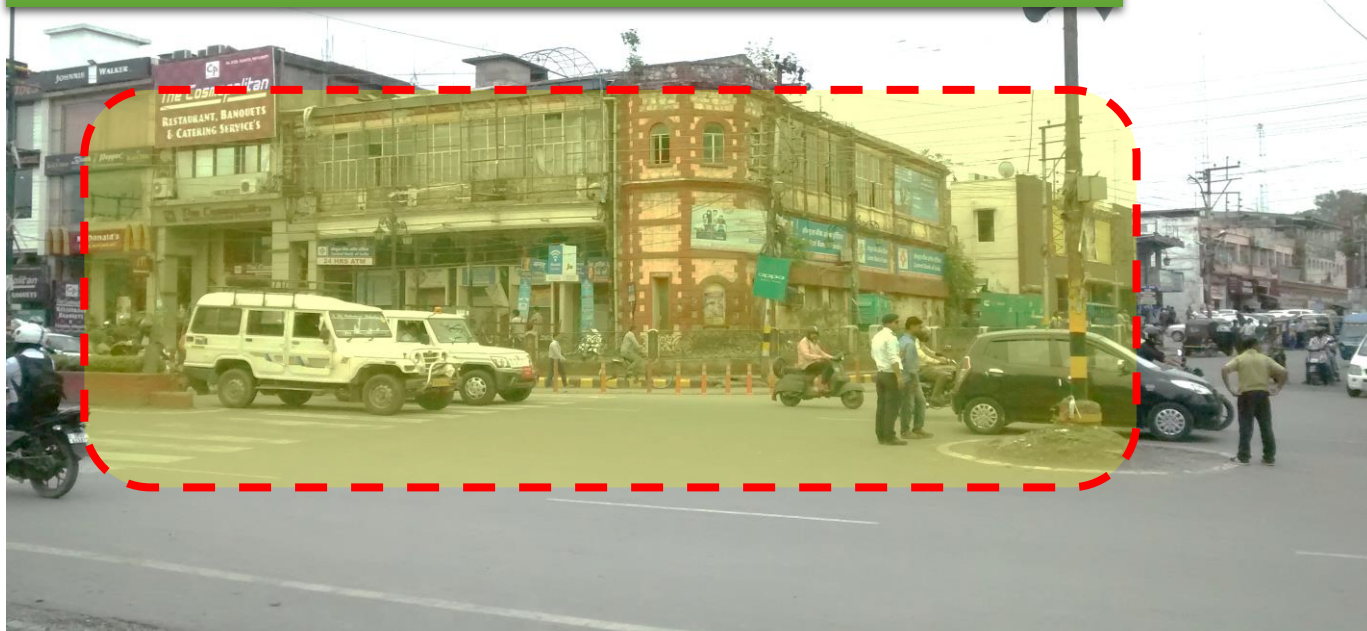
Rationale

Area is important due to Heritage importance of Astley Hall area, mix use development in the complex, surrounded by city important Gandhi park & Pared ground and on the city main road i.e. Rajpur road. But degrading condition of structures, mismanaged traffic situation, lack of parking facilities, not userfriendly pedestrian facilities and lack of green in dense area demanded retrofitting of the area.

Key Map



EXISTING CONDITION/CHARACTER

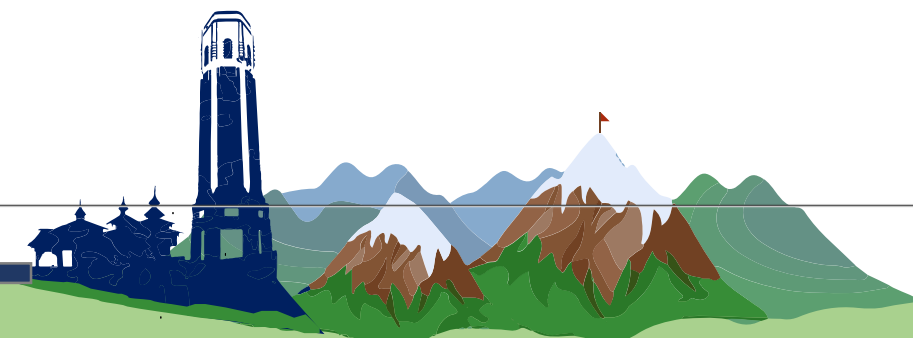


PROPOSAL Condition



PROPOSAL INTERVENTIONS

- Facade improvement in colonial Architecture with Black Color (Street Furniture, Signages, Street Elements)& White (Building Color) to develop the character of the space.
- Provision of MLCP (1700SQM) with shops on 1 to 5th floor
- Surrounding Junction improvement (Kanak chawk, Globe chawk, Quality chawk) and improvement of road geometry of connecting junctions and traffic management
- Organized On street parking only for two wheelers to attain more open landscaped spaces with water body & Open sit outs.
- Car Parking shifted from on street to MLCP

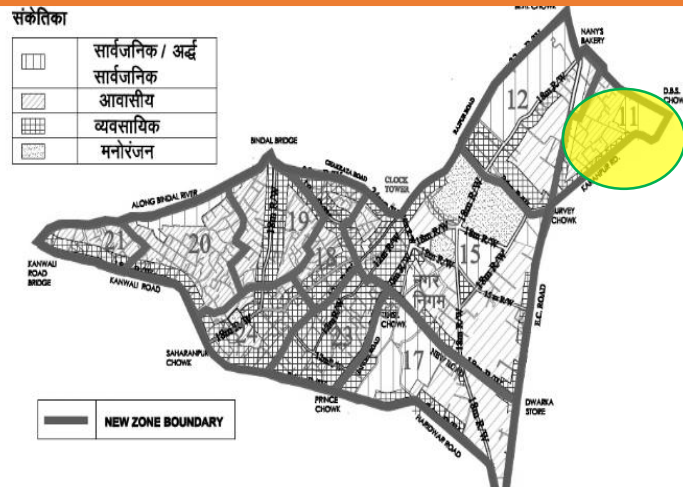


3.12 Rejuvenation of Area around DAV & DBS College

Rationale

DAV & DBS College is in the heart of the city and one of the most important education center of the city. Its approach from survey chawk is through congested market area and faces traffic jam and have no pedestrian facilities, creates chaos in the area.

Key Map

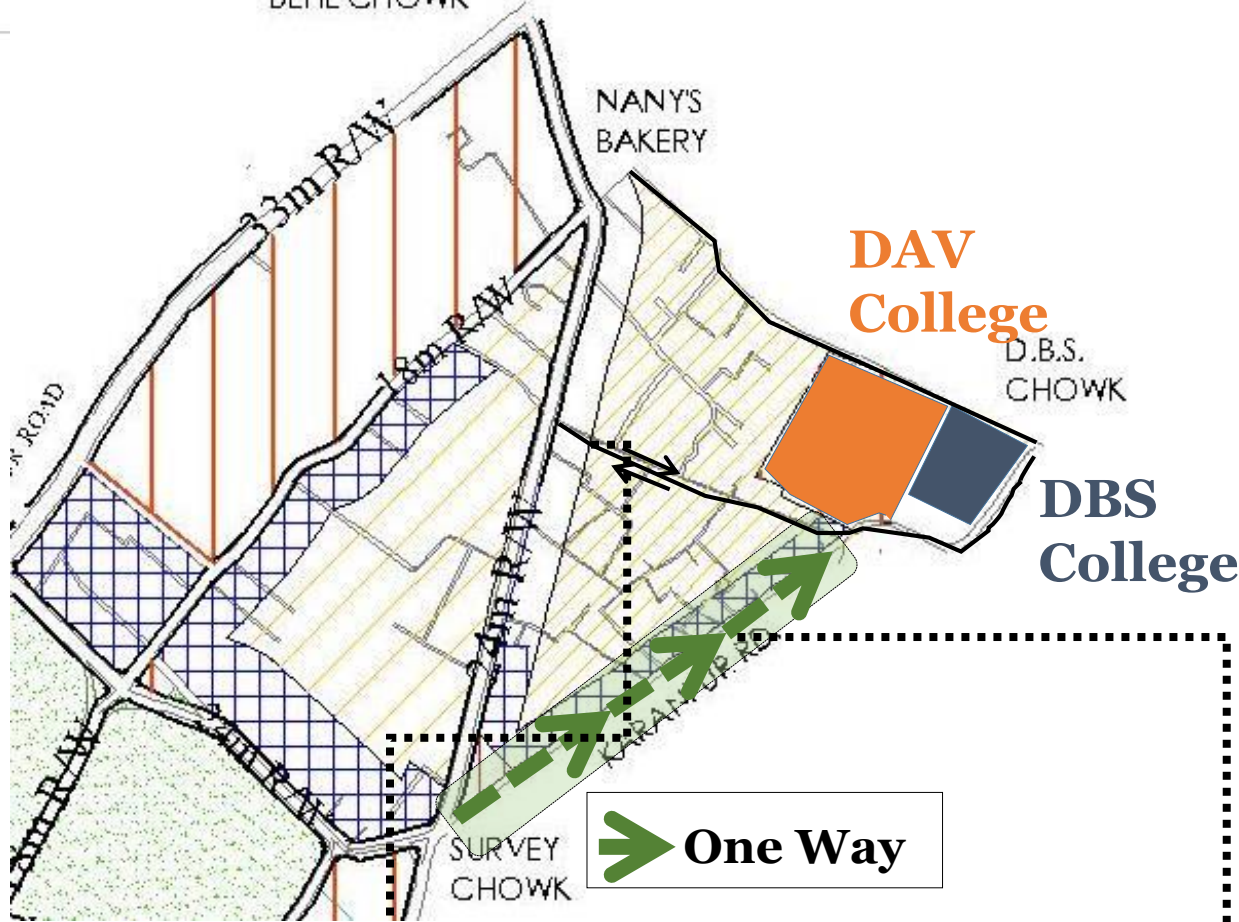
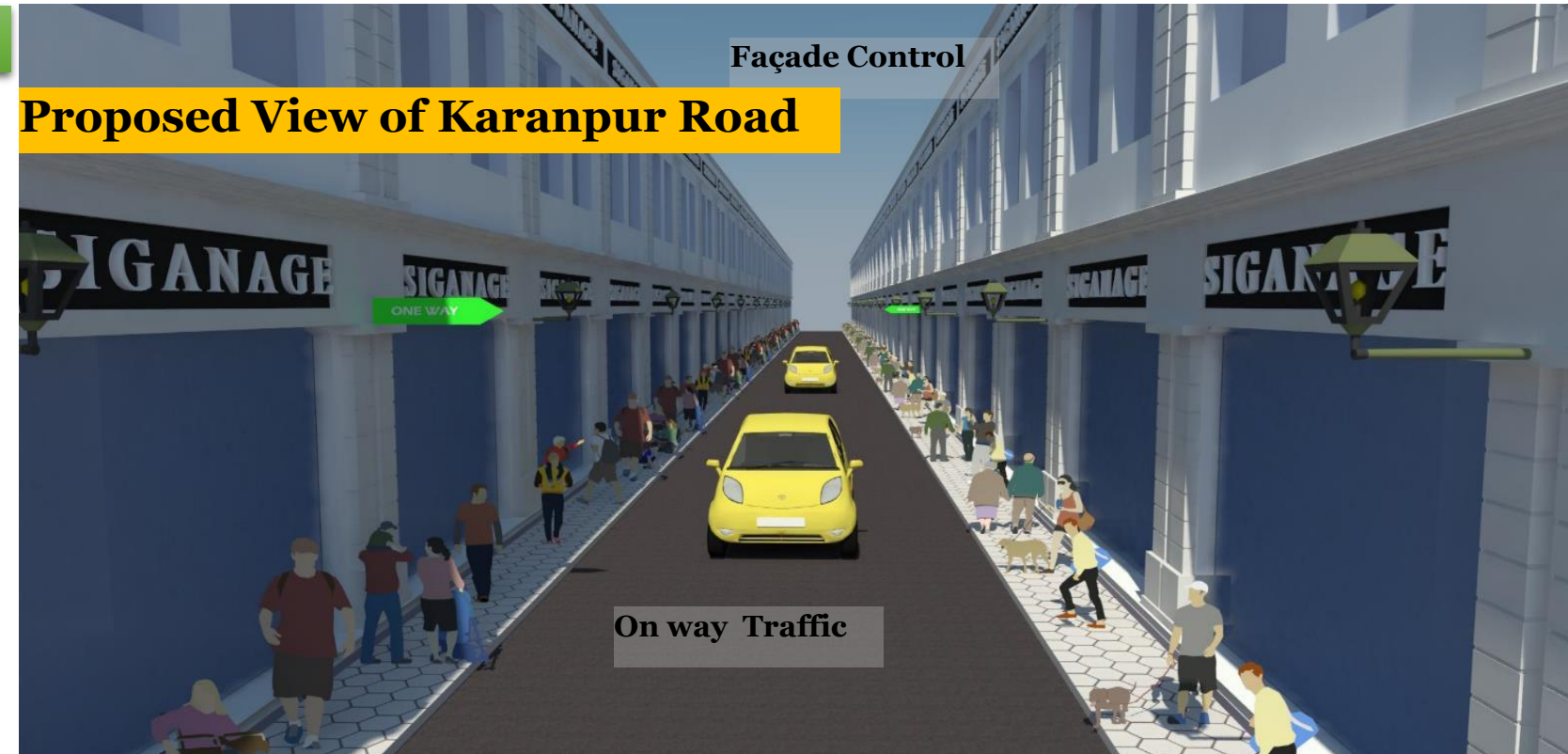


EXISTING CONDITION/CHARACTER

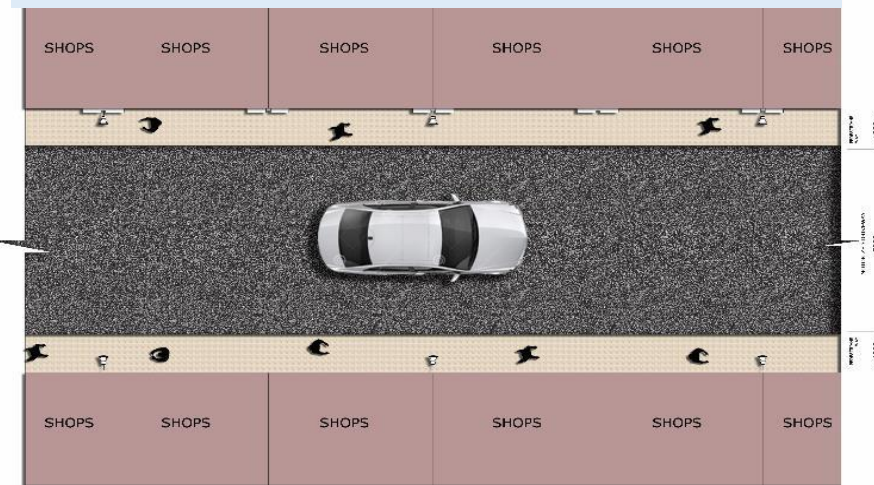
Existing Condition

- Very congested entry through narrow street market
- Irregular Traffic management
- Lack of facilities for pedestrian movement
- No street furniture

Proposed View of Karanpur Road



Proposed Plan of Karanpur Road

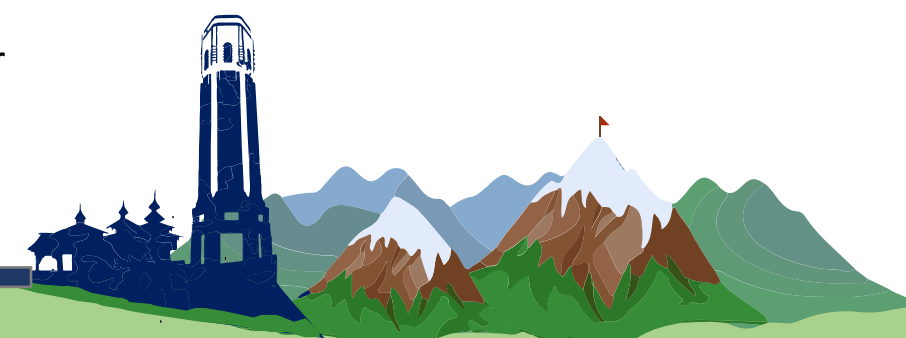


PROPOSAL INTERVENTIONS

- Market area between survey chowk and DAV college – one way and Facade improvement in colonial pattern
- Provision of street furniture and beautification
- 5 M clear carriage way width with 1.2 m footpath on both sides

Baseline improvements

Interventions will decrease traffic congestion, improve aesthetics of the surrounding, decrease pollution, provide conducive environment for students to fulfill the education related needs.

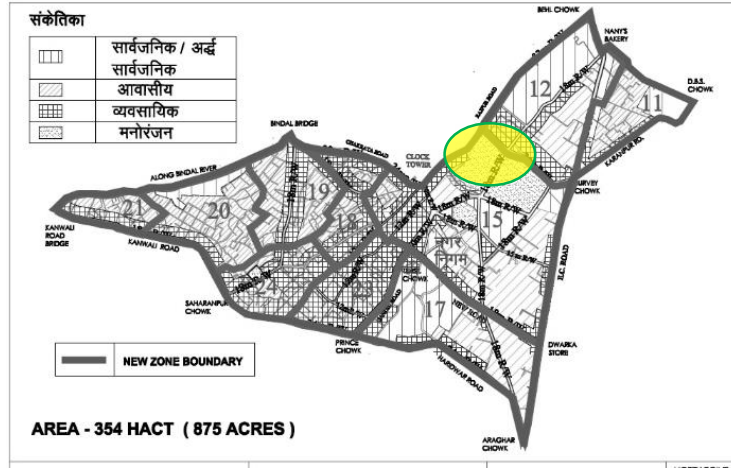


3.13 Model Theme Park for Kids & Tourists

Rationale

Dehradun is famous for its public schools and it's a gateway to uttrakhand tourism, addressing both component project is proposed, where all basic education and knowledge component can be expressed in practical way, in different type of Tullifs. Kids in this theme park will get the best of education as well as entertainment at the same time.

Key Map



Site Context



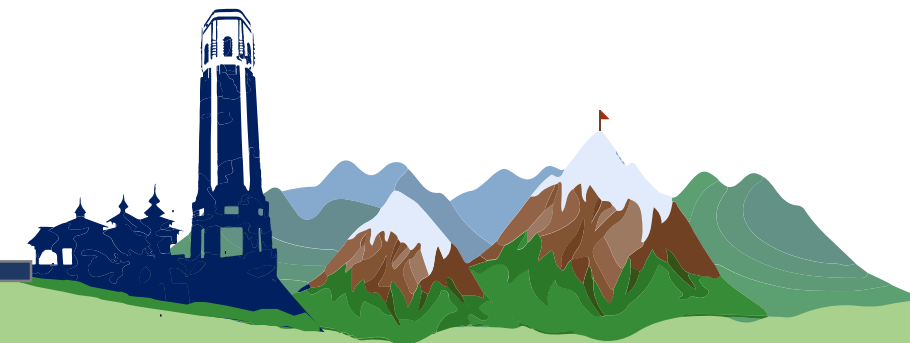
Proposed Intervention

:BRTS Roads, Vehicle area, Fire Station Area, Service Area, Lost & Found Area, First Aid Room, Ticket Area, Theater Area, Restaurant Area, Heritage Gallery, Tourist Info Centre, Town Governance, Police Station & Prison, Court Room, News Room, Bank, IT Centre, Hospital, Ice Cream Factory, Science Lab

Baseline Improvement: Impact on education of kids beyond the zone. It will increase social inclusiveness, identity & culture and citizen participation



Kids Theme City at Clock Tower Complex MDDA (3400 SqM) Area

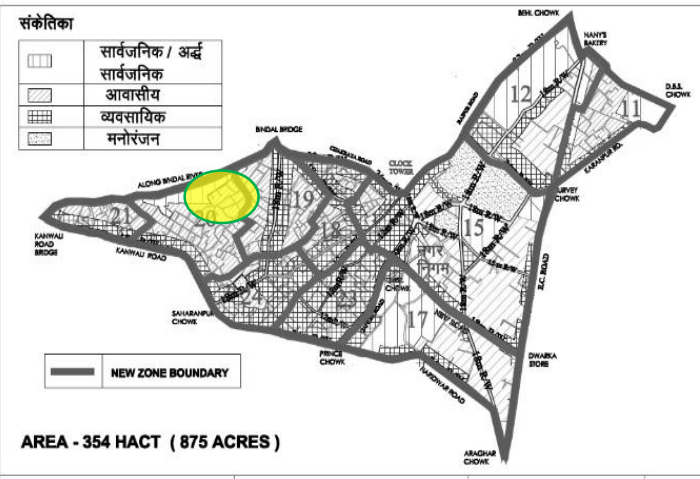


3.14 Core Area Rejuvenation at Tehsil Area

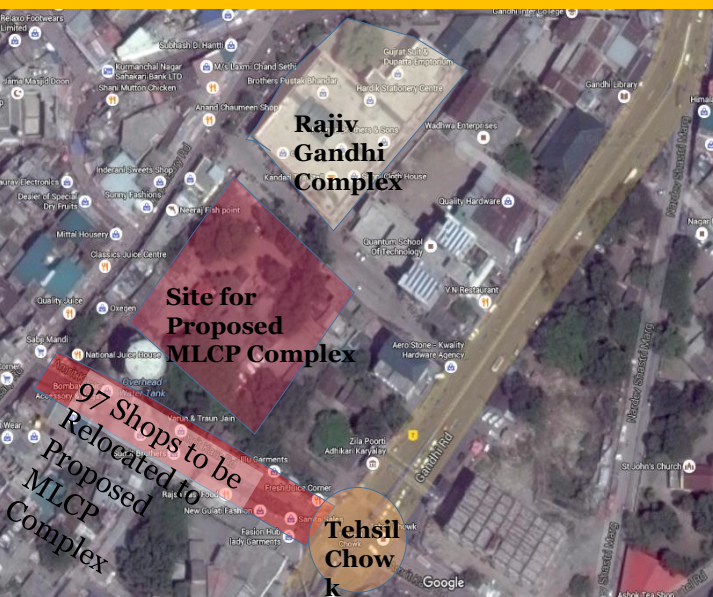
Rationale

Tehsil chawk lies in the CBD area and connects various important nodes having importance of economic & administrative activities. It is encroached and creates congestion in traffic circulation. It has lack of organized parking area and open space. So, provision of parking facilities with organized shopping and recreation facilities are more demanded here.

Key Map

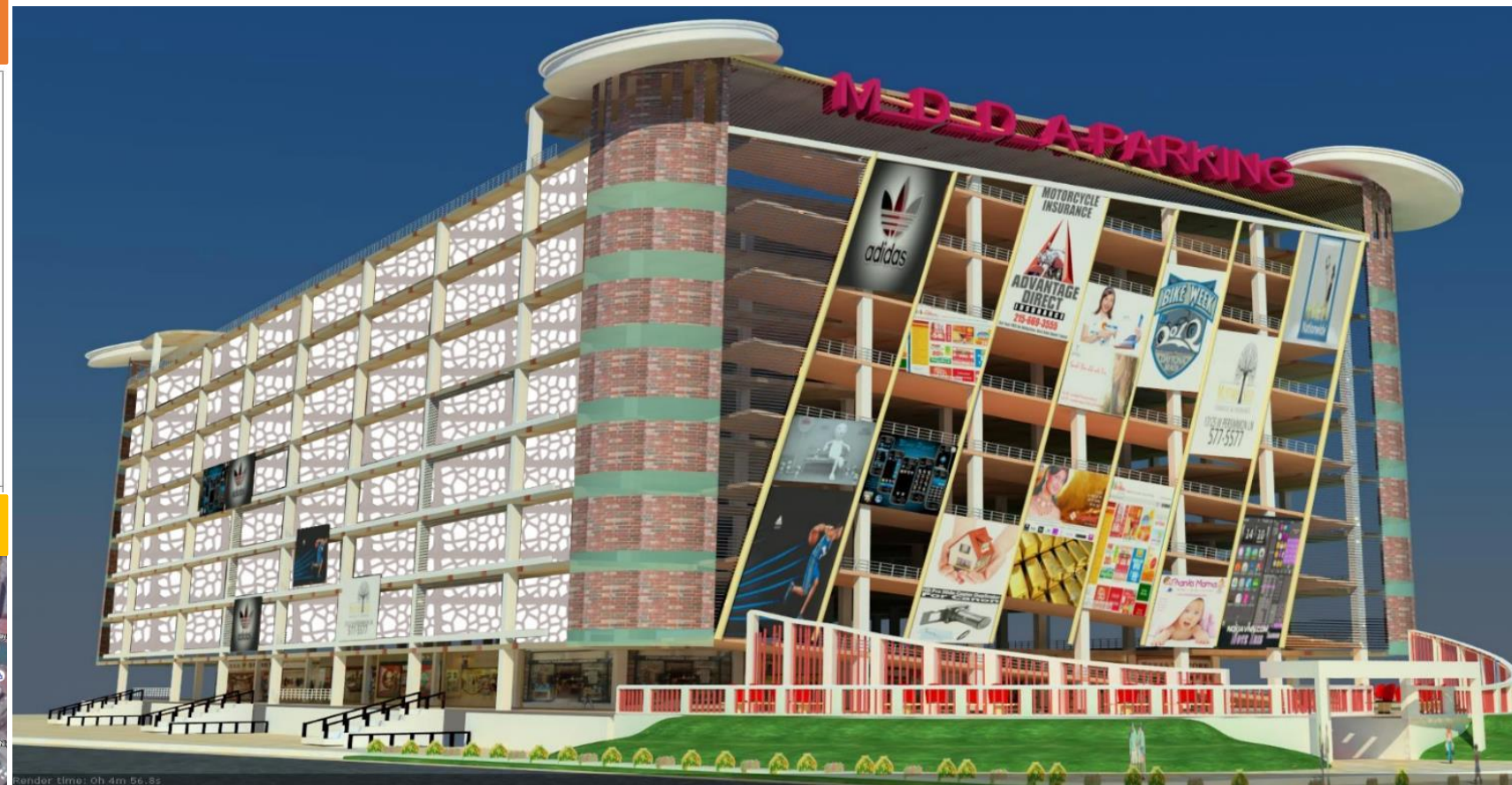


Site Context



Existing Condition

- Main CBD Area
- Economic & Administrative Importance
- Shortage of Organized Parking Area & Open Space, Encroachment on the Road
- Mix use nature
- Creating Mess in Streamline Traffic Movement at tehsil chawk Area

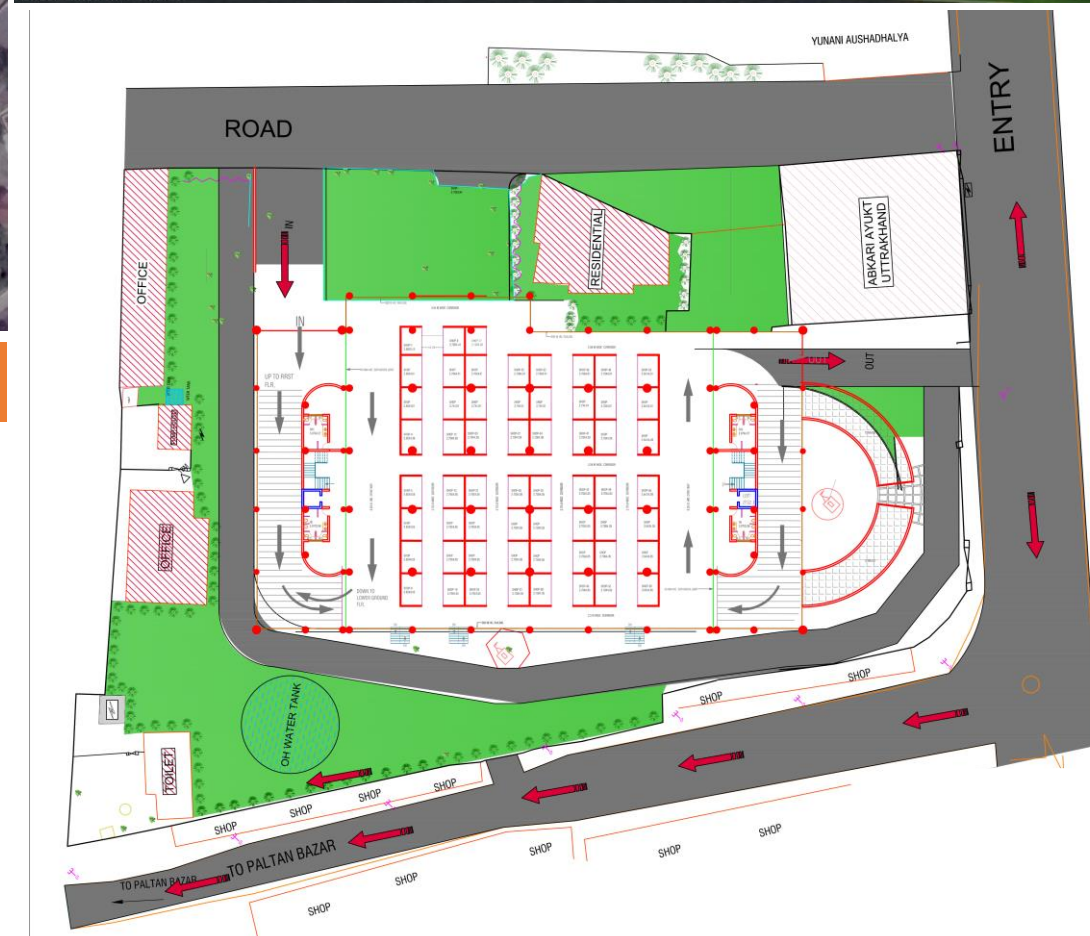


Interventions

- MLCP with 600 ECS
- 97 relocated shops accommodated in the ground floor of MLCP
- Street Furniture & organised open spaces in the area from relocation of 97 Shops
- Strengthening the Walkability Concept

Baseline improvements

With the provision of MLCP (600 ECS), organized shopping places (97 shops on lower & upper ground floor, which were unorganized & encroached on the road side) and open area landscaping with recreational facilities, the core area can be made congestion free and will strengthen the walkability concept. It will reduce traffic congestion, increase green cover and facilitate mix use development.

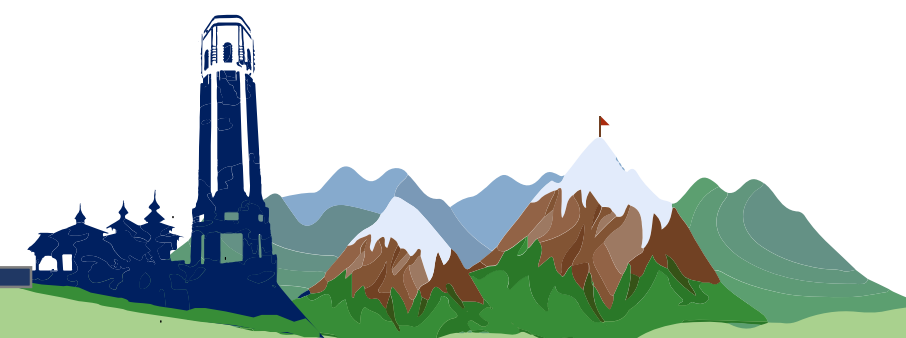


Area Statement

Total Land Area =	7143.71 sq.m.
Permissible FAR = 3 (with assessment) =	21431.13 sq.m.
Permissible area for office purpose (25% of FAR) =	5357.78 sq.m.
Permissible Ground coverage = 66.6% =	4757.71 sq.m.

Total Builtup area for shops =	5666.5 sq.m.
Total Builtup area for parking =	16084.15 sq.m.

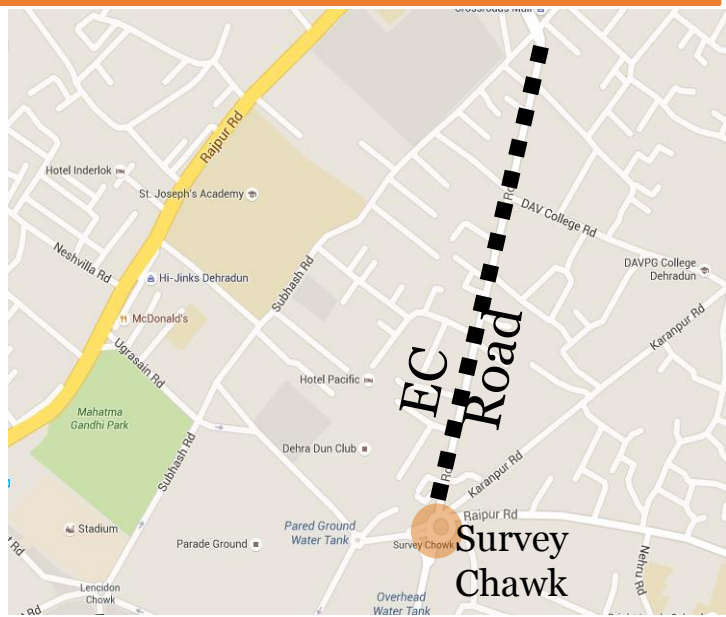
Floors	Usage	No. of Cars	No. of Shops	Covered Area (in Sq.M.)
Basement	Parking	77		2750.75
Lower ground Floor	Shops		59	2915.75
Upper Ground Floor	Shops		38	2750.75
First Floor	Parking	75		2750.75
Second Floor	Parking	75		2750.75
Third Floor	Parking	75		2750.75
Fourth Floor	Parking	75		2750.75
Fifth Floor	Parking	75		2750.75
Sixth Floor	Parking	75		2750.75
Terrace	Parking	73		
		600	97	19255.25



Rationale

EC Road is selected for this project as this is situated in the heart of the Dehradun.

Key Map



Interventions

1. Smart City Wi-Fi
2. Smart Environment
3. Smart Traffic Analytics
4. Smart City Parking Violation
5. Smart Connected Transportation
6. Remote Expert Government Services
7. Smart Kiosks
8. City portal and citizens app (developed by partners)

These services will be implemented on identified Golden Mile road of 750 m

Features

City Digital portal



- City Digital Portal Solution which enables integration of all sensor data on one application.
- CDP provides and enables cross analytics functionality

Remote Expert



- Deployment of 1 REGS PODs to enable a portfolio of government services through a high-quality, high-definition video and voice experience.
- Access to public services anytime, anywhere.



City Wifi



- Foundational layer
- Access points to give connectivity and to enable other services.
- Includes data centre supporting all other solutions.

Smart Environment



- One Environment Sensor will be deployed:
 - Gives data on key parameters like CO₂, CO, N, Humidity, Temperature, Luminosity

Smart transportation

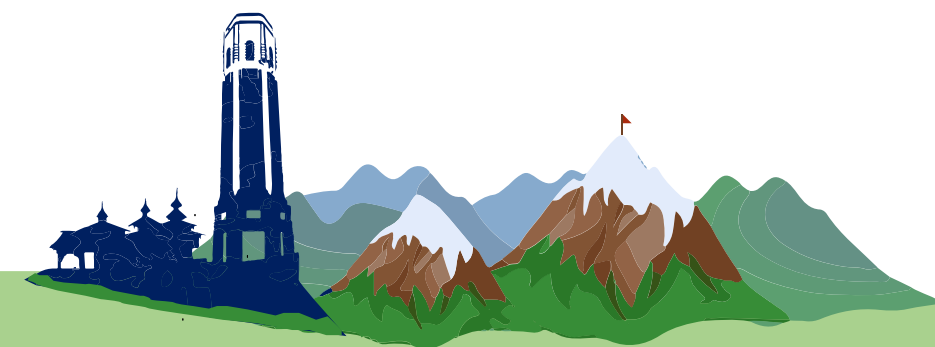


- Implemented on 2 buses and 2 bus stops.
- Monitoring, tracking and scheduling of services, combining voice, data and video.

Smart kiosks



- One kiosks to give citizens a digital channel to engage with the city.
- Source of revenue through advertising.



3.16 Integrated Approach: Pan City Solution

Early warnings can help mitigate crisis

Command Centre Services

- Corresponding city informed for crisis management
- Mitigation plan rolled out
- Warning disseminated to citizens

Situational awareness & integrated view for city operations & surveillance

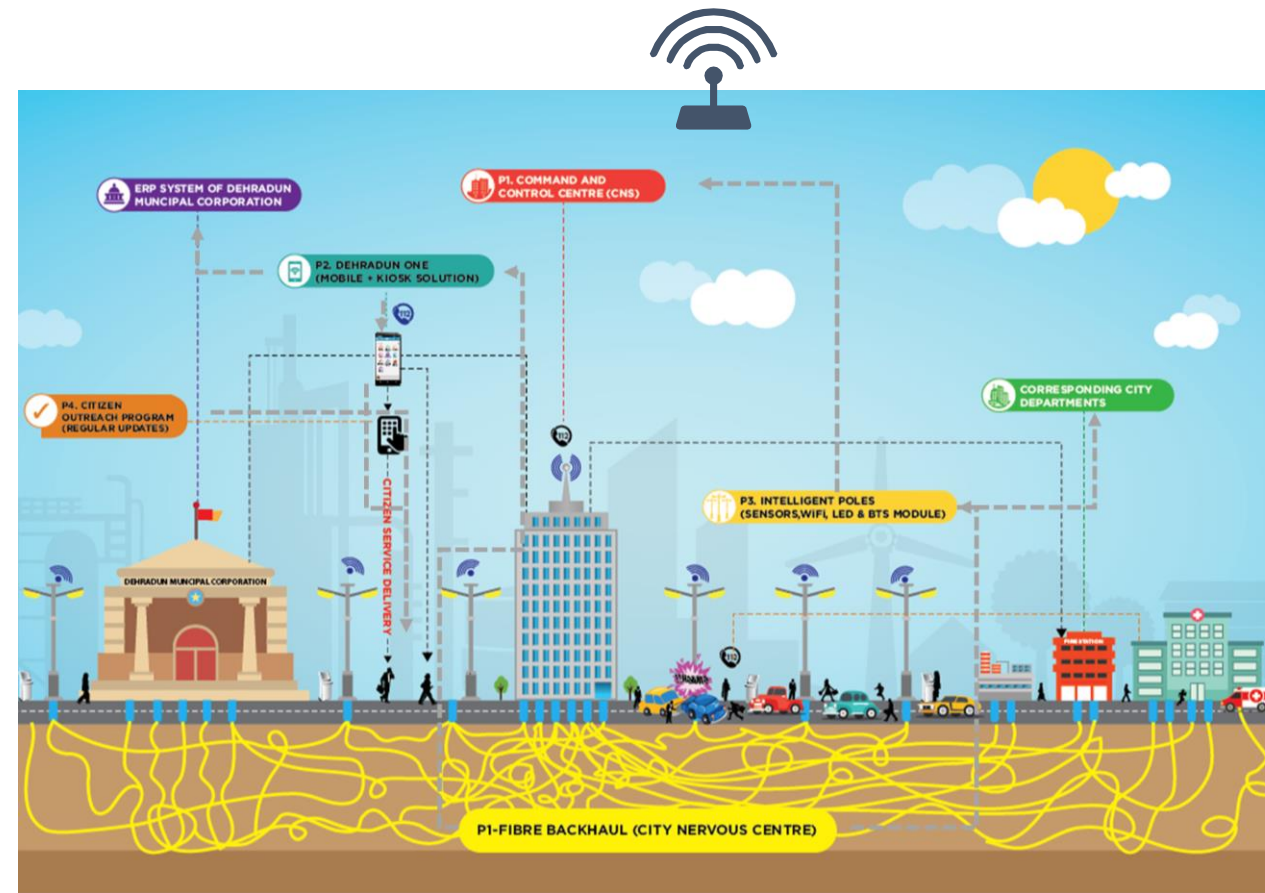
Command Centre Services

- Providing a safer environment for citizens through 112 Emergency & Women Safety Module
- Deterrent for crime
- Aid post incident investigation
- Mosquito Surveillance

Robust analytics, social media insight & data processing help correlate the data for informed decision making

Command Centre Services

- Using social media data for sentiments analysis
- Using data analysis for decision making
- Using data for forecast



Managing transport & traffic across the city

Command Centre Services

- GIS module helping identify traffic incidents & alternative routes
- VIP movement planned
- Emergency services route planned
- Video message sign board updated
- Traffic advisory issued (data input from traffic violation sensors on Intelligent Street Lights)

Rendering citizen services & grievances redressal

Command Centre Services

- Better governance models
- Managing city operations (Tourism, Urban Services, Education, Citizen outreach etc.)

Trained operators, better governance and SOP's to take the right decision at the right time

Command Centre Services

- Fire services dispatched
- Citizen warning issued
- Area Evacuation
- Medical aid dispatched



SPV - Governance Structure

High Powered Steering Committee



Board of Directors



Advisory Body

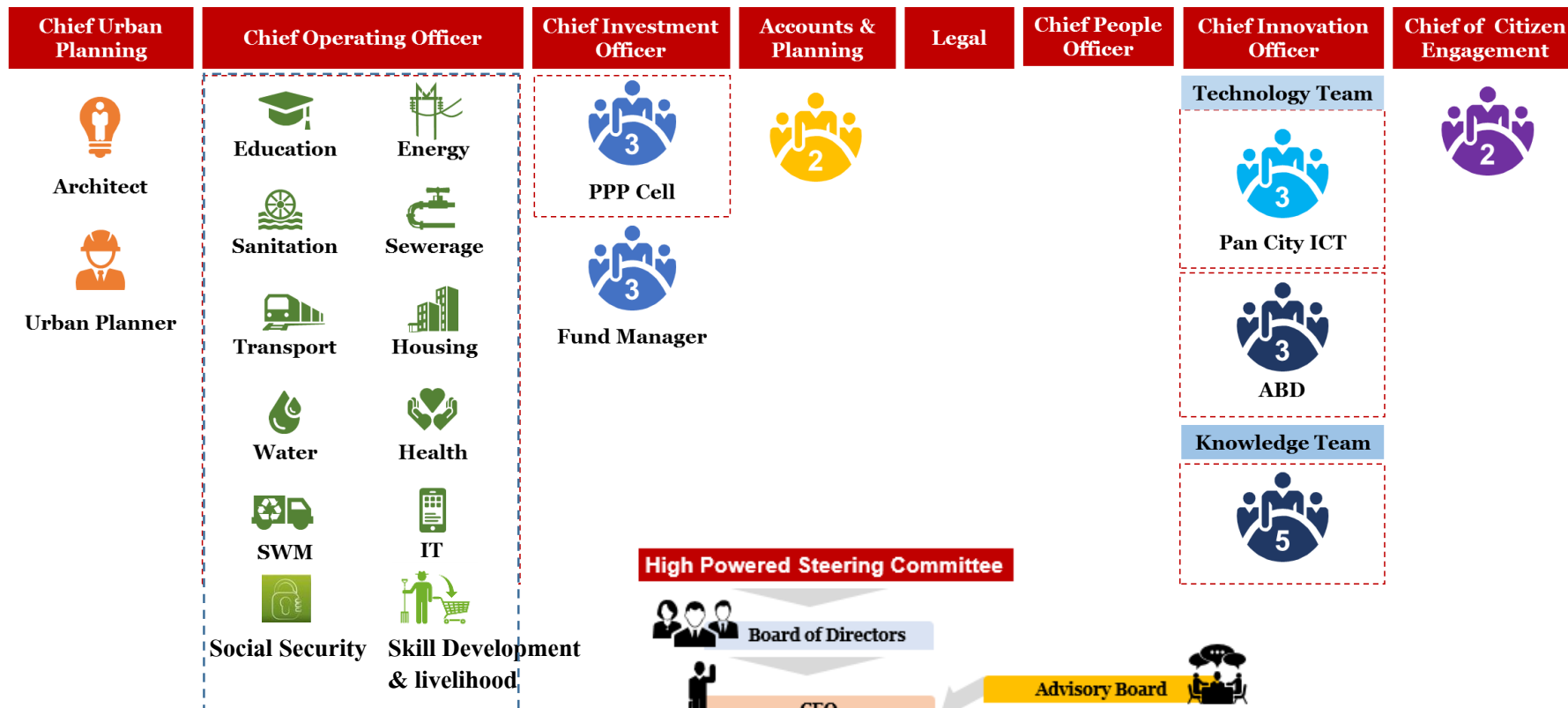
- Mayor (Chairman)
- Special Invitees from Premiere Institutes of Uttarakhand
- Special invitees from Investment Firms
- MPs/MLAs
- Representatives from line and coordinating departments



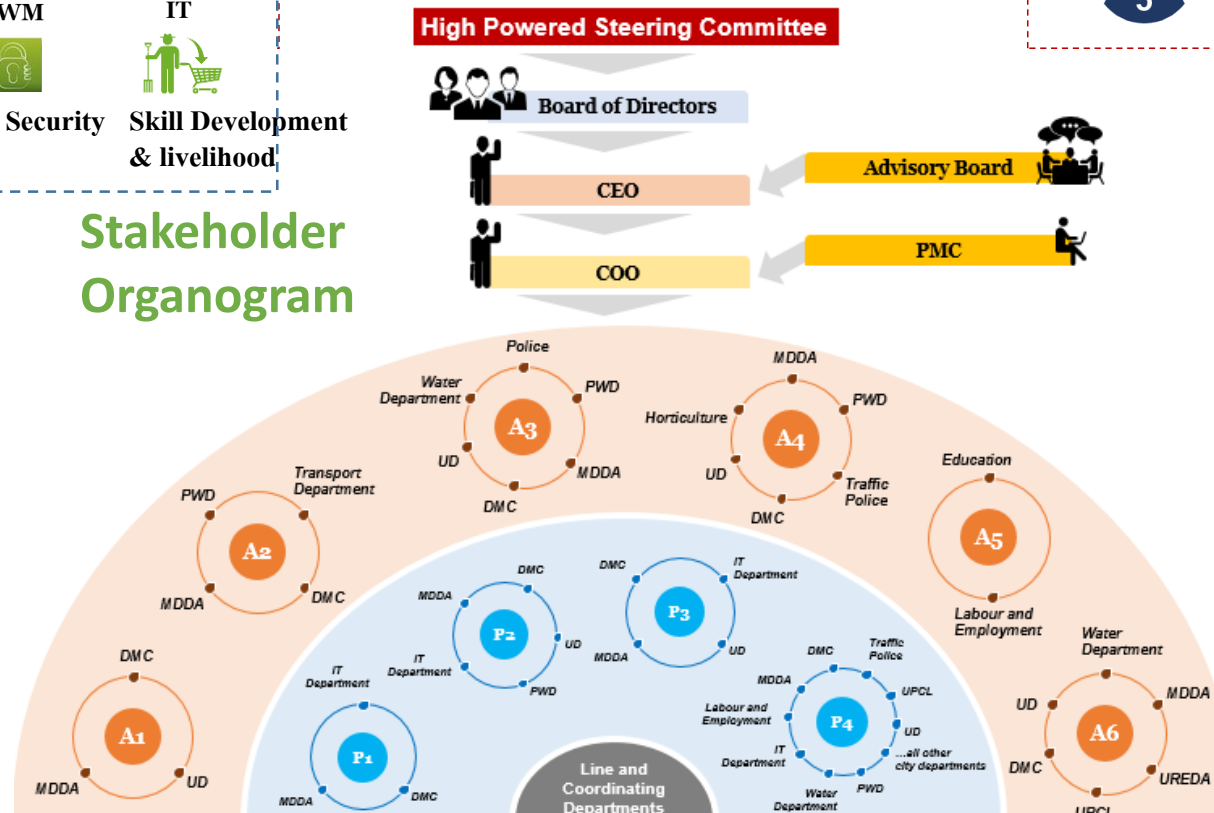
CEO

Legend

-  **Team Size**
-  **Project Management Consultant**



Stakeholder Organogram



3.17 SPV - Institutional Arrangement



Board of Directors



Chairperson

Divisional Commissioner/
VC- MDDA/District Magistrate



Vice chairman

Municipal Commissioner/
Other bureaucrat selected by the HPC



Nominee Directors

Representative from:

- Government of India
- UPCL
- Uttarakhand Renewable Energy Development Agency
- PWD
- Uttarakhand Police
- State Transport Department, Uttarakhand
- Department of Urban Development
- MDDA
- Dehradun Municipal Corporation
- Department of Housing, Uttarakhand
- Information Technology Development Agency
- Department of health and family welfare
- Uttarakhand Education Department
- Department of Finance, Uttarakhand



Independent Director

One third of total Directors to be appointed out of the list circulated by Central Government including one woman director



Chief Executive Officer

Professional/Government officer on deputation to be appointed with approval of Government of India

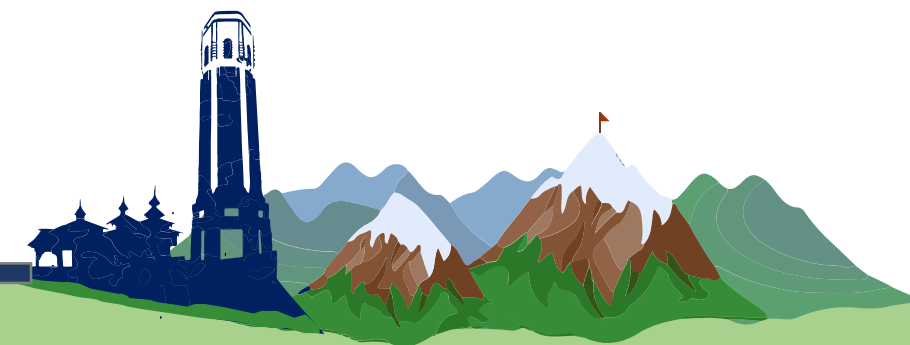
- Incorporation Company Under Companies Act, 2013

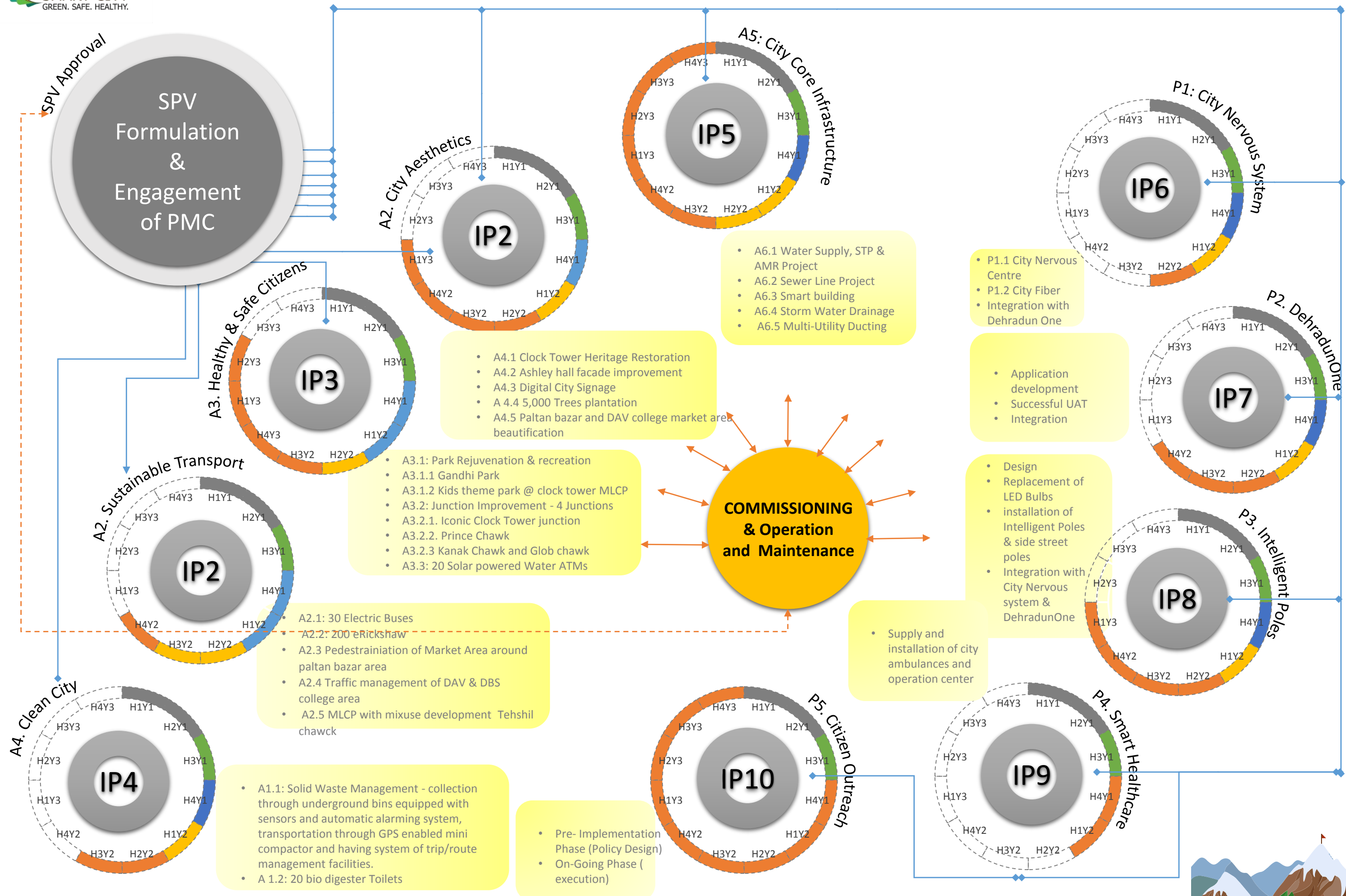
- Promoter- Shareholder DMC & MDDA (50:50)

- Legal Status Public Limited Company

- Constitution Document MoA & AoA

http://smartcities.gov.in/writereaddata/OM_SPV.pdf





SPV Formulation & Engagement of PMC

SPV Approval

Detail project Report

A2. City Aesthetics

IP2

- A4.1 Clock Tower Heritage Restoration
- A4.2 Ashley hall facade improvement
- A4.3 Digital City Signage
- A4.4 5,000 Trees plantation
- A4.5 Paltan bazar and DAV college market area beautification

A5: City Core Infrastructure

IP5

- A6.1 Water Supply, STP & AMR Project
- A6.2 Sewer Line Project
- A6.3 Smart building
- A6.4 Storm Water Drainage
- A6.5 Multi-Utility Ducting

P1: City Nervous System

IP6

- P1.1 City Nervous Centre
- P1.2 City Fiber
- Integration with Dehradun One

A3. Healthy & Safe Citizens

IP3

- A3.1: Park Rejuvenation & recreation
 - A3.1.1 Gandhi Park
 - A3.1.2 Kids theme park @ clock tower MLCP
- A3.2: Junction Improvement - 4 Junctions
 - A3.2.1. Iconic Clock Tower junction
 - A3.2.2. Prince Chawk
 - A3.2.3 Kanak Chawk and Glob chawk
- A3.3: 20 Solar powered Water ATMs

A2. Sustainable Transport

IP2

- A2.1: 30 Electric Buses
- A2.2: 200 eRickshaw
- A2.3 Pedestrianation of Market Area around paltan bazar area
- A2.4 Traffic management of DAV & DBS college area
- A2.5 MLCP with mixuse development Tehshil chawck

COMMISSIONING & Operation and Maintenance

- Supply and installation of city ambulances and operation center

P2. DehradunOne

IP7

- Application development
- Successful UAT
- Integration

P3. Intelligent Poles

IP8

- Design
- Replacement of LED Bulbs
- installation of Intelligent Poles & side street poles
- Integration with City Nervous system & DehradunOne

A4. Clean City

IP4

- A1.1: Solid Waste Management - collection through underground bins equipped with sensors and automatic alarming system, transportation through GPS enabled mini compactor and having system of trip/route management facilities.
- A1.2: 20 bio digester Toilets

P5. Citizen Outreach

IP10

- Pre- Implementation Phase (Policy Design)
- On-Going Phase (execution)

P4. Smart Healthcare

IP9

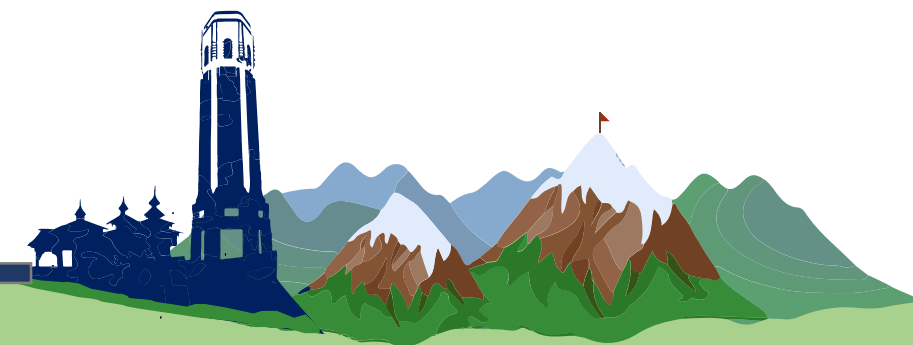


3.19 Financial Outlay

All figures in INR Cr.



Dehradun Smart City Financial Outlay (all figures in INR Crores)														
Project Description					Capital Cost Phasing				Grants, Convergence Schemes & PPP				O&M Recovery	
S.No.	Component	# Project	Total Project Cost - Capex+ 10 years of O&M	Capex	Year 1	Year 2	Year 3	Year 4	Smart City Fund	Central Scheme	State Scheme	PPP	Annual O&M Cost	O&M Cost - Total 10 years
Area Based Development (Zone C)		23	1,488.1	975.7	483.3	234.3	129.0	129.0	628.2	225.3	10.8	111.5	48.6	512.5
1	Clean City	3	5.7	4.6	3.3	1.3	-	-	2.0	2.6	-	-	0.1	1.1
2	Sustainable Transport	6	300.6	265.0	170.5	31.5	31.5	31.5	177.3	37.5	10.3	40.0	3.0	35.6
3	Healthy & Safe Citizens	5	174.8	139.0	111.5	27.5	-	-	89.5	3.0	-	46.5	4.2	35.8
4	City Aesthetics & Identity	3	105.6	102.8	92.4	10.4	-	-	76.9	0.4	0.5	25.0	0.3	2.8
5	Core Infra	6	901.4	464.3	105.6	163.6	97.5	97.5	282.5	181.8	-	-	41.1	437.2
Pan City		5	449.8	371.9	135.9	121.0	109.0	6.0	311.9	-	-	60.0	7.8	77.9
1	City Nervous System	1	68.6	37.0	20.0	10.0	7.0	-	37.0	-	-	-	3.0	31.6
2	City Smart Nerves	1	75.7	38.0	15.0	15.0	8.0	-	38.0	-	-	-	4.0	37.7
3	City Dashboard & Mobile Services	1	49.8	44.0	22.0	8.0	8.0	6.0	44.0	-	-	-	0.5	5.8
4	City Smart Sensors	1	234.9	234.9	72.9	82.0	80.0	-	174.9	-	-	60.0	-	-
5	Smart Healthcare	1	20.8	18.0	6.0	6.0	6.0	-	18.0	-	-	-	0.3	2.8
Total ABD + Pan City			1,937.9	1,407.5	643.2	367.3	250.0	147.0	940.0	225.3	10.8	171.5	56.4	590.4
Other														
1	SPV Operational Expenses (includes PMC, SPV Manpower, Capacity Building & Social Mobilisation) - 5% of Total SCF of Rs.1000Cr		50	50	20	10	10	10						
2	Central Government A&OE 2% of Central Government Grant of Rs.500Cr		10	10	4	2	2	2						
Other			60.0	60.0	24.0	12.0	12.0	12.0						
Total ABD + Pan City + Other			1,997.9	1,467.5	667.2	379.3	262.0	159.0	940.0	225.3	10.8	171.5	56.4	590.4



A4	Clean City	
A2	Sustainable Transport	
A3	Healthy & Safe Citizens	
A2	City Aesthetics	
A5	City Core Infra	

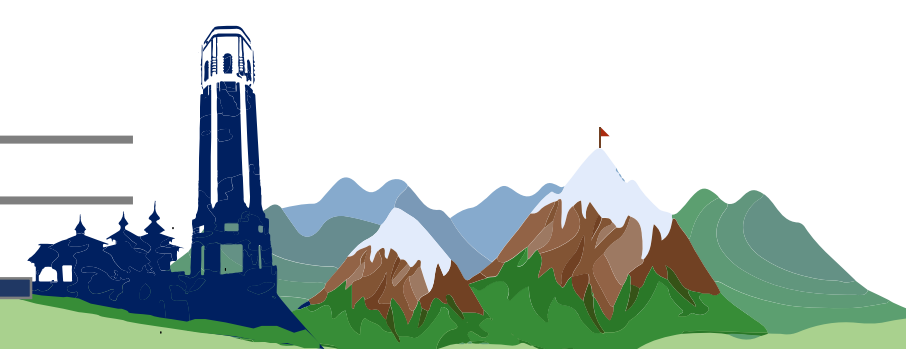
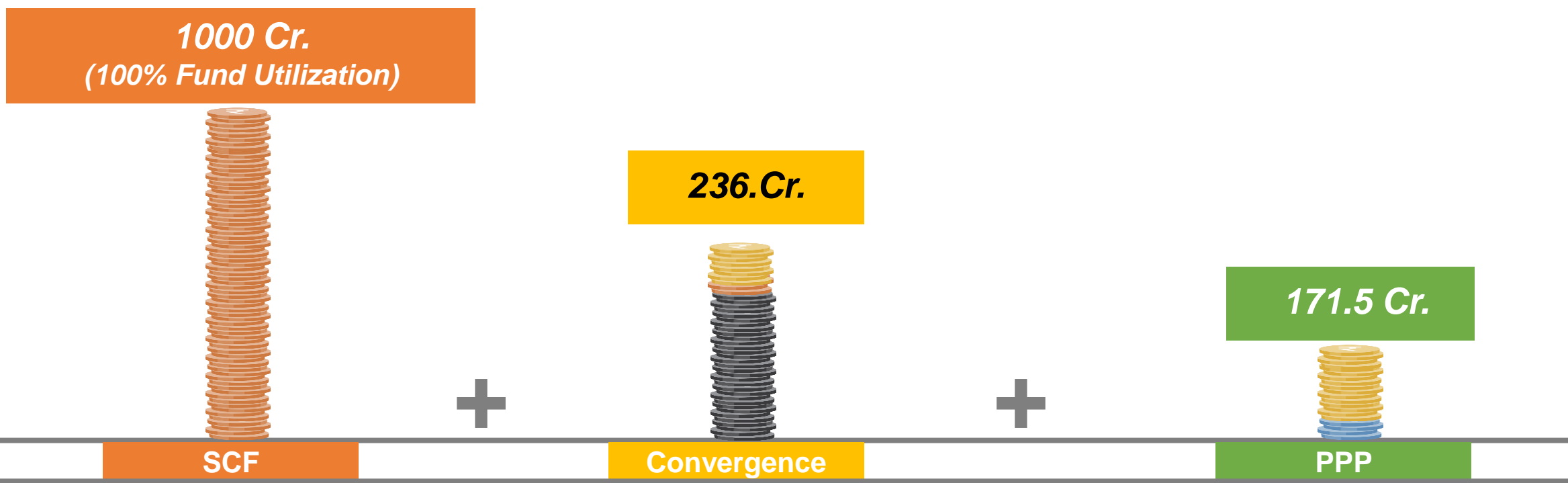
4.6 Cr.
265.0 Cr.
139.0 Cr.
102.8 Cr.
464.3 Cr.

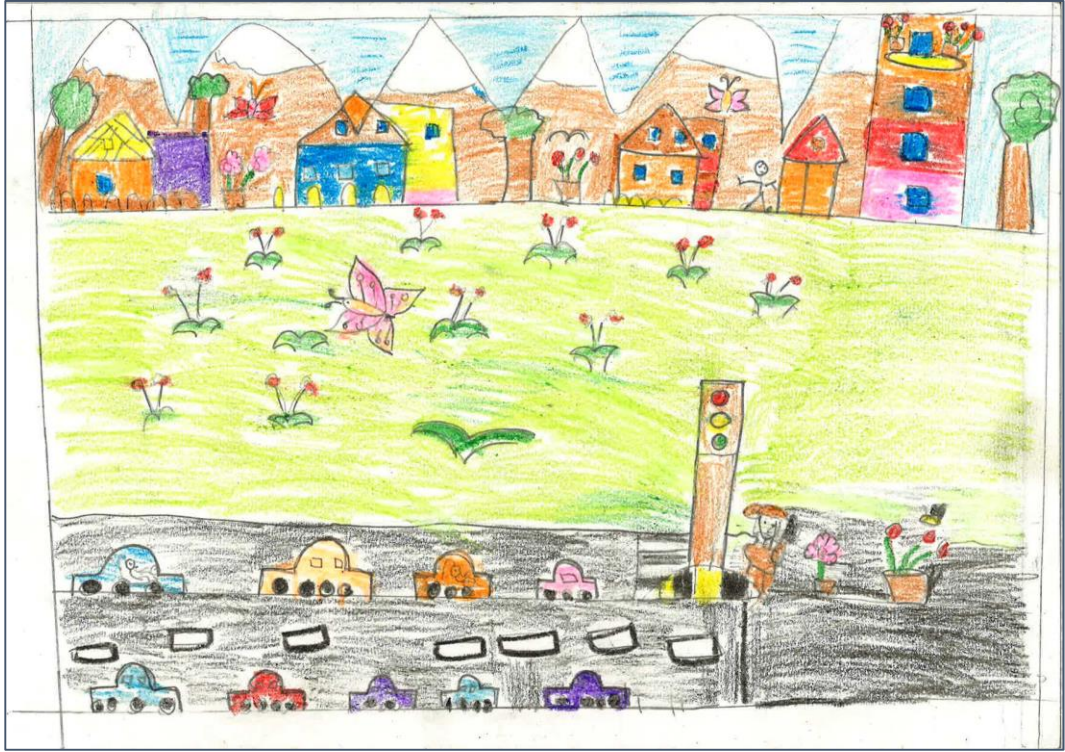
975.7 + 371.9

38.0
37.0 Cr.
44.0 Cr.
234.9 Cr.
18.0 Cr.
-

	Smart Nerves	P6
	City Nervous System	P6
	DehradunOne	P7
	i-Poles	P8
	Smart healthcare	P9
	Citizen Outreach Program	P10

Total Smart City Capital: 1347.5 Cr + 60Cr.) (1407.5)
 SPV Technical Capacity Building @4% + PMC @2%





Drawings done by Students

DEHRADUN

SMART CITY PROPOSAL

ANNEXURE 03: Additional



Additional Annexure III - TOC



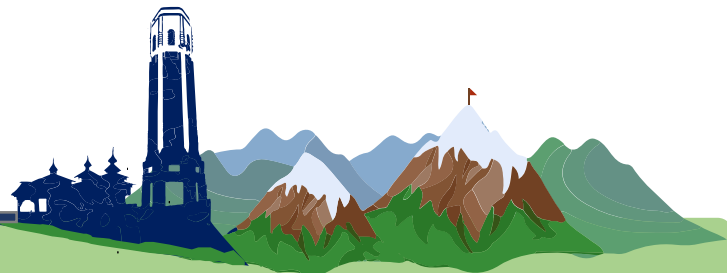
3.21 Citizen Engagement

3.22 ABD Projects & Essential Features

3.23 Pan City Interconnected Approach

3.24 Command Control Center

3.25 Mobile App: Dehradun One



3.21 Citizen Engagement



PRINT MEDIA COVERAGE: 9. CAMPAIGNS AT VARIOUS PLACES ACROSS CITY

स्मार्ट सिटी को कैप लगाकर जनता से कराई वोटिंग

DEHRADUN (3 Mar) : गुणवार को सिटी में कई जगह कैप लगाए गए और स्मार्ट सिटी के लिए वोटिंग कराई गई। इसके अलावा लोगों को अपने परिवार के सदस्यों द्वारा भी वोटिंग करने के लिए जागरूक किया गया।

पांच जनों के लिए कराई जा रही वोटिंग

सिटी को पांच जनों में बांटा गया है। पहले चार जनों में वोटिंग कराई जा रही है। पांच जनों में वोटिंग कराई जा रही है। पांच जनों में वोटिंग कराई जा रही है।

स्मार्ट सिटी के लिए जनता ने की वोटिंग

DEHRADUN (3 Mar) : स्मार्ट सिटी को लागू करने के लिए जनता ने वोटिंग की। स्मार्ट सिटी को लागू करने के लिए जनता ने वोटिंग की।

PRINT MEDIA COVERAGE: 10. WALKATHON

MDDA, FE&C organize Walkathon

DEHRADUN (3 Mar) : MDDA and FE&C have organized a walkathon to support the Smart City project. The walkathon was held in the city and was attended by many people.

दून को चाह, आसान हा स्मार्ट सिटी को रात

दून को चाह, आसान हा स्मार्ट सिटी को रात। दून को चाह, आसान हा स्मार्ट सिटी को रात। दून को चाह, आसान हा स्मार्ट सिटी को रात।

GLIMPSES: 3. OPINION POLL

SMART VOTE

Let's Vote. Vote for Smart City of Dehradun. SMART VOTE. SMARTER DEHRADUN. SMARTER DEHRADUN. SMARTER DEHRADUN. SMARTER DEHRADUN.

GLIMPSES: 2. AWARENESS SPREAD

SMART VOTE

Let's Vote. Vote for Smart City of Dehradun. SMART VOTE. SMARTER DEHRADUN. SMARTER DEHRADUN. SMARTER DEHRADUN. SMARTER DEHRADUN.

Citizen Engagement

GLIMPSES: 6. VISION & IDEA WORKSHOPS

MDDA & DMC's Idea Workshop

Dehradun Smart City. 11 March 2016. Post Hotel, Dehradun. MDDA & DMC's Idea Workshop. MDDA & DMC's Idea Workshop. MDDA & DMC's Idea Workshop.

PRINT MEDIA COVERAGE: 6. IDEA WORKSHOP

Smart city project: Doon civic body gets flood of inputs

Dehradun: A litany of feedback was received on Friday by the Mussoori Dehradun Development Authority (MDDA) during its seminar organised to get inputs for its revised smart city project proposal.

PRINT MEDIA COVERAGE: 4. LIVE TALK

MDDA holds online chat with locals on smart city project

Dehradun: MDDA has held an online chat with locals to gather their views on the smart city project. The chat was held on the MDDA website.

Govt officials ask public to provide inputs for smart city plan

Dehradun: Government officials have asked the public to provide their inputs for the smart city plan. The officials are looking for suggestions from the citizens.

PRINT MEDIA COVERAGE: 1. PRESS CONFERENCE

जनता की राय तय करेगी कैसा हो स्मार्ट सिटी

Dehradun: A press conference was held to discuss the smart city project. The officials stated that the public's opinion is very important.

स्मार्ट सिटी के लिए भेजेगे संशोधित प्रस्ताव : मीनाक्षी

Dehradun: Minister Meenakshi has announced that she will submit a revised proposal for the smart city project. She said that the proposal will be based on the public's feedback.

PRINT MEDIA COVERAGE: 8. CAMPAIGNS ON MAHASHIVRATRI

शिवरात्रि पर लोगों ने चुना स्मार्ट सिटी का विकल्प

Dehradun: On Mahashivratri, people chose the smart city option over other alternatives. The campaign was successful in raising awareness.

शिवरात्रि पर लोगों ने चुना स्मार्ट सिटी का विकल्प

शिवरात्रि पर लोगों ने चुना स्मार्ट सिटी का विकल्प। शिवरात्रि पर लोगों ने चुना स्मार्ट सिटी का विकल्प। शिवरात्रि पर लोगों ने चुना स्मार्ट सिटी का विकल्प।

PRINT MEDIA COVERAGE: 7. CAMPAIGNS AT INSTITUTES

स्मार्ट सिटी के लिए वोटिंग को किया जागरूक

Dehradun: Campaigns were held at various institutes to make people aware of the smart city voting process. The campaigns were very successful.

स्मार्ट सिटी के लिए वोटिंग को किया जागरूक

स्मार्ट सिटी के लिए वोटिंग को किया जागरूक। स्मार्ट सिटी के लिए वोटिंग को किया जागरूक। स्मार्ट सिटी के लिए वोटिंग को किया जागरूक।

PRINT MEDIA COVERAGE: 5. VISION WORKSHOP

स्मार्ट सिटी को लेकर एक्सपर्ट ने किया मंथन

Dehradun: Experts held a meeting to discuss the vision for the smart city. They discussed various aspects of the project and provided their suggestions.

MDDA set to galvanize Doon citizens to win battle for Smart City

MDDA is planning to galvanize citizens across the Doon region to support the smart city project. They will be using various campaigns and activities.

PRINT MEDIA COVERAGE: 3. OPINION POLL

Govt's target of 1L votes for Smart City a race against time

Dehradun: The government has set a target of 1 lakh votes for the smart city project. The race is against time as the deadline is approaching.

U'khand to hold opinion poll to revise Smart City proposal

Uttarakhand government is planning to hold an opinion poll to revise the smart city proposal. The poll will be held across the state.

PRINT MEDIA COVERAGE: 11. WALKATHON

श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी

Dehradun: Shri Shakti Kapoor participated in a walkathon to support the smart city project. She walked for several kilometers.

श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी

श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी। श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी। श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी।

श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी

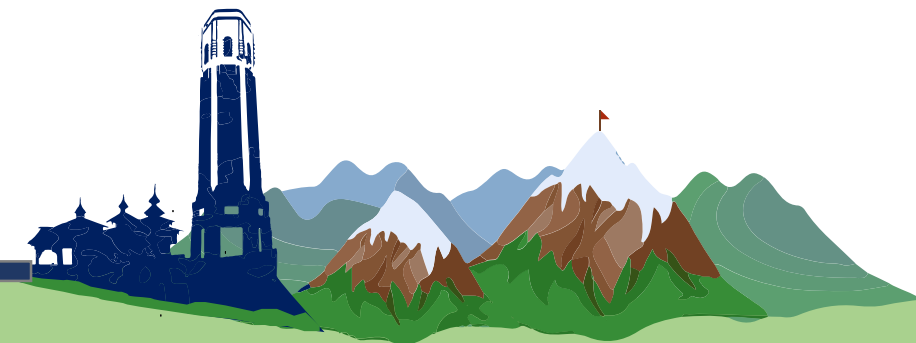
श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी। श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी। श्री शक्ति कपूर वॉक फॉर डेव्हलपिंग स्मार्ट सिटी।

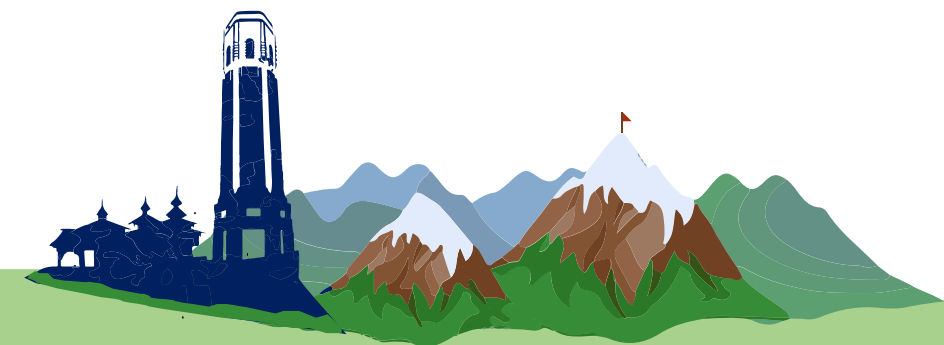
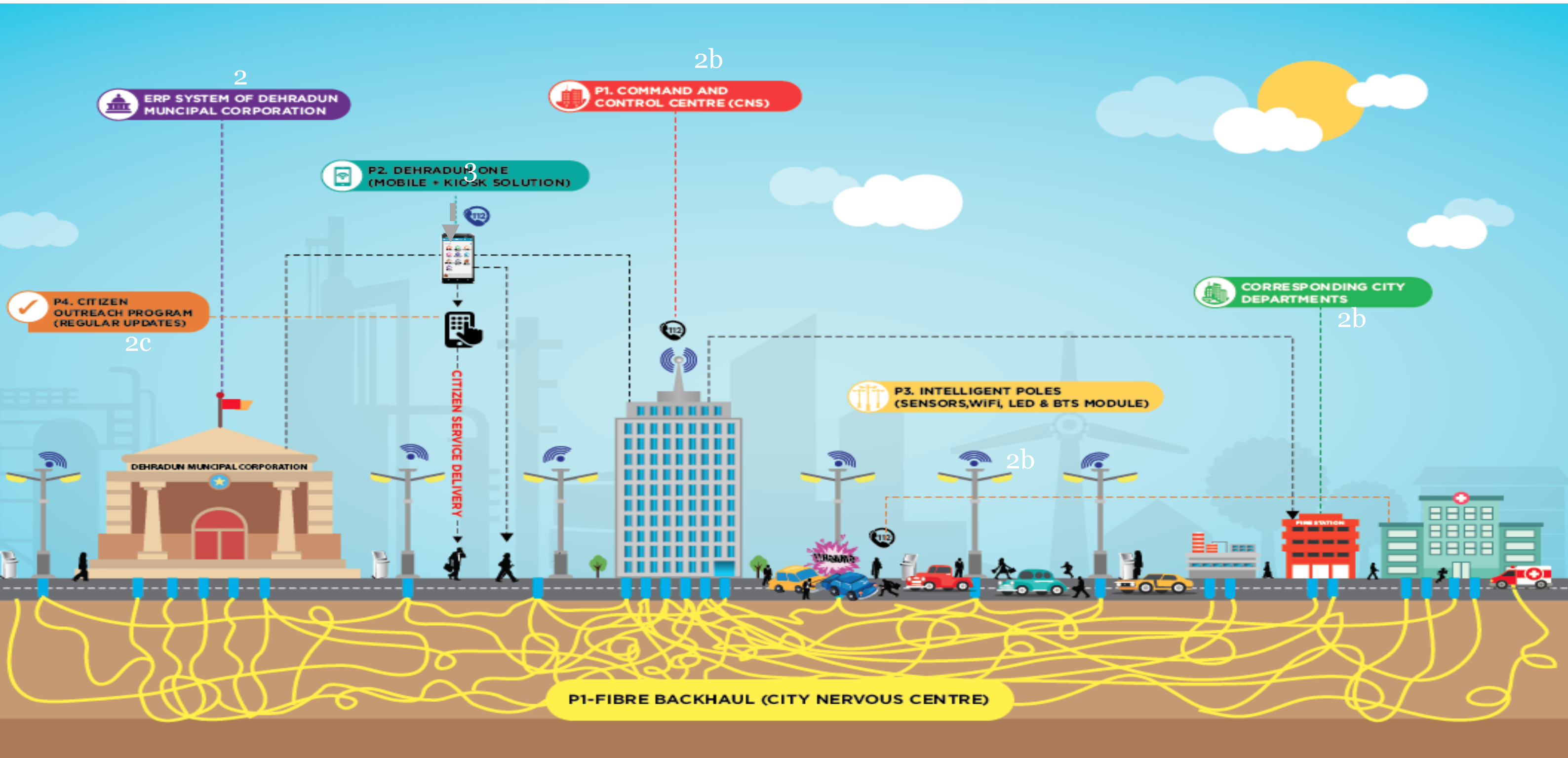


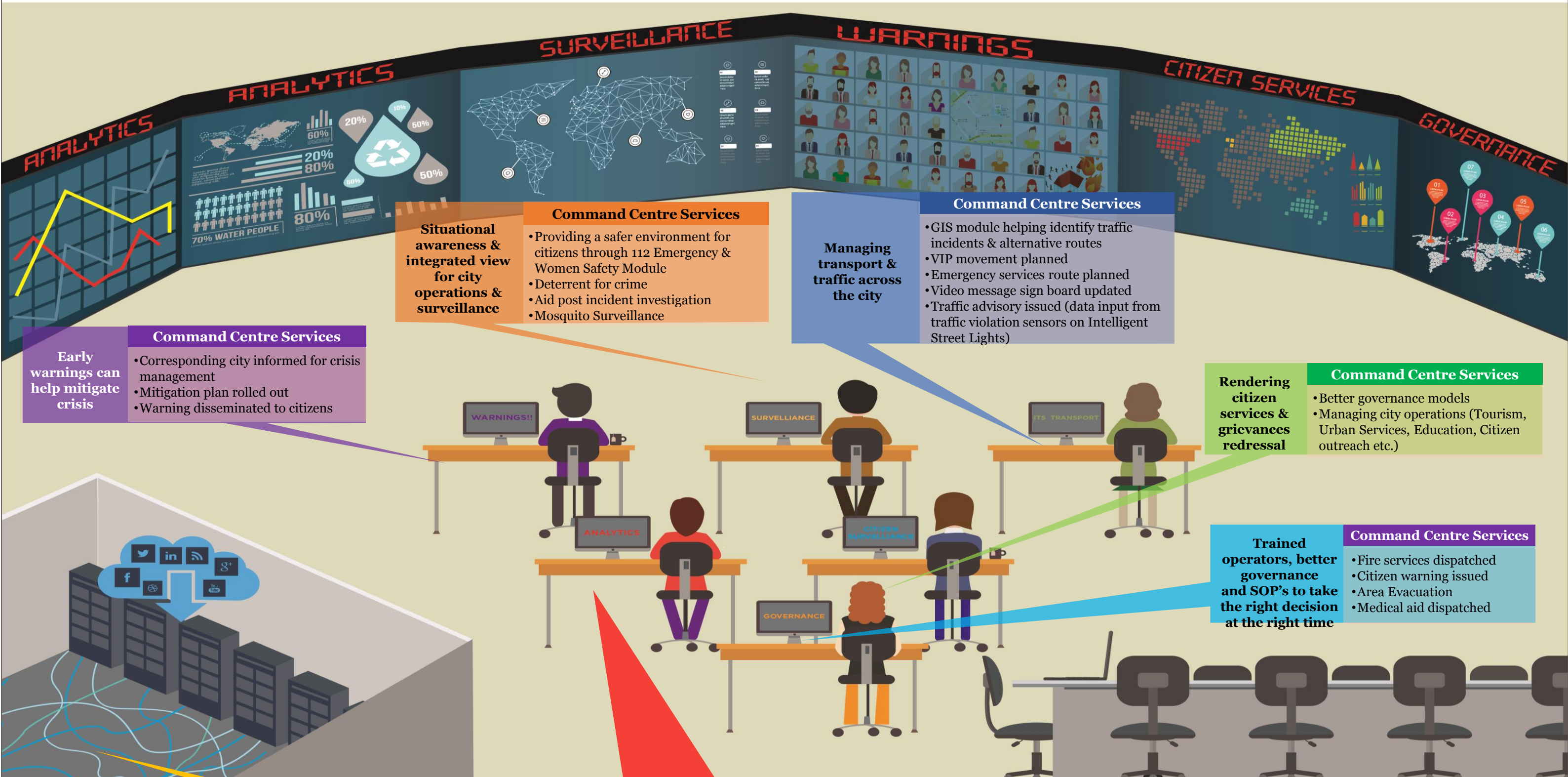
3.22 ABD Projects & Essential Features



S.No.	Smart City Features	Projects																	
		Pedestrianisation of Paltan Bazar & Looping it up with MLCP (Appx. 3000ECS)	Junction Improvement- • Clock Tower • Prince Chowk • Kanak Chowk • Globe Chowk • Quality Chowk	Core area Rejuvenation at Ashley Hall area • Façade improvement • Parking Facilities • Landscaping • Mixuse development	Core area Rejuvenation at DAV & DBS College Area includes Circulation Management & Market Area Improvement of DAV & DBS College Area	Green Building - Nagar Nigam Building	Provision of Public toilets (26 no.) in public places, education & health centers, slum area	Provision of Water ATMs (24 no) in public places, education & health centers, slum area	Solar Roof toping of govt. buildings	Core area rejuvenation at Tehsil • MLCP (600 ECS) • Mix use development with 97 shops • Landscaping	Gandhi Park redevelopment • Kids & Elderly people recreational facilities • Meditation & Yoga Centre • Landscaping & Green development • Open Amp theater • Kiosks/Food Courts • Cycle & Jogging Tracks	Provision of 30 non-polluting buses and e-rickshaws on defined routes	Multi utility ducting (35 Km)	Hi Mast Poles & LEDfication of all street lights, i-poles	SWM through 30 underground bins, GPS enable vehicles for transportation of Garbage.	Kids Theme City and Information center at Clock Tower Complex • Kids learning & entertainment zone • Tourism & Heritage information zone • Cultural Zone	Provision of Affordable Housing	Tree Plantation in Zone • Along median & junctions • In Public & Semi-public institutions	Automated car parking with mixuse development at Astley hall • MLCP-Carparking in basement & top floor (200 ECS) • MLCP-1st & 2nd floor, area 2200 Sq feet, for commercial uses given to cooperative society • MLCP-3rd, 4th & 5th floor, area 3000 Sq feet, for commercial and office uses will be given to developing agency
1	Citizen Participation																		
2	Identity & Culture																		
3	Economy & Employment																		
4	Education																		
5	Health																		
6	Mixed Use																		
7	Compactness																		
8	Open Spaces																		
9	Housing & Inclusiveness																		
10	Transportation & Mobility																		
11	Walkability																		
12	IT Connectivity																		
13	Intelligent Govt Services																		
14	Energy supply																		
15	Energy Source																		
16	Water Supply																		
17	Waste Water Management																		
18	Water Quality																		
19	Air Quality																		
20	Energy Efficiency																		
21	Underground Electric Wire																		
22	Sanitation																		
23	Waste Management																		
24	Safety																		







Early warnings can help mitigate crisis

Command Centre Services

- Corresponding city informed for crisis management
- Mitigation plan rolled out
- Warning disseminated to citizens

Situational awareness & integrated view for city operations & surveillance

Command Centre Services

- Providing a safer environment for citizens through 112 Emergency & Women Safety Module
- Deterrent for crime
- Aid post incident investigation
- Mosquito Surveillance

Managing transport & traffic across the city

Command Centre Services

- GIS module helping identify traffic incidents & alternative routes
- VIP movement planned
- Emergency services route planned
- Video message sign board updated
- Traffic advisory issued (data input from traffic violation sensors on Intelligent Street Lights)

Rendering citizen services & grievances redressal

Command Centre Services

- Better governance models
- Managing city operations (Tourism, Urban Services, Education, Citizen outreach etc.)

Trained operators, better governance and SOP's to take the right decision at the right time

Command Centre Services

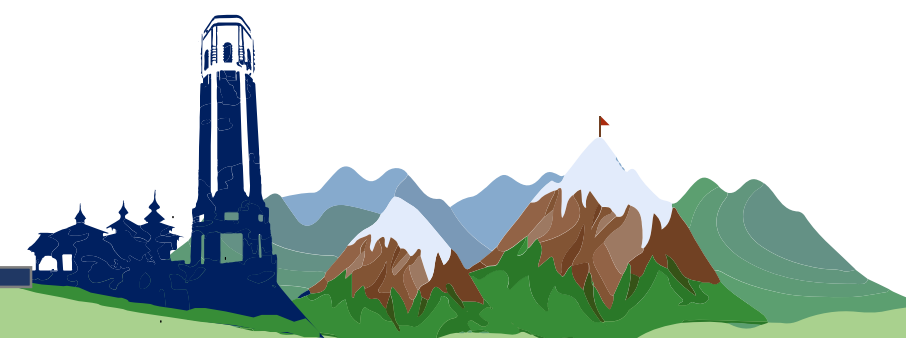
- Fire services dispatched
- Citizen warning issued
- Area Evacuation
- Medical aid dispatched

Optical fibre laid for 500 Kms.

Robust analytics, social media insight & data processing help co-relate the data for informed decision making

Command Centre Services

- Using social media data for sentiments analysis
- Using data analysis for decision making
- Using data for forecast



3.25 Mobile App: Dehradun One



- 3G/4G/Fibre optics/Wimax
- City owned secure data processing & management system
- Intelligent energy-saving lighting
- Street video surveillance
- Mosquito Surveillance
- Wi-Fi broadband hotspots
- Environment sensors
- ITMS/Traffic Violation Sensors
- Flood Monitoring Level sensor
- 24x7 BTS Module
- SOS Terminals



8000(Approx.) Intelligent Poles

Grievance

Citizen complaints related to government services such as street light, solid waste, water supply etc.

- Lodge a complaint
- Track
- Feedback

112 Emergency

- Emergency Services – Police, Fire & Ambulance

Utilities

- Pay your bills - Water, Power and Gas.
- Track your Consumption
- Apply for a new connection
- Lodge a Complaint
- Complaint tracking and Feedback
- Aerial consumption trends

Mosquito Surveillance

- Service Request Form
- Share GPS Location
- Aerial Climate Conditions
- Environmental Sensor Alert

Women Safety

- Initiates alert on Command and Control Centre
- Sends out SMS and emails of an emergency to predefined contacts (upto 8)
- Place call to Guardians and automatically shifts to other predefined contacts in case of no response
- Shares GPS Position
- Transmits post alert video clipping of 20 seconds
- Transmits pre-alert audio upto 60 seconds
- Commences tracking of the person

Urban Citizen Services

- Registration-Birth, Death etc.
- Property Tax
- Building plan approval
- Affordable Housing Allotment
- RTI
- Parking

Tourism

- Plan your travel
- Popular tourist attractions
- Book hotels, accommodation and guest houses
- Check registered travel agents
- Book travel guides
- Track on-going tourism department projects

Ease of Doing Business

- Fiscal policies and Infrastructure support
- Credit information system
- Single Window Clearances & Information dissemination
- Labour laws, Tax payments and Investment Policies
- Guidelines to start and close a business

Education and Child Safety

- Search for Best Schools / Colleges / Universities
- Admission Guidelines to School/Colleges/Universities
- Jobs and Careers
- Digital Education - Online Certifications
- Skill Development Centre Link
- Libraries
- Child Safety through mobile alerts

City Dashboard (Trends in Percentage)

- Improvement in TAT for public services
- Energy efficiency achieved through intelligent lighting
- Reduction in crime rate and increase in conviction rate
- Decrease in the dengue and malaria cases in the city
- Decrease in on street parking violations
- Increase in citizen participation & identity and culture
- Improvement in the city profile KPIs such as health, transport, IT connectivity, Air Quality etc.



Drawings done by Students

DEHRADUN

SMART CITY PROPOSAL

ANNEXURE 04

Technical Inputs from :

IIT Kanpur

IIT Kharagpur

IIT Roorke

University of Petroleum energy and studies (UPES)

GB Pant University



1	4.1	Abbreviations
2	4.2	HPSC Approvals for SCP & Board Resolutions
3	4.3	Project Underground Bins and DWMPL Scope
4	4.4	Project Clock Tower- Design
5	4.5	Gandhi Park Phase-1 and 2
6	4.6	Industry Support Letters
7		ARNA Support Letter
8		DIT University Support Letter
9		ESRI India Support Letter
10		Essel Infraprojects Limited Support Letter
11		HITACHI Support Letter
12		IBM Support Letter
13		ILFS Support Letter
14		ILFS Water Support Letter
15		ISOF Support Letter
16		KANKYO Support Letter
17		KPIT Support Letter
18		METRO Support Letter
19		Rave Technologies Support Letter
20		OYO Support Letter

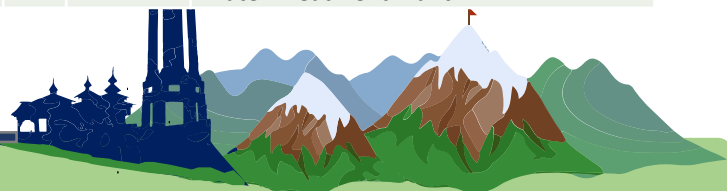


21		SPML Support Letter
22		TERI Support Letter
23		Sterlite Solutions Support Letter
24		UMS Support Letter
25		LG CNS Support Letter
26		ERICSSON Support Letter
27		Indian Institute of Remote Sensing support letter
28	4.7	Academics Support Letters
29		IIT ROORKEE
30		IIT Kanpur Support Letter
31		IIT Kharagpur Support Letter
32		UPES
33		G.B. Pant University
34	4.8	Academic Suggestions on SCP (IIT & UPES)
35	4.9	Astley Hall MoU
36	4.10	FICCI MoU
37	4.11	ICLEI MoU
38	4.12	CITIZENS' ACTION GROUP (CAG) Smart Sustainable Dehradun & Citizen Action Group Support
39	4.13	Sewer Line Project Detail
40	4.14	Departmental Support Letters



4.1 Abbreviations

ADB	Asian Development Bank	LIG	Lower Income Group
AMRUT	Atal Mission for Rejuvenation and Urban Transformation	LPCD	Liters Per Capita Per Day
ANPR	Automatic Number Plate Recognition	MLCP	Multi Level Car Parking
AoA	Article of Association	MNRE	Ministry of New and Renewable Energy
BSUP	Basic Services for Urban Poor	MoA	Memorandum of Association
CCTV	Close Circuit Television	MT	Mid Term
CDP	Comprehensive Development Plan	NGO	Non Government Organisation
CII	Confederation of Indian Industry	NMT	Non Motorized Transport
CO ₂	Carbon Di-oxide	NRW	Non Revenue Water
CSR	Corporate Social Responsibility	O&M	Operation & Maintenance
DMC	Dehradun Municipal Corporation	PMAY	Prime Minister Awas Yojna
DPR	Detailed Project Report	PMKVY	Pradhan Mantri Kaushal Vikas Yojana
EF	Essential Feature	PPP	Public Private Partnership
EWS	Economically Weaker Section	RAY	Rajiv Awas Yojna
FRI	Forest Resource Institute	RFID	Radio Frequency Identification
G2B	Government to Business	RoW	Right of Way
G2C	Government to Citizen	RTO	Regional Transport Office
G2G	Government to Government	RWA	Residents Welfare Association
GDP	Gross Domestic Product	SBA	Swachchh Bharat Abhiyan
GHG	Green House Gases	SBM	Swachchh Bharat Mission
GIS	Geographical Information System	SCADA	Supervisory Control and Data Acquisition
Goi	Government of India	SCM	Smart City Mission
ICT	Information Communication Technology	SLB	Service Level Bench Mark
IEC	Information Education & Communication	SMS	Short Message Service
IMA	Indian Militart Academy	SP	Superintendent of Police
IMA	Indian Military Academy	SPOC	Single Point of Contact
INR	Indian National Rupees	SPV	Special Purpose Vehicle
IPDS	Integrated Power Development Scheme	SWM	Solid Waste Management
IT	Information Technology	SWOT	Strength Weakness Opportunity Threats
JnNURM	Jawaharlal Nehru National Urban Renewal Mission	T&D	Losses Transmission & Distribution Losses
KPI	Key Performance Indicators	ULB	Urban Local Bodies
LED	Light-emitting Diode	WTP	Water Treatment Plant

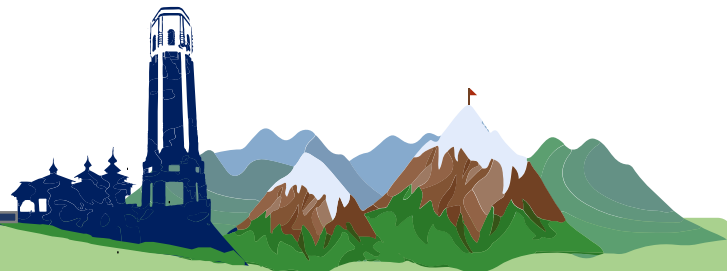


4.2

HPSC Approvals for SCP & Board Resolutions

1. SHPC : 14.12.2015
2. SHPC 19.04.2016
3. SHPC 28.06.2016
4. SHPC 30.03.2017

5. DMC board resolution: 11.12.2015
6. DMC board resolution : 11.04.2016
7. DMC board resolution : 28.06.2016
8. DMC board resolution: 30.03.2017



Minutes of meeting of state high powered steering committee on smart city

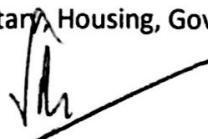
Agenda : Smart City Proposal For Dehradun

Date : March 30 2017

Chaired by : Chief Secretary

In the meeting following were present

- 1 Sri Vinod Chamoli, Hon'ble Mayor, Nagar Nigam Dehradun
- 2 Smt Radha Raturi, Principal Secretary, Finance Govt of UK
- 3 Dr Umakant Panwar, Principal Secretary, Energy, Govt of UA
- 4 Sri Harbans Singh Chugh, Secretary, Revenue, Govt. Of Uttarakhand
- 5 Sri Arvind Singh Hayanki, Secretary,PWD, Drinking Water and Urban Development, Government of Uttarakhand
- 6 Dr. V Shanamugam, Vice Chairman, MDDA / Nodal Officer Smart City
7. Sri Shridhar Babu Adanki, Addl. Secretary, Finance, Gov of UA
8. Sh Sushil Kumar, Addl. Secretary, Housing, Govt. Of Uttarakhand
9. Sri. B S Manral, Addl. Secretary, Planning, Govt of Uttarakhand
10. Sri J P Joshi, Addl. Secretary, Revenue, Govt of UK
11. Sri Arjun Singh, Addl. Secretary, Drinking Water, Dehradun
12. Ms Ravneet Cheema, Municipal Commissioner, Dehradun Nagar Nigam
13. Sri Navneet Pande, Addl Director, Urban Development
- 14 Sri Prabhat Raj, Chief Engineer, Pey Jal Nigam, Dehradun
13. Sri Atul Kumar Agrawal, D(O), UPCL
14. Sri Rajendra Goel, CE, DDN Zone, PWD
15. Sri Sanjay Singh Tolia, Jt. Sec., PWD, Government of UA
16. Sri K P Upreti, SE, PWD, Dehradun
17. Ms Neelima Garg, GM, V J S, Dehradun
18. Sri Lalit Mohan, Director SPL
19. Sri Subhash Chandra, Jt. Secretary Housing, Govt. Of Uttarakhand



The consultant PWC made a presentation outlining the changes proposed in the last Smart City Proposal (SCP) submitted on 29 June 2016.

1. The committee was in the agreement with the approach and methodology adopted during the revision and upgradation of SCP.
2. The exclusions and inclusions of the projects in SCP along with Rationale were discussed in detail.
3. The committee agreed on the conceptual details of the Area Based Projects and Pan City projects presented by the consultant.
4. The committee approved the Smart City Proposal and authorised the nodal officer, Smart City /Vice Chairman Mussoorie Dehradun Development Authority to submit the upgraded SCP to Ministry of Urban Development, Government of India.



(S Ramaswamy)
Chief Secretary

Government of Uttarakhand

Government of Uttarakhand
Department of Housing
No 376 /V-2-A-2017-120(Avas)/2015
Dehradun , Dated , 30 March 2017

Copy to :

1. Members of State High Powered Committee (SHPC) on Smart City
2. Guard File





(S Ramaswamy)
Chief Secretary

Government of Uttarakhand

नगर निगम अधिवेशन दिनांक 30.03.2017 जो मा० नगर प्रमुख श्री विनोद चमोली जी की अध्यक्षता में सम्पन्न हुआ, के प्रस्ताव सं०-1 की प्रमाणित प्रतिलिपि:-

प्रस्ताव	निर्णय
<p>भारत सरकार द्वारा देहरादून नगर को स्मार्ट सिटी के रूप में विकसित किये जाने सम्बन्धी घोषणा के क्रम में देहरादून को स्मार्ट सिटी बनाये जाने सम्बन्धी एम०डी०डी०ए० द्वारा प्रस्तुत स्मार्ट सिटी प्रोजेक्ट (एस०सी०पी०) पर विचार।</p>	<p>नगर निगम बोर्ड ने सर्वसम्मति से स्मार्ट सिटी प्रस्ताव में रेट्रोफिटिंग हेतु चयनित घंटाघर के आसपास सिटी कोर की 875 एकड़ क्षेत्रफल पर सहमति व्यक्त करते हुए संस्तुति प्रदान की।</p> <p>नगर निगम बोर्ड ने सर्वसम्मति से स्मार्ट सिटी प्रस्ताव (एस०सी०पी०) एवं एस०सी०पी० में निहित स्पेशल प्रपोज़ क्वीकल (एस०पी०वी०) की संरचना को संस्तुति प्रदान करते हुए, शहरी विकास मंत्रालय, भारत सरकार को प्रेषित किए जाने हेतु एस०सी०पी० को उचित पाते हुए संस्तुति प्रदान की गयी</p>


 (रवनीत चीमा)
 नगर आयुक्त,
 नगर निगम देहरादून।
 नगर आयुक्त
 नगर निगम, देहरादून


 (विनोद चमोली)
 नगर प्रमुख,
 नगर निगम देहरादून।
 (विनोद चमोली)
 मेयर
 नगर निगम, देहरादून

मुख्य सचिव, उत्तराखण्ड शासन की अध्यक्षता में दिनांक 14-12-2015 को स्मार्ट सिटी के सन्दर्भ में गठित उच्च स्तरीय समिति की बैठक का कार्यवृत्त:-

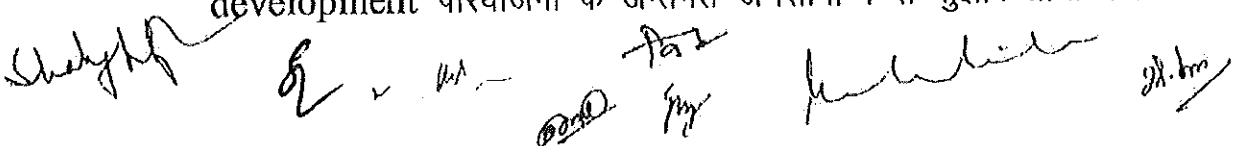
बैठक में निम्नलिखित अधिकारी/जनप्रतिनिधि उपस्थित हुए:-

- 1- श्री विनोद चमोली, मा0 मेयर, नगर निगम, देहरादून।
- 2- श्री उमाकान्त पंवार, सचिव, ऊर्जा विभाग, उत्तराखण्ड शासन।
- 3- श्री डी0एस0 गर्ब्याल, सचिव, शहरी विकास विभाग, लोकनिर्माण विभाग, उत्तराखण्ड शासन।
- 4- श्री एम0सी0 जोशी, सचिव, नियोजन/वित्त विभाग, उत्तराखण्ड शासन।
- 5- श्री आर0 मीनाक्षी सुन्दरम, प्रभारी सचिव, आवास/उपाध्यक्ष, मसूरी-देहरादून विकास प्राधिकरण, देहरादून।
- 6- श्री वी0 षण्मुगम, निदेशक, शहरी विकास निदेशालय, देहरादून।
- 7- श्री बी0आर0 टम्टा, अपर सचिव, चिकित्सा स्वास्थ्य एवं परिवार कल्याण, देहरादून।
- 8- श्री अर्जुन सिंह, अपर सचिव, पेयजल विभाग, उत्तराखण्ड शासन।

(1) प्रभारी सचिव, आवास ने अवगत कराया कि भारत सरकार द्वारा निर्धारित समय सूची के अनुसार स्मार्ट सिटी विषयक प्रस्ताव भारत सरकार में प्रेषित करने की अंतिम तिथि कल अर्थात् दिनांक 15.12.2015 है। अतः प्रस्ताव पर आज यदि सहमति नहीं बनी तो उत्तराखण्ड राज्य स्मार्ट सिटी परियोजना से वंचित रह जायेगा। मुख्य सचिव ने रामयाभाव पर अप्रसन्नता व्यक्त की। प्रभारी सचिव द्वारा अवगत कराया गया कि चूंकि नगर निगम बोर्ड द्वारा दिनांक 11.12.2015 को ही प्रस्ताव अनुमोदित किया गया है एवं दिनांक 12/13.12.2015 अवकाश थे, अतः इस परिस्थिति में उच्च स्तरीय समिति के समक्ष प्रस्ताव दिनांक 14.12.2015 से पूर्व विचारार्थ प्रस्तुत किया जाना सम्भव नहीं था।

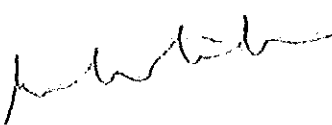




(2) प्रभारी सचिव, आवास ने समिति को अवगत कराया कि परियोजना का प्रस्ताव तैयार करने हेतु जन सामान्य से विस्तार में विचार-विमर्श किये गये तथा प्रस्तावित परियोजना पर बहुमत से लोगों ने सहमति व्यक्त की है।

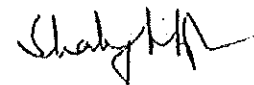
(3) कन्सल्टेंट प्राईस वाटर हाउस कूपर कम्पनी द्वारा उच्च स्तरीय समिति के समक्ष प्रस्ताव का प्रस्तुतीकरण किया गया। कम्पनी के प्रतिनिधि द्वारा अवगत कराया गया कि प्राधिकरण द्वारा Retrofitting, Redevelopment, Greenfield development परियोजना के अन्तर्गत जनसामान्य से सुझाव प्राप्त करने की



कार्यवाही की गयी। कम्पनी द्वारा जनसामान्य से Focused Group Discussion, MyGov Smart City Page, MDDA Portal एवं मीडिया कम्पेनिंग के द्वारा सुझाव प्राप्त किया गया, जिसके द्वारा लगभग 65,000 सुझाव प्राप्त हुए। साथ ही इस सम्बन्ध में 3-4 बार दैनिक समाचार पत्रों के माध्यम से विज्ञापन द्वारा एवं होर्डिंग्स के द्वारा भी सुझाव प्राप्त किये गये। कम्पनी के प्रतिनिधि द्वारा अवगत कराया गया कि जनसामान्य से प्राप्त सुझावों के दौरान यह पाया गया कि जनसामान्य द्वारा Retrofitting, Redevelopment, पर असहमति व्यक्त की गयी तथा टी-गार्डन में प्रस्तावित Greenfield development प्रोजेक्ट के सम्बन्ध में लगभग 65 प्रतिशत लोगों ने सहमति व्यक्त की।

- (4) कन्सलटेंट प्राईस वाटर हाउस कूपर कम्पनी द्वारा देहरादून सिटी का SWOT analysis प्रस्तुत किया गया, जिसपर उच्चस्तरीय समिति द्वारा सहमति व्यक्त की गयी। समिति द्वारा चयनित स्थल में Smart City Project के अन्तर्गत विकास हेतु प्रस्तावित प्रस्तावों/कार्यों पर सहमति व्यक्त की गयी।
- (5) स्मार्ट सिटी हेतु चयनित स्थल हेतु पहुंच के सम्बन्ध में पृच्छा करने पर कम्पनी के प्रतिनिधि द्वारा अवगत कराया गया कि स्थल हेतु शिमला बाईपास रोड एवं चकराता रोड से पहुंच की व्यवस्था प्रस्तावित होने के सम्बन्ध में अवगत कराया गया। समिति द्वारा यह सुझाव दिया गया कि पूर्व स्थापित आवासीय कालोनी में पहुँच उपलब्ध कराने की व्यवस्था से यथासम्भव बचा जाये।
- (6) भूमि कय के सम्बन्ध में उच्च स्तरीय समिति द्वारा पृच्छा करने पर अवगत कराया गया कि इस हेतु मा0 मंत्रिमण्डल की सहमति से आयुक्त, गढ़वाल मण्डल की अध्यक्षता में एक समिति का गठन किया गया है। यह भी अवगत कराया गया कि भू-स्वामी द्वारा भूमि के मूल्य के सम्बन्ध में समिति को अपना मत व्यक्त किया गया है, जिसके सम्बन्ध में मा0 मंत्रिमण्डल की सहमति से गठित समिति द्वारा ही अन्तिम निर्णय लिया जायेगा। समिति को बताया गया कि सम्प्रति एक अनुमानित लागत (Indicative cost) ही समिति के समक्ष प्रस्तुत किया गया है जोकि भू-स्वामियों की सहमति पर आधारित है। अंतिम मूल्य निर्धारण मा. मंत्रिमण्डल द्वारा गठित समिति द्वारा ही किया जायेगा। मुख्य सचिव द्वारा सुझाव दिया गया कि भूमि एवं इसके मूल्य निर्धारण की प्रचलित विधियों का अध्ययन करने के पश्चात् ही इस विषय पर अंतिम निर्णय लिया जाये।
- (7) उच्चस्तरीय समिति द्वारा भूमि कय करने से पूर्व सम्बन्धित विभागों/एजेन्सियों से सभी प्रकार की वैधानिक/प्रशासनिक (statutory/administrative) अनापत्ति/सहमति प्राप्त किये जाने के निर्देश दिये गये।

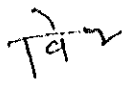


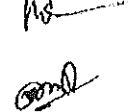


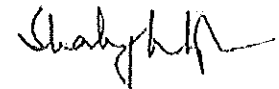
- (8) तोंगजी युनिवर्सिटी के चयन के सम्बन्ध में पृच्छा करने पर उपाध्यक्ष, मसूरी-देहरादून विकास प्राधिकरण द्वारा अवगत कराया गया कि उनके द्वारा जापान में क्योटो स्मार्ट सिटी एक्सपो में प्रतिभाग किया गया, जहां पर क्योटो सिटी द्वारा उत्तराखण्ड के शहरों में स्मार्ट सिटी की स्थापना एवं सिंगापुर के वरिष्ठ अधिकारियों द्वारा अभिरुचि दिखाई गयी। उपाध्यक्ष द्वारा यह भी अवगत कराया गया कि उनके द्वारा तोंगजी युनिवर्सिटी के आमंत्रण पर देहरादून को स्मार्ट सिटी के रूप में विकसित किये जाने के प्रस्ताव पर प्रस्तुतिकरण किया गया तथा साथ ही उनके द्वारा विकसित किए गये स्थलों का भी भ्रमण किया गया। स्मार्ट सिटी की स्थापना, विश्वस्तरीय अवस्थापना विकास तथा राज्य के परिवेश में जनोपयोगी भवनों के निर्माण में तोंगजी युनिवर्सिटी की दक्षता को देखते हुए देहरादून में स्मार्ट सिटी परियोजना विकास हेतु मा0 मंत्रिमण्डल की भी सहमति से तोंगजी युनिवर्सिटी को नामांकन के आधार पर चयनित करते हुए उत्तराखण्ड आवास एवं नगर विकास प्राधिकरण के साथ MOU सम्पादित किया गया।
- (9) उपाध्यक्ष, मसूरी-देहरादून विकास प्राधिकरण द्वारा अवगत कराया गया कि बिना कोई टेण्डर आमंत्रित किये/बिना पब्लिक नीलामी किए राज्य सरकार अथवा राज्य सरकार के अधीन कोई प्राधिकरण/अभिकरण, राज्य एवं जनहित में किसी प्रोजेक्ट हेतु सक्षम संस्था/एजेन्सी/कम्पनी के साथ ज्वाइंट वेंचर/अनुबन्ध कर नामित सकता है। उनके द्वारा इस सम्बन्ध में मा0 सर्वोच्च न्यायालय द्वारा विशेष अनुज्ञा याचिका संख्या-32507/2013 श्री पठान मोहम्मद सुलेमान रहमत खान बनाम गुजरात राज्य एवं अन्य में निर्धारित व्यवस्था को भी आधार लिया गया है। समिति द्वारा मत व्यक्त किया गया कि इस विषय पर मा. मंत्रिमण्डल द्वारा अंतिम निर्णय लिया जा चुका है अतः उसी निर्णय की परिधि में समिति को विचार करना होगा।
- (10) तोंगजी युनिवर्सिटी के साथ गठित संयुक्त उपक्रम में युनिवर्सिटी एवं ग्रेटर दून डेवलपमेंट अथॉरिटी(उत्तराखण्ड आवास एवं नगर विकास प्राधिकरण एवं मसूरी-देहरादून विकास प्राधिकरण के मध्य Special Purpose Vehicle) के मध्य equity हेतु 60:40 के अनुपात के सम्बन्ध में उच्च स्तरीय समिति द्वारा यह सुझाव दिया गया कि इस अनुपात को 74:26 के रूप में रखने पर विचार किया जाये तथा इस हेतु तोंगजी युनिवर्सिटी से पुनः वार्ता की जाये।
- (11) समिति द्वारा यह अभिमत व्यक्त किया गया कि भविष्य में एस0पी0वी0 में नगर निगम एवं अन्य सरकारी एजेन्सियों को भी यथा आवश्यकतानुसार सम्मिलित किये जाने पर विचार किया जाये।

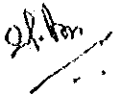






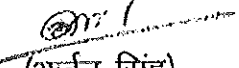


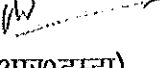





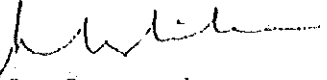
- (12) समिति को बताया गया कि वर्तमान प्रस्ताव एक Concept Proposal के रूप में ही है ताकि भारत सरकार द्वारा स्मार्ट सिटी मिशन के अंतर्गत शहरों का चयन किया जा सके। शहर के चयन के पश्चात् ही डी0पी0आर0 बनाने की प्रक्रिया प्रारम्भ की जायेगी।


समिति द्वारा उपर्युक्त संवीक्षाओं के साथ प्रस्ताव पर सहमति व्यक्त की गई।



(अर्जुन सिंह)
अपर सचिव।



(बी0आर0टम्टा)
अपर सचिव।

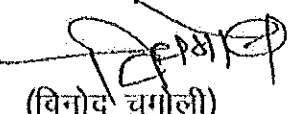

(वी षणमुमम)
अपर सचिव।



(आर0 मीनाक्षी सुन्दरम)
प्रभारी सचिव, आवास


(डॉ0 एम0सी0 जोशी)
सचिव, वित्त/नियोजन


(डी0एस0 गार्ब्याल)
सचिव, शहरी विकास/
लोक निर्माण विभाग।


(डॉ0 उमाकान्त पंवार)
प्रमुख सचिव, ऊर्जा विभाग


(विनोद चगोली)
मेयर



(शत्रुघ्न सिंह)
मुख्य सचिव।

उत्तराखण्ड शासन
आवास विभाग
संख्या : 255 / वी-आ-2015
देहरादून : दिनांक 14 दिसम्बर, 2015

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- (1) बैठक में उपस्थित जनप्रतिनिध/अधिकारीगण।
- (2) गार्ड बुक।

आज्ञा से,


(आर0 मीनाक्षी सुन्दरम)
प्रभारी सचिव।

उत्तराखण्ड शासन
शहरी विकास अनुभाग-2

संख्या:- 896/IV(2)-श0वि0-15-74(सामा0)/14

देहरादून : दिनांक: 21 जुलाई, 2015

कार्यालय ज्ञाप।

भारत सरकार के प्लैगशिप कार्यक्रम " स्मार्ट सिटी मिशन " के अर्न्तगत देहरादून शहर को स्मार्ट सिटी बनाये जाने हेतु निम्नानुसार " अन्तर विभागीय समन्वय समिति ^{का बैठक} का गठन किया जाता है :-

- 1- श्री आर मीनाक्षी सुन्दरम, प्रभारी सचिव, उत्तराखण्ड शासन उपाध्यक्ष, मसूरी-देहरादून विकास प्राधिकरण (नोडल अधिकारी स्मार्ट सिटी) अध्यक्ष।
- 2- जिलाधिकारी, देहरादून सदस्य।
- 3- प्रभारी वनाधिकारी, देहरादून सदस्य।
- 3- वरिष्ठ पुलिस अधीक्षक, देहरादून सदस्य।
- 4- मुख्य नगर अधिकारी, नगर निगम, देहरादून सदस्य सचिव।
- 5- मुख्य नगर नियोजक, ग्राम एवं नगर नियोजन सदस्य।
- 6- मुख्य चिकित्साधिकारी, देहरादून सदस्य।
- 7- मुख्य शिक्षा अधिकारी, देहरादून सदस्य।
- 5- अधीक्षण अभियन्ता, लोक निर्माण विभाग, देहरादून सदस्य।
- 6- महाप्रबन्धक, उत्तराखण्ड ऊर्जा निगम, देहरादून सदस्य।
- 7- अधीक्षण अभियन्ता, सिंचाई, देहरादून सदस्य।
- 8- अधीक्षण अभियन्ता, उत्तराखण्ड पेयजल निगम, देहरादून सदस्य।
- 9- महाप्रबन्धक, उत्तराखण्ड जल संस्थान, देहरादून सदस्य।
- 10- मुख्य पर्यावरण अधिकारी, उ0 प्रदूषण नियंत्रण बोर्ड, देहरादून सदस्य।
- 11- श्री रवि पाण्डेय, अधिशासी अभियन्ता, श0वि0निदेशालय (नोडल अधिकारी, स्मार्ट सिटी मिशन, निदेशालय स्तर) सदस्य।

1- उक्त समिति द्वारा "स्मार्ट सिटी मिशन" के सम्बन्ध में भारत सरकार एवं राज्य सरकार के स्तर से समय-समय पर दिये गये दिशा-निर्देशों के अनुरूप क्रियान्वयन एवं अनुश्रवण किा जायेगा।

(डी0एस0 गबर्वाल)
सचिव।

उत्तराखण्ड शासन
शहरी विकास अनुभाग-2
संख्या: 735/IV(2)-2015-74(सा0)-2014
देहरादून : दिनांक ०४ जुलाई, 2015

कार्यालय-ज्ञाप

भारत सरकार के 02 प्लैगशिप कार्यक्रम के अन्तर्गत "स्मार्ट सिटी मिशन" का चिन्हिकरण प्रथम चरण में 31 जुलाई, 2015 तक किया जाना है। अतः "स्मार्ट सिटी मिशन" के क्रियान्वयन हेतु राज्य स्तर पर निम्नानुसार High Powered Steering Committee (HPSC) गठित की जाती है:-

क्र०सं०	पदनाम	समिति के पदाधिकारीगण
01	मुख्य सचिव, उत्तराखण्ड शासन।	अध्यक्ष
02	अपर मुख्य सचिव/प्रमुख सचिव/सचिव, वित्त विभाग, उत्तराखण्ड शासन।	सदस्य
03	प्रमुख सचिव/सचिव, शहरी विकास विभाग, उत्तराखण्ड शासन।	सदस्य-सचिव
04	प्रमुख सचिव/सचिव, नियोजन विभाग, उत्तराखण्ड शासन।	सदस्य
05	प्रमुख सचिव/सचिव, लोक निर्माण विभाग, उत्तराखण्ड शासन।	सदस्य
06	प्रमुख सचिव/सचिव, पेयजल विभाग, उत्तराखण्ड शासन।	सदस्य
07	प्रमुख सचिव/सचिव, उर्जा विभाग, उत्तराखण्ड शासन।	सदस्य
08	प्रमुख सचिव/सचिव, चिकित्सा स्वास्थ्य एवं परिवार कल्याण विभाग, उत्तराखण्ड शासन।	सदस्य
09	प्रमुख सचिव/सचिव, सजस्य विभाग, उत्तराखण्ड शासन।	सदस्य
10	प्रमुख सचिव/सचिव, आवास विभाग, उत्तराखण्ड शासन।	सदस्य
11	शहरी विकास मंत्रालय, भारत सरकार द्वारा नामित प्रतिनिधि।	सदस्य
12	मा० मेयर, नगर निगम हरिद्वार	सदस्य
13	उपाध्यक्ष, एम०डी०डी०ए०/नोडल अधिकारी, स्मार्ट सिटी, देहरादून।	सदस्य
14	निदेशक, शहरी विकास निदेशालय, देहरादून।	सदस्य
15	मुख्य नगर नियोजक, ग्राम एवं नगर नियोजन विभाग, उत्तराखण्ड, देहरादून।	सदस्य
16	मुख्य नगर अधिकारी, नगर निगम, देहरादून।	सदस्य

2- उक्त समिति भारत सरकार द्वारा समय-समय पर निर्गत "स्मार्ट सिटी मिशन" से सम्बन्धित दिशा-निर्देशों के अनुरूप कार्यवाही करेगी।

N. Ranjiv Shankar
(एन० रवि शंकर)
०८ मुख्य सचिव।

संख्या: 735/IV(2)-2015-74(सा०)-2014 तददिनांक।

प्रतिलिपि : निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

- 1- निजी सचिव-मुख्य सचिव को मुख्य सचिव, उत्तराखण्ड शासन के संज्ञानार्थ।
- 2- सबन्धित सदस्यगण।
- 3- गार्ड फाईल।

(ओमकार सिंह)
०८ संयुक्त सचिव।

०/८

Minutes of meeting of State High Powered Committie held on
19-4-2016 in Chairmanship of Chief Secretary

In this meeting following were present:-

1. Sri Vinod Chamoli, Hon'ble Mayor, Nagar Nigam, Dehradun.
 2. Sri Om Prakash, Principal Secretary, Health, Government of Uttarakhand
 3. Sri Uma Kant Panwar, Principal Secretary, Power, Government of Uttarakhand
 4. Sri R M Sundaram, Secretary, Housing, & Nodal officer, Smart City Dehradun, Government of Uttarakhand
 5. Sri A S Hyanki, Secretary, PWD, Government of Uttarakhand
 6. Sri Nitin Bhadoria, Municipal Commissioner, Dehradun Municipal Corporation
 7. Sri Arjun Singh, Additional Secretary, Pey Jal
 8. Sri J P Joshi, Additional Secretary, Revenue, Government of Uttarakhand
 9. Sri Navneet Pande, Additional Director, Urban development Directorate
 10. Sri S K Gupta, CGM, Jal Sansthan
 11. Sri S K Pant, CTCP, Uttarakhand
 12. Sri K K Jain, Chief Engineer, PWD
 13. Sri Omkar Singh, Joint Secretary, Urban Development
 14. Sri Ravi Pandey, Executive Engineer
 15. Sri S M Srivastava, ATP, Uttarakhand
- (1). The consultant (PwC) made a presentation outlining the changes proposed in compliance of the Ministry of Urban Development's comments on the Smart City Proposal submitted earlier. The committee was broadly in agreement with the approach and methodology adopted during the revision of the SCP including the approach adopted in conducting



extensive citizen consultations, SWOT analysis, and identifying the projects based on SWOT profile that is aligned with the Sustainable Development Goals of the UN.

- (2). The committee agreed that planning city extensions on the proposed by-passes as per the master plan and Comprehensive Mobility plans for the city, would be a long-term plan through commitment from State Government, so not to be included in SCP.
- (3). The idea of connecting Dehradun with gas based energy pipeline was discussed. It was informed that GAIL representative (in one of the technology workshop conducted towards the revision of the SCP), had mentioned their initiative of undertaking the pipeline up to Dehradun has been approved by GAIL, however it has been kept on hold because of the absence of anchor/bulk customer (at least 0.5 metric million standard cubic meter per day). The cascade approach or City Gas Distribution Network (CGDN) approach could be undertaken for retail customers. This initiative would be explored along with the pipeline based approach in the medium and long-term plan to be funded by the State Government outside the Smart City Proposal.
- (4). The committee agreed on the rationale for selecting retrofitting as the area based development project, and the consideration of the particular zone along with the said area of around 4300 acres under retrofitting component for the SCP. The committee advised to append the rationale on the three issues as detailed annexure to the revised SCP.




- (5). The committee agreed on the details of Area Based Development Projects and the PAN city projects presented by the consultant.
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- (6). In case of the proposed cycle tracks and walkways in Yamuna Colony, Vasant Vihar and Indira nagar, the consultant presented them as integrated project. The Hon'ble Mayor advised to consider them as separate areas, since vasant vihar and Indira Nagar are two separate wards.
- (7). The committee agreed on setting up of the proposed Command & Control center at the Dehradun Nagar Nigam Office complex.
- (8). It was decided that the Special Purpose Vehicle (SPV) structure would have 50 per cent equity contribution from Dehradun Municipal Corporation and 50 per cent from Mussoorie Dehradun Development Authority (MDDA). The Government of India grant under the Smart City mission would be taken as the equity contribution of Dehradun Municipal Corporation. The State Government would make budget allocation for the equity contribution of MDDA in the proposed SPV.
- (9). The SPV would be supported by an advisory body consisting of civil society members e.g. Citizen Action Group (an umbrella organization of around 27 civil society organisations, RWAs and other eminent academics and citizens of Dehradun). The Hon'ble Mayor of Dehradun would be the chairman of the advisory body.
- (10). The committee noted and agreed that the relevant parastatals would be working in close co-ordination with the SPV that would be set up for the Smart City Mission.



(11). The Smart City Proposal for Dehradun has policy level interventions and Project specific interventions towards making Dehradun a smart city. The Committee agreed on implementing the Policy level initiatives through relevant Government orders. Accordingly Government orders would be issued on the following:

- a. Rainwater harvesting and ground water recharge and water recycle plant in commercial complex
- b. Solar Roof tops
- c. Penalty on spitting on public spaces
- d. ICT enabled school buses, guidelines to schools to enhance the number of school buses and penalties for shared commercial vehicles run as school buses in case of breaching the occupancy norms.
- e. Recreation of green covers in the city through Urban Forestry, and targeted drives by MDDA, DMC and the SPV.
- f. Disable friendly Government & Private commercial buildings.
- g. Polluter pay principle viz. STP, drainage etc
- h. Green cess on diesel vehicle (tied up to environment protection act)
- i. Property tax enhancement
- j. Variable parking fee
- k. Budget allocation by State government for SPV

The committee approved the Smart City Proposal (SCP) and authorised the Nodal officer, Smart City, Dehradun/ Secretary, Housing, Government of Uttarakhand to submit the SCP to Ministry of Urban development, Government of India.


(Shatrughna Singh)
Chief Secretary


Government of Uttarakhand
Housing Department

No: 585-V-2016-120(A)-2015

Dehradun, Dated: 19.04.2016

Copy to:

1. Members of State High Powered Committee
2. Guard File


(R M Sundaram)
Secretary, Housing

Minutes of the meeting of State High Powered Committee on Smart City

Agenda: Smart City Proposal for Dehradun

Date: 28.06.2016

Chaired by: Chief Secretary

In the meeting following were present:

1. Sri Vinod Chamoli, Hon'ble Mayor, Nagar Nigam Dehradun
2. Sri D.S. Garbayal, Secretary, Urban Development
3. Sri R.M. Sundaram, Secretary, Housing & Nodal Officer, Smart City, Dehradun
4. Sri Ranjit Sinha, Additional Secretary, Planning
5. Sri Nitin Bhadoria, Additional Secretary, Urban Development/Municipal Commissioner, Dehradun Nagar Nigam
6. Sri Neeraj Khairwal, Additional Secretary, Health
7. Sri A.S. Chauhan, Additional Secretary, Finance
8. Sri Arjun Singh, Additional Secretary, P.W.D
9. Sri S.K. Pant, Chief Town & Country Planner
10. Sri Subodh Kumar, S.E. Jal Sansthan
11. Sri Atul Kumar Agarwal, Director (O) UPCL
12. Sri N.S. Bisht, S.E. PeyJal Nigam

1. The consultant (PwC) made a presentation outlining the changes proposed in compliance of the Ministry of urban Development's comments on the smart city proposal (SCP) submitted on 21.04.2016.
2. The consultant presented the revised area for "Area Based Development" projects under SCP, measuring 875 acres of the city core around the Clock Tower.
3. The committee was in agreement with the approach & methodology adopted during the revision and up-gradation of the SCP.
4. The exclusions and inclusions of the projects in SCP along with rationale were discussed.
5. The committee agreed on the conceptual details of the Area based projects and PAN city projects presented by the consultant.
6. The Hon'ble Mayor suggested that the rejuvenation plan of Tehsil to include the project affected approx. 100 shops in the proposed built up

of MLCP. The committee agreed on the suggestion and directed the consultant to make necessary changes in the plan.

7. The committee approved the Smart City proposal (SCP) and authorized the Nodal Officer, Smart City, Dehradun/Secretary, Housing, Government of Uttarakhand to submit the upgraded SCP to Ministry of Urban Development, Government of India.



(Shatrughna Singh)

Chief Secretary

Government of Uttarakhand

Government of Uttarakhand
Housing Department

No:

Dehradun, Dated: 28.06.2016

Copy to:

1. Members of State High Powered Committee (SHPSC) on Smart City
2. Guard File



(R.M. Sundaram)

Secretary, Housing

Government of Uttarakhand

नगर निगम अधिवेशन दिनांक 28.06.2016 जो मा0 नगर प्रमुख श्री विनोद चमोली जी की अध्यक्षता में सम्पन्न हुआ, के प्रस्ताव सं0-2 की प्रमाणित प्रतिलिपि:-

प्रस्ताव	निर्णय
भारत सरकार द्वारा देहरादून नगर को स्मार्ट सिटी के रूप में विकसित किये जाने सम्बन्धी घोषणा के क्रम में देहरादून को स्मार्ट सिटी बनाये जाने सम्बन्धी एम0डी0डी0ए0 द्वारा प्रस्तुत स्मार्ट सिटी प्रपोजल (एस0सी0पी0) पर विचार।	<p>नगर निगम बोर्ड ने सर्वसम्मति से स्मार्ट सिटी प्रस्ताव में रेट्रोफिटिंग हेतु चयनित घंटाघर के आसपास सिटी कोर की 875 एकड़ भूमि पर सहमति व्यक्त करते हुए संस्तुति प्रदान की।</p> <p>नगर निगम बोर्ड ने सर्वसम्मति से स्मार्ट सिटी प्रस्ताव (एस0सी0पी0) एवं एस0सी0पी0 में निहित स्पेशल प्रपज ड्रीकल (एस0पी0वी0) की संरचना को संस्तुति प्रदान करते हुए, शहरी विकास मंत्रालय, भारत सरकार को प्रेषित किए जाने हेतु एस0सी0पी0 को उचित पाया।</p>


(नितिन सिंह भदौरिया)
नगर आयुक्त,
नगर निगम देहरादून।
नगर आयुक्त
नगर निगम देहरादून


(विनोद चमोली)
नगर प्रमुख,
नगर निगम देहरादून।
मेयर
नगर निगम, देहरादून

नगर निगम अधिवेशन जो मा० नगर प्रमुख श्री विनोद
चमोली की अध्यक्षता में
दिनांक 11.04.16 को सम्पन्न हुआ, का कार्यवृत्त

उपस्थिति :

- 1 श्रीमती रोशन बाला, मा० सभासद
- 2 श्रीमती नीतू, मा० सभासद
- 3 श्रीमती दया जोशी, मा० सभासद
- 4 श्री भूपेन्द्र सिंह कठैत, मा० सभासद
- 5 श्रीमती सरोज पंवार, मा० सभासद
- 6 श्री रमेश बुटोला (रम्मू), मा० सभासद
- 7 श्री निखिल कुमार, मा० सभासद
- 8 श्रीमती नन्दनी शर्मा, मा० सभासद
- 9 श्रीमती रानी कौर, मा० सभासद
- 10 श्री विनय कोहली, मा० सभासद
- 11 डॉ० विजेन्द्र पाल सिंह, मा० सभासद
- 12 श्री अर्जुन सोनकर, मा० सभासद
- 13 श्री देवेन्द्र पाल सिंह, मा० सभासद
- 14 श्री अरुण खन्ना, मा० सभासद
- 15 श्रीमती चरनजीत कौर नागपाल, मा० सभासद
- 16 श्री अशोक कोहली, मा० सभासद
- 17 श्री विपिन कुमार चंचल, मा० सभासद
- 18 श्री नीनू सहगल, मा० सभासद
- 19 श्री अजय सिंघल, मा० सभासद
- 20 श्री राजेश चौधरी, मा० सभासद
- 21 श्री राकेश मंजखोला, मा० सभासद
- 22 श्रीमती बीना उनियाल, मा० सभासद
- 23 श्रीमती नीरू भट्ट, मा० सभासद
- 24 श्री ललित भद्री, मा० सभासद
- 25 श्री मनमोहन सिंह धनई, मा० सभासद
- 26 श्रीमती सोनू उनियाल, मा० सभासद
- 27 श्रीमती राखी बड़थवाल, मा० सभासद
- 28 श्री राजकुमार कक्कड़, मा० सभासद
- 29 श्रीमती अमिता देवी, मा० सभासद
- 30 श्री महिपाल धीमान, मा० सभासद
- 31 श्री सतीश कश्यप, मा० सभासद



- 32 श्री नीरज सेठी, मा0 सभासद
 33 श्रीमती गुलिस्ता अंसारी, मा0 सभासद
 34 श्री सुनील कुमार, मा0 सभासद
 35 श्री ओमेन्द्र सिंह भाटी, मा0 सभासद
 36 श्री राजेश सिंह पुण्डीर, मा0 सभासद
 37 श्रीमती मीरा कठैत, मा0 सभासद
 38 श्रीमती अन्जू बिष्ट, मा0 सभासद
 39 श्रीमती अमिता सिंह, मा0 सभासद
 40 श्रीमती अनीता सिंह, मा0 सभासद
 41 श्री जगदीश धीमान, मा0 सभासद
 42 श्रीमती नेहा गुप्ता, मा0 सभासद
 43 श्री चरणजीत, मा0 सभासद
 44 श्रीमती बीना बिष्ट, मा0 सभासद
 45 श्रीमती शारदा गुप्ता, मा0 सभासद
 46 श्रीमती गंगा क्षेत्री, मा0 सभासद
 47 श्री विकास चौहान, मा0 नामित सदस्य
 48 श्री तौसीर अहमद, मा0 नामित सदस्य
 49 श्री रामू पाण्डे, मा0 नामित सदस्य
 50 श्री अजय शर्मा, मा0 नामित सदस्य

मा0 नगर प्रमुख की अनुमति से अधिवेशन की कार्यवाही प्रारम्भ की गई।

प्र0सं0-1	गत नगर निगम अधिवेशन की कार्यवाही की पुष्टि।	सर्वसम्मति से गत अधिवेशन की कार्यवाही की पुष्टि की गई। गत अधिवेशन में धोरणखास में पुलिया निर्माण हेतु प्रदत्त स्वीकृति पर पुनः चर्चा हुई। चर्चा उपरान्त सर्वसम्मति से प्रस्ताव स्वीकार किया गया व पुष्टि की गयी।
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सदन में एम0डी0डी0ए0 द्वारा प्रस्तुत स्मार्ट सिटी योजना के प्रस्ताव पर विचार-विमर्श किया गया। एम0डी0डी0ए0 के अधिकारियों द्वारा सदन को अवगत कराया गया कि स्मार्ट सिटी योजना के अन्तर्गत दिनांक 04.04.16 को सम्पन्न हुए नगर निगम अधिवेशन में सदन द्वारा दिये गये सुझावों को सम्मिलित करते हुए प्रस्ताव तैयार किया गया है। सदन द्वारा विचारोपरान्त सर्वसम्मति से निम्नानुसार प्रस्ताव स्वीकार किया गया।


प्र0सं0-2	भारत सरकार द्वारा देहरादून नगर को स्मार्ट सिटी के रूप में विकसित किये जाने सम्बन्धी घोषणा के क्रम में देहरादून को स्मार्ट सिटी बनाये जाने सम्बन्धी स्मार्ट सिटी प्रोजेक्ट (SCP) पर विचार तथा (SPVs) के गठन पर विचार।	विचारोपरान्त प्रस्ताव सर्वसम्मति से यथाप्रस्तावित स्वीकार किया गया।
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प्रमुख ने कहा कि उनके वार्ड में यदि कोई कलैक्शन का कार्य करने को तैयार है तो उसे लाये और कार्य करायें। मा0 सभासद श्री नीरज सेठी ने कहा कि नालागैंग कार्य नहीं कर रही हैं, वार्ड में 10 आदमी भेजने की बात कहते हैं परन्तु 2 या 3 ही आते हैं और वह भी कार्य नहीं करते हैं जांच करायी जानी चाहिए, नाला गैंग में आदमी हैं भी या नहीं। मा0 सभासद श्री ओमेन्द्र भाटी ने कहा कि नाला गैंग कोई कार्य नहीं करती, उनके वार्ड में 3 सफाई कर्मचारी सालों से नहीं आ रहे हैं, उनके द्वारा सभी अधिकारियों को लिखकर दिया गया परन्तु कोई कार्यवाही नहीं हुई, इसकी जांच करायी जाय। मा0 सभासद श्रीमती अमिता देवी ने कहा कि उनके वार्ड में सफाई ठीक हो रही है, सीवर लाईन डाले जाने से सफाई का कार्य भी बाधित हो रहा है। मा0 नगर प्रमुख ने कहा कि जिलाधिकारी ने सभी विभागों से कार्य के उपरान्त नालियों को शी क्लीयर करने के निर्देश दिये हैं, पहले सफाई हेतु वार्डों में बीट होती थी, जिसमें कर्मचारी सफाई, कूड़ा उठान, दुलाई, नालियों की सफाई करते थे अब इस कार्य को तीन-तीन लोग कर रहे हैं। सुपरवाइजर्स को सफाई कर्मचारी की बीट तय कर सफाई, कूड़ा उठान एवं नाली की सफाई का कार्य कराना चाहिए, नाला गैंग वार्डों में न लगाकर बड़े नालों में लगाया जाय। मा0 सभासद श्री अजय सिंघल ने कहा कि सफाई कर्मचारी कूड़ा इकट्ठा कर जला देते हैं कार्यवाही की जानी चाहिए, एन0जी0टी0 के भी कड़े निर्देश हैं, ठेलियां छोटी हैं साईज बड़ा मंगवाया जाय। 25 प्रतिशत कर्मचारी कार्य पर नहीं आते हैं। मा0 नगर प्रमुख ने सभी 60 वार्डों में फागिंग की व्यवस्था करायी जाय। मा0 सभासद श्री विपिन चंचल ने कहा कि कर्मचारियों और सुपरवाइजर्स को टाईट किया जाना चाहिए। मा0 सभासद डॉ0 बिजेन्द्र पाल ने कहा कि कई बार शिकायत की गयी पर वह सुनते नहीं हैं, एक डस्टविन में 4 वार्डों का कूड़ा डाला जा रहा है। मा0 नगर प्रमुख द्वारा वरिष्ठ नगर स्वास्थ्य अधिकारी को सभी बिन्दुओं पर समुचित कार्यवाही किये जाने हेतु निर्देश दिये गये।

- 23(6) कतिपय मा0 सभासदों ने कहा कि जिन वार्डों में दरें कम करने का प्रस्ताव शासन को गया था अब उनसे टैक्स जमा कराया जा रहा है उनको छूट का प्राविधान किया जाय। मा0 नगर प्रमुख द्वारा निम्नानुसार कार्यवाही करने हेतु निर्देश दिये गये।

तदोपरान्त मा0 नगर प्रमुख द्वारा अधिवेशन समाप्ति की घोषणा की गई।



नगर आयुक्त
नगर निगम, देहरादून।

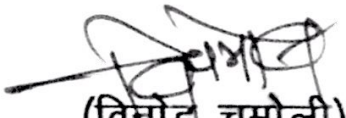

नगर प्रमुख
नगर निगम, देहरादून।

नगर निगम अधिवेशन दिनांक 11.12.2015 जो मा0 नगर
प्रमुख श्री विनोद चमोली जी की

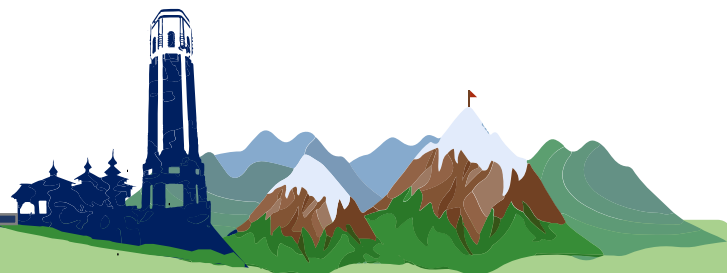
अध्यक्षता में सम्पन्न हुआ, में पारित प्रस्ताव सं0-1 की
प्रमाणित प्रतिलिपि

प्रस्ताव	निर्णय
भारत सरकार द्वारा देहरादून नगर को स्मार्ट सिटी के रूप में विकसित किये जाने सम्बन्धी घोषणा के क्रम में देहरादून को स्मार्ट सिटी बनाये जाने सम्बन्धी स्मार्ट सिटी प्रपोजल (SCP) पर विचार तथा (SPVs) के गठन पर विचार।	विचारोपरान्त प्रस्ताव सर्वसम्मति से यथाप्रस्तावित स्वीकार किया गया।


(नितिन सिंह भदौरिया)
नगर आयुक्त
नगर निगम देहरादून।
नगर आयुक्त
नगर निगम देहरादून


(विनोद चमोली)
नगर प्रमुख
नगर निगम देहरादून।
मेयर
नगर निगम, देहरादून

4.3 Project Underground Bins and DWMPL Scope



SEMI-UNDER / UNDERGROUND BINS,
GROUND



उत्तराखण्ड UTTARAKHAND

N 732682

Contract Agreement

This Contract Agreement (the "Agreement" or the "Contract") Nagar Nigam Dehradun ("Municipal Corporation") having its office Near Doon Hospital, New Road, Dehradun District, Uttarakhand- 248 001

And

between M/s. Zonta Infratech Pvt. Ltd ("Successful Tenderer"), having its principal offices at First Floor, Reliaable Phoenix Towers, 16 & 16/1, Museum Road, Bangalore- 560001, Karnataka ("Successful Tenderer")

WITNESSETH

WHEREAS, MUNICIPAL CORPORATION desires to establish undertake the project involving the "Supply, Delivery and Installation of Modern Underground Waste Collection System at Designated Locations in Nagar Nigam Dehradun";

WHEREAS, Successful Tenderer is engaged in the business of Supply and installation of modern underground bins across India;

WHEREAS, the MUNICIPAL CORPORATION is a government body that selects the Successful Tenderer, negotiate and sign the Contract, and administer all contractual responsibilities on their behalf;

WHEREAS, Successful Tenderer has submitted a response to the Tender Inviting Authority pertaining to the Supply, Delivery and Installation of Modern Underground Waste Collection Bins at Designated Locations in Nagar Nigam Dehradun ; and



Abhishek Kumar

Ramesh Singh
रमेश सिंह चौहान
सामाजिक विकास विशेषज्ञ
सेनेटरीय मैंगल

WHEREAS, Tender Inviting Authority relying on the tender submitted by the Successful Tenderer and based on the representations made by the Successful Tenderer issued Letter Of Acceptance to the Successful Tenderer and the parties have hence agreed to execute this Contract.

THEREFORE, the parties agree as follows:

The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.

- (a) Schedule A: Letter of Acceptance
- (b) Schedule B: Key Technical and Financial Schedules
- (c) Schedule C: Conditions of Contract (Section 1 to 3)
- (d) Schedule D: Supplementary Information, if any

IN WITNESS HEREOF, the parties below execute this Agreement.

Authorized Signatory of successful tenderer
Name:

Designation:

Address:

Date:

Witness:

Name:

Address:

Authorized Signatory of the Municipal Corporation
Name:

Designation:

Address:

Date:

Witness:

Name:

Address:

[Handwritten signature]

Regional Manager
2nd Floor, Reliable Towers
H/161, Museum Road
Bangalore - 560001

[Handwritten signature]
Sunil Singh

[Handwritten signature]

रमेश चंद्र शर्मा
सामाजिक विकास विशेषज्ञ
प्रधान, विकास विभाग
जन सेवा केंद्र, बंगलूर

[Handwritten signature]

B.K. Agarral
O.S.

Municipal Corporation Dehradun

Telephone - 0135-2655620, 265352, 2658204

Fax - 0135-2651061

Website - www.nagarnigamdehradun.com

E-mail nagar_nigam2008@yahoo.com, nagarnigam.ddn@gmail.com

Toll free - 1800-180-4153, Control Room - 1800-180-4206



Letter No.: 296/ProjCell/2016

Date: 11/07/016

Tender No.: 206/Project Cell/2016

Date: 06/03/2016

Tender Title: Supply, Delivery and Installation of Modern under Ground Waste Collection Bins at Designated Locations in Dehradun Municipal Corporation.

M/s. Zonta Infratech Pvt. Ltd.
1st Floor, Reliable Phoenix Towers, #16 & 16/1,
Museum Road, Bangalore - 560001

We are pleased to issue this Letter of Award ("LoA") in response to your tender no. 206/Project Cell/2016 dated 06/03/2016 and subsequent negotiations in relation to the "Supply, Delivery and Installation of Modern Underground/ Semi Underground Waste Collection Bins of given numbers at Designated Locations in Dehradun Municipal Corporation" as envisaged by the Tender Inviting Authority, under the terms and conditions set forth in your Tender and in the LoI hereof.

The undersigned "Tender Inviting Authority" on behalf of, intends to enter into a Contract Agreement with you following this LoA.

The Tender Inviting Authority reserves the right to terminate this LoA or decide not to enter into the Contract Agreement in future, in accordance with the Tender conditions. You are requested to sign and send us a copy of this LoA as a token of your acceptance.

Yours Sincerely

(Nitin Singh Bhadauria)
IAS

Municipal Commissioner
Municipal Corporation Dehradun

*Received on dated 11/07/16
Sunil (Sunil Singh)
Site Engg
Zonta Infratech Pvt. Ltd.
O/C*



App.

रमेश चंद्र शर्मा
सामाजिक प्रशासन विशेषज्ञ
प्रधान, नगर निगम देहरादून
[Signature]

Concession Agreement

between

**Nagar Nigam Dehradun , Government
of Uttarakhand
('NND') acting
through**

Municipal Commissioner

And

Ramky Enviro Engineers Ltd.

(Concessionaire)

For

**Solid Waste Processing, Composting and Scientific
Landfill (SLF) Disposal System
in Build, Operate and Transfer mode (BOT) at
Sheeshambada, Dehradun**

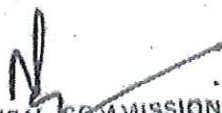


MUNICIPAL COMMISSIONER
DEHRA DUN (U.A.)




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 Dehradun Nagar Nigam
 Dehradun (U.S.)
 Concession Agreement – August 2016


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DEHRA DUN (U.A.)



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MUNICIPAL COMMISSIONER
DEHRA DUN (U.A.)



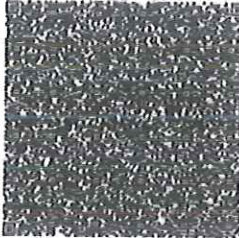



सत्यमेव जयते

INDIA NON JUDICIAL
Government of Uttarakhand

e-Stamp

Certificate No. : IN-UK061759215542230
Certificate Issued Date : 26-Aug-2016 03:15 PM
Account Reference : NONACC (SV)/ uk1221504/ DEHRADUN/ UK-DH
Unique Doc. Reference : SUBIN-UKUK1221504121955025320510
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Description of Document : Article Miscellaneous
Property Description : NA
Consideration Price (Rs.) : 0
(Zero)
First Party : RAMKY ENVIRO ENGINEERS LIMITED
Second Party : NA
Stamp Duty Paid By : RAMKY ENVIRO ENGINEERS LIMITED
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



अपार सिंगल
रामकी एन्विरो
इंजीनियर्स लिमिटेड, देहरादून

.....Please write or type below this line.....

This CONCESSION AGREEMENT made on this 26 day of August 2016 at Nagar Nigam, Dehradun,

BETWEEN

Nagar Nigam Dehradun , Government of Uttarakhand, having its registered office at 1, Patel Road, Dehradun - 248 001, hereinafter referred to as "the Concessioneing Authority" or "NND" which expression shall unless repugnant to the context include the successors and assigns, on the one part

AND

MUNICIPAL COMMISSIONER
DEHRA DUN (U.A.)

Primal Raddy



Statutory Alert:

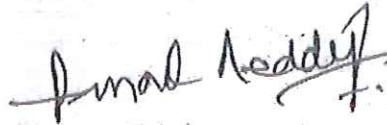
1. The authenticity of this Stamp Certificate should be verified at 'www.sholestamp.com'. Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

IN WITNESS WHEREOF THE, PARTIES HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED
SEALED
AND
DELIVERED

For and on behalf of NND by:

For and on behalf of CONCESSIONAIRE by:



(Signature)

(Signature)

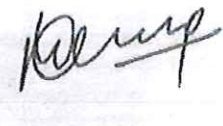
(Name) **NITIN BHADAURIA**

B. PRASAD REDDY

(Designation) **MUNICIPAL
COMMISSIONER,
In the presence of: DEHRADUN**

Head - P&D

1) **Sudip Chakravarty, Director, Ramky Enviro Sdnf**

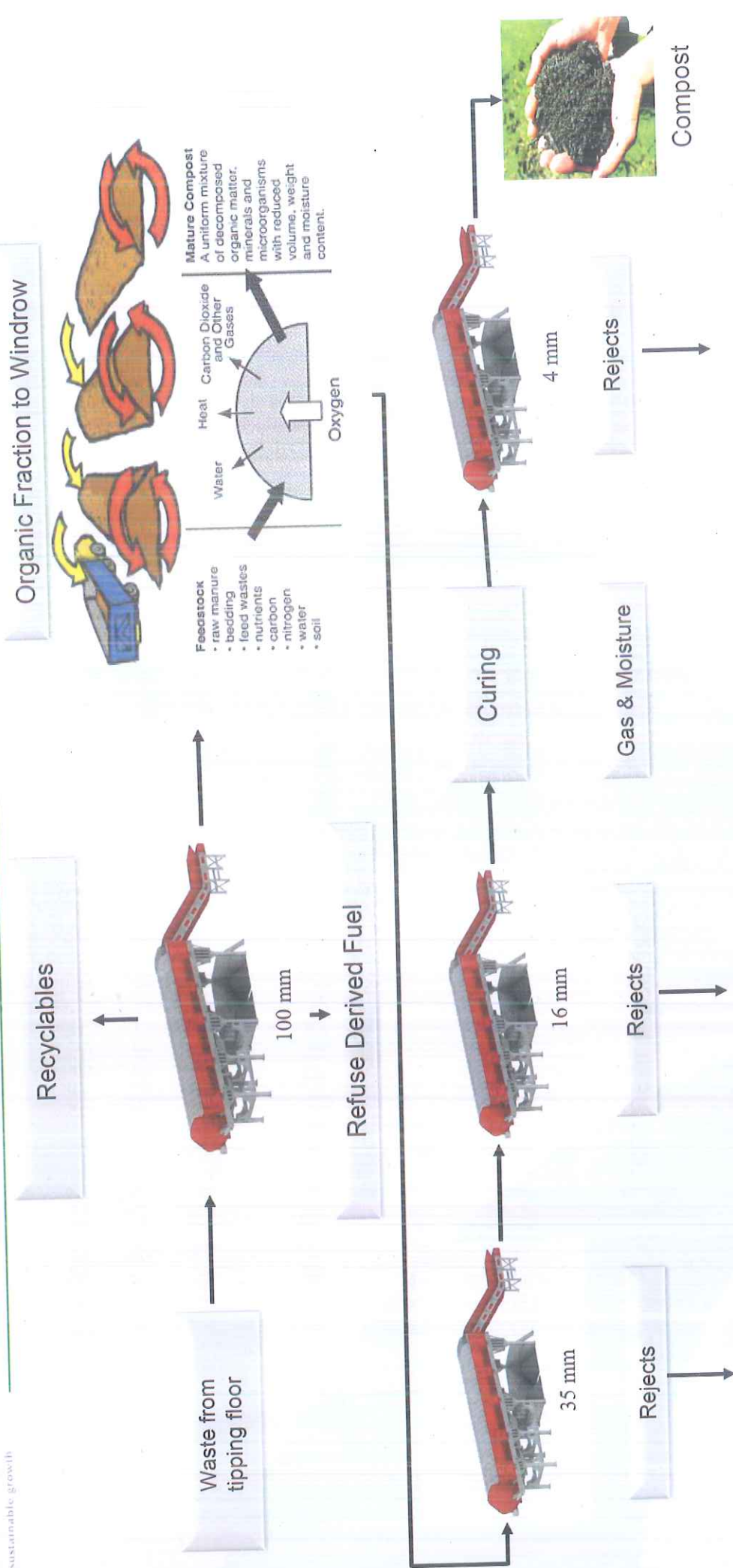
2) **Ramesh Singh Chachan, SDS, NND** 



**MUNICIPAL COMMISSIONER
DEHRADUN (U.A.)**

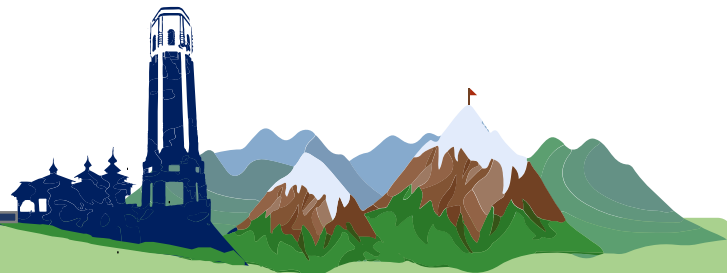


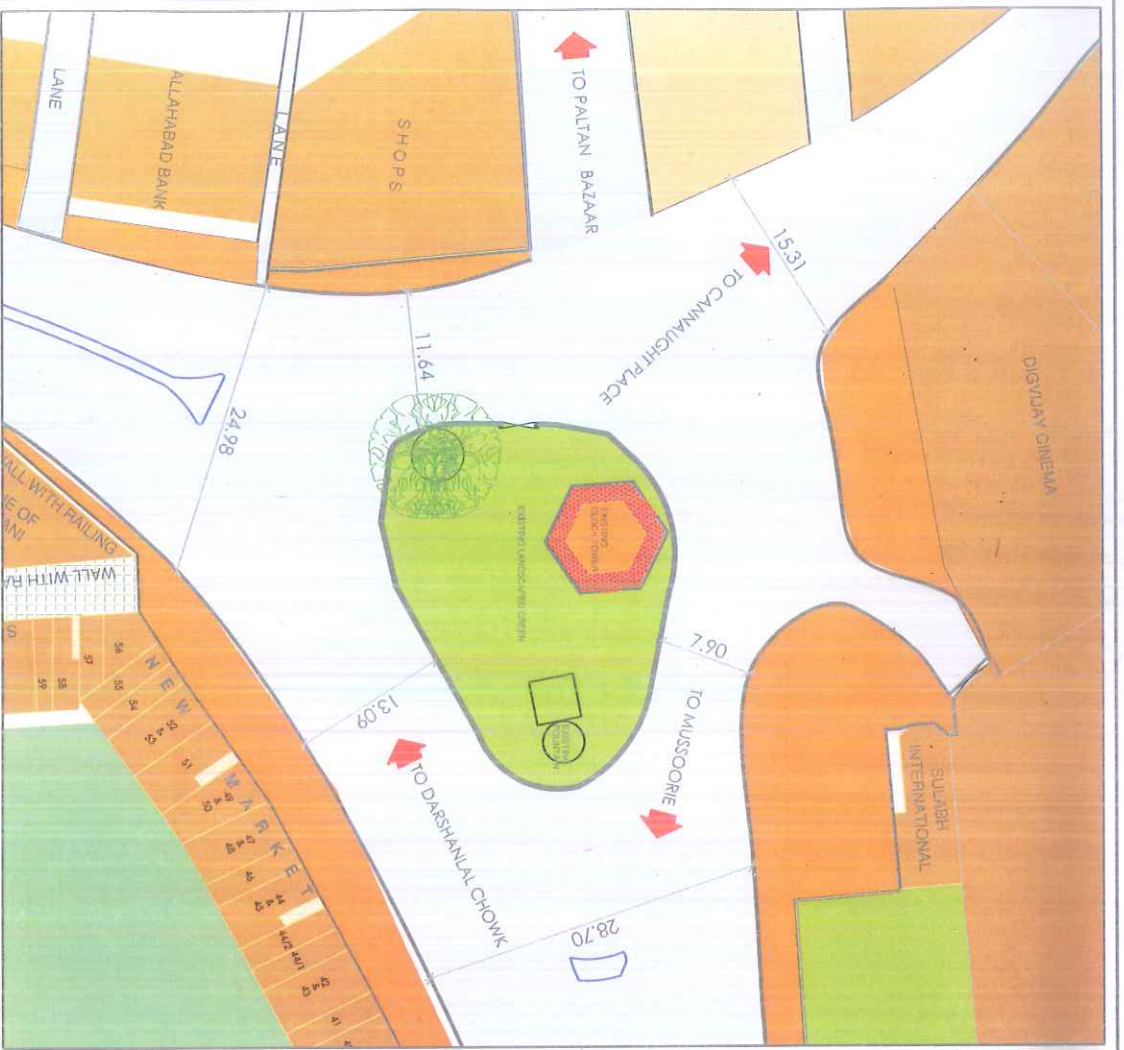
Project Scope



Secure Engineered Landfill

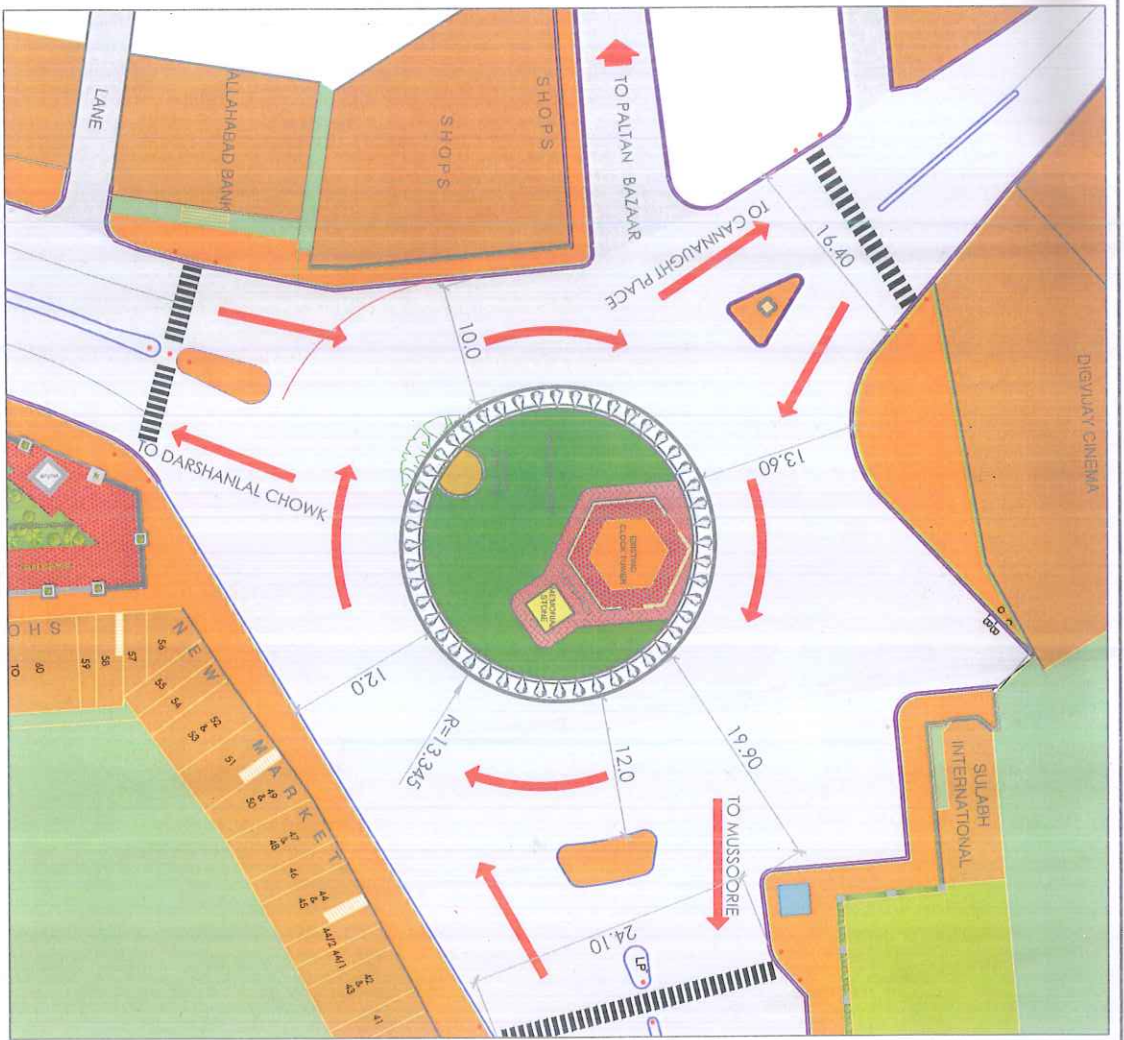
4.4 Project Clock Tower- Design





EXISTING PLAN OF CLOCK TOWER ROUNDABOUT

- COLOR CODE**
- ROAD
 - PROPOSED FOOTPATH
 - EXISTING BUILDING
 - EXISTING LANDSCAPED
 - OPEN AREA



RENOVATION AND RESTORATION OF CLOCK TOWER ROUNDABOUT

DISTRIBUTION OF PRINTS
 revision no. revised on print no. print(s) issued to
 27-10-2015 01 AE Nagar Nigam, Dehradun

CLIENT'S NAME:
 NAGAR NIGAM, DEHRADUN

ARCHITECT
 SPACE I DESIGN
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 DEHRADUN, 241006, UK
 TEL: 0135 272276, FAX: 0135 272276
 Email: spaceid@rediffmail.com

NOTES:-
 1. All dimensions are in Meter unless specified separately in other unit.
 2. Dimensions are to be read and not to be scaled. Only architectural drawings and dimensions are to be followed for construction.
 3. Any discrepancy in the drawings is not responsible for the architect. Architect office is not responsible for the construction from the drawings issued by the architect unless without the permission of the architect.

SCALE NTS
DATE 24-09-2015
JOB NO RHC172010
DRAWING TITLE CLOCK TOWER ROUNDABOUT
EXISTING LOCATION RENOVATION AND RESTORATION

FILE NAME clocktower roundabout
DRAWN BY pr
CHECKED BY vt



DWG. NO.
AC07

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645
99.3.17
261
" BEAUTIFICATION OF
CLOCKTOWER "



OIL AND NATURAL GAS CORPORATION LIMITED
Corporate Administration
Green Hills, Tel Bhavan
Dehradun - 248003

No. HQ/CSR/CT/2017

Date: 15.03.2017

To,

Municipal Commissioner
Nagar Nigam
Dehradun

Sub: Financial assistance under CSR for Renovation/beautification of Clock tower at Dehradun

Madam,

This has reference to your proposal pertaining to financial assistance under CSR for Renovation/beautification of Clock tower at Dehradun.

In this regard, it is to intimate that Competent Authority has accorded financial assistance of Rs.74,59,000/- for the renovation/beautification of the Clock tower at Dehradun.

It is understood that presently strengthening activity of Clock tower is under progress. It is therefore requested to intimate that whether the renovation/beautification project of clock tower can be taken up immediately or the work can be started after the strengthening of the clock tower. A copy of the MoA is enclosed for perusal/information which may please be seen and finalised before signing of the Agreement.

(S.C. Jha)

Dy. General Manager (HR)

AE (Ms. Kishore)

Copy for information to:

✓ Hon' ble Mayor, Nagar Nigam
Dehradun (Uttarakhand)

न. र. जहा

PWC

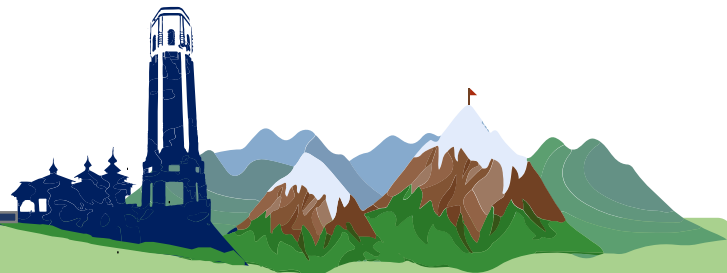
22/03/17

4.5

Project

Gandhi Park Phase-1

Gandhi Park Phase-2





5. GANDHI PARK PHASE - I
(CHILDREN'S PARK) UNDBA AMRUT
Phone/ Fax:- 0135-2531152

कार्यालय अधीक्षण अभियन्ता
नवम् वृत्त, लो०नि०वि०, देहरादून

Office of the Superintending Engineer, 9th Circle PWD, Dehradun Uttarakhand
Website- <http://pwd.uk.gov.in> E-mail: sepwdddun@rediff.com

पत्रांक : 5140/28271 - 217

9/16

दिनांक 24 / 10 / 2016

सेवा में,

नगर आयुक्त
नगर निगम,
देहरादून।

विषय :- अमृत योजना के अन्तर्गत नगर निगम द्वारा प्रस्तावित कार्यो का आगणन।

संदर्भ :- आपका पत्रांक:-49, दिनांक 29.09.2016

महोदय,

आपके उपरोक्त संदर्भित पत्र द्वारा प्राप्त आगणन की दरें इस कार्यालय द्वारा चैक कर दी गई है। अन्य विभागों के आगणन पर तकनीकी स्वीकृति प्रदान किए जाने हेतु शासन द्वारा अधोहस्ताक्षरी को अधिकृत नहीं किया गया है। अतः निम्न प्रतिबन्धों के साथ दरें चैक कर आगणन प्रतिहस्ताक्षरित कर आपको मूल रूप में प्रेषित किया जा रहा है।

1- बाजार दरों की सत्यता एवं प्रमाणिकता का उत्तरदायित्व सम्बन्धित कार्यदायी संस्था का होगा।

2- कार्य की गुणवत्ता का उत्तरदायित्व लोक निर्माण विभाग का नहीं होगा।

संलग्न :- आगणन। (मूल हस्त)

अधीक्षण अभियन्ता,
नवम् वृत्त, लो०नि०वि०, देहरादून

प्रतिलिपि कनिष्ठ अभियन्ता (प्रा०), नवम् वृत्त लो०नि०वि०, देहरादून सूचनार्थ प्रेषित।

अधीक्षण अभियन्ता,
नवम् वृत्त, लो०नि०वि०, देहरादून

CHILDREN'S PARK AS URBAN GREEN SPACE, GANDHI PARK



PROJECT
REJUVENATION OF CHILDREN'S PARK AS URBAN GREEN SPACE AT GANDHI PARK, DEHRADUN, UTTARAKHAND

- ARCHITECT**
S R B V A C E I D E S I G N
1. ENTRY TO PARK WITH TICKET BOOTH
 2. CAFE/PAK
 3. TOY TRAIN PLATFORM
 4. KID'S ROCKERS AND SAND PIT
 5. ROLL-OVER GREEN MOUNDS WITH TUNNEL SLIDES
 6. SLIDES ZONE
 7. TOILET BLOCK
 8. GRASS MOUNDS WITH LARGE TRIBAL STATUES
 9. SAND PIT WITH MULTIPLE PLAY STATION
 10. ROLL-OVER GREEN MOUNDS
 11. KID'S TUNNEL SLIDES
 12. GREEN LIGHT AND SOUND SHOW
 13. WALK/JET SLIDE
 14. SELFIE CUTOUTS OF ZOO ANIMALS
 15. THEME CENTRE AND ACTIVITY ZONE
 16. PIRATE SHIP SLIDE
 17. OPEN SITTING AREA CAFETERIA
 18. DUSTBIN

DRAWING TITLE
CHILDREN'S PARK

DRAWING TYPE
SITE LAYOUT PLAN

AREA

AREA OF CHILDREN'S PARK	14,495.50 sq.m.
AREA OF GREEN SPACE	7,537.50 sq.m.
PERCENTAGE OF GREEN AREA	52%
TOTAL AREA OF GANDHI PARK	59,952.50 sq.m.

SCALE : 1:1750
DATE : 03-02-2016
JOB NO : 09/CP/16

LOCATION MAP

DWG. NO.
AW01

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कायालय नगर निगम देहरादून

दूरभाष-0135&2655620, 265352, 2658204 फैक्स-0135&2651061

वेबसाइट-www.nagarnigamdehradun.com

ई-मेल: nagar_nigam2008@yahoo.com, nagarnigam.ddn@gmail.com

टोल फ्री नं० - 1800-180-4153, कन्ट्रोल रूम - 1800-180-4206



एक कदम स्वच्छता की ओर

पत्रांक संख्या 417/CMMU D'DUN/AMRUT-03/2016-17

दिनांक 26/11/16

सेवा में,

महाप्रबन्धक
कार्यालय मुख्य महाप्रबन्धक निर्माण विंग
उत्तराखण्ड पेयजल संसाधन विकास एवं निर्माण निगम
403/1 इन्दिरा नगर, देहरादून

विषय:- अमृत मिशन के अन्तर्गत नगर निगम द्वारा प्रस्तावित पार्को के ^(DPR) तकनीकी स्वीकृती के सम्बन्ध में।

महोदय,

उपरोक्त विषयक अवगत करवाना है कि अमृत मिशन के अन्तर्गत वर्ष 2016-17 की स्वीकृत सेवा स्तरीय सुधार योजना (स्लिप) के अनुसार गांधी पार्क की डी0पी0आर0 तैयार कर तकनीकी स्वीकृती हेतु संलग्न कर प्रेषित है।

क्र०स०	कार्य का नाम	डी0पी0आर0 की धनराशि (लाख में)
1.	गांधी पार्क में अरबन ग्रीन स्पेन का कार्य (फेस-2)	149.93

उक्त कार्य के डी0पी0आर0 का परीक्षण कर तकनीकी स्वीकृती प्रदान करने का कष्ट करें।

संलग्नक- उपरोक्तनुसार

भवदीया,

(रबनीत चीमा)
नगर आयुक्त
नगर निगम देहरादून o/c

प्रतिलिपि:-

1.निदेशक शहरी विकास निदेशालय को सादर सूचनार्थ प्रेषित।

नगर आयुक्त
नगर निगम देहरादून o/c

28/11/16

कार्यालय मुख्य महाप्रबन्धक
निर्माण विंग
उत्तराखण्ड पेयजल निगम

देहरादून

प्रेषक,

निदेशक,
शहरी विकास निदेशालय,
उत्तराखण्ड, देहरादून।

सेवा में,

सचिव,
शहरी विकास विभाग,
उत्तराखण्ड शासन, देहरादून।

देहरादून: दिनांक 21 दिसम्बर, 2016

विषय:

अटल मिशन (अटल नवीनीकरण और शहरी परिवर्तन मिशन) के अन्तर्गत वर्ष 2016-17 हेतु स्वीकृत स्लिप/सैप के अनुसार डी0पी0आर0 की ई0एफ0सी0 किये जाने के सम्बन्ध में।

महोदय,

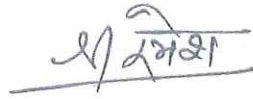
उपरोक्त विषयक ग्रीन स्पेस/पार्क सेक्टर के अन्तर्गत हरिद्वार नगर की 02 योजनायें रु0 44.51 लाख लागत तथा देहरादून की 01 योजना रु0 149.82 लाख लागत की टी0ए0सी0 के उपरान्त जल निगम द्वारा निदेशालय को उपलब्ध कराई गई हैं। प्रेषित डी0पी0आर0 का विवरण निम्नवत् है -

(लागत रु0 लाख में सेन्टेज रहित)

क्र0 सं0	योजना का नाम	लागत	वित्तीय वर्ष वार प्रस्तावित योजनाएं
ग्रीन स्पेस/पार्क योजनायें			
1	हरिद्वार में अमृत योजना के अन्तर्गत नगर निगम, हरिद्वार में श्रवणनाथ पार्क के सौन्दर्यीकरण की योजना।	22.52	2016-17
2	हरिद्वार में अमृत योजना के अन्तर्गत नगर निगम, हरिद्वार में हिमगिरी विहार कालोनी पार्क कनखल के सौन्दर्यीकरण योजना।	21.99	2016-17
3	देहरादून में अमृत योजना के अन्तर्गत नगर निगम, देहरादून में गांधी पार्क में अर्बन ग्रीन स्पेस के कार्य।	149.82	2016-17
	कुल	194.33	

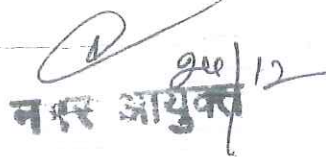
अतः अनुरोध है कि उपरोक्त 03 योजनाओं की EFC कराये जाने हेतु आवश्यक कार्यवाही करने का कष्ट करें।

संलग्नक:- उपरोक्तानुसार।



भवदीय,

(नवनीत पाण्डे)
अपर निदेशक।

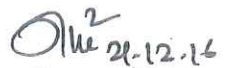

नगर आयुक्त

संख्या एवं दिनांक तदैव।

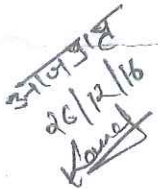
प्रतिलिपि

निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. नगर आयुक्त, नगर निगम, हरिद्वार/देहरादून।
2. प्रबन्ध निदेशक, उत्तराखण्ड पेयजल संसाधन विकास एवं निर्माण निगम, देहरादून।
3. मुख्य अभियन्ता (मु0), उत्तराखण्ड पेयजल संसाधन विकास एवं निर्माण निगम, देहरादून।



(नवनीत पाण्डे)
अपर निदेशक।

आज प्राप्त
26/12/16


4.6 Industry Support Letters

1. ARNA Support Letter
2. DIT University Support Letter
3. ESRI India Support Letter
4. Essel Infraprojects Limited Support Letter
5. HITACHI Support Letter
6. IBM Support Letter
7. ILFS Support Letter
8. ILFS Water Support Letter
9. ISOF Support Letter
10. KANKYO Support Letter
11. KPIT Support Letter
12. METRO Support Letter
13. Rave Technologies Support Letter
14. OYO Support Letter
15. SPML Support Letter
16. TERI Support Letter
17. Sterlite Solutions Support Letter
18. UMS Support Letter
19. LG CNS Support Letter
20. ERICSSON Support Letter
21. Indian Institute of Remote Sensing



1.ARNA Support Letter



To,

Mr. Meenakshi Sundaram
Vice Chairman
Mussoorie Dehradun Development Authority
Smart City- Dehradun Nodal Body

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission from ARNA

Dear Sir,

As Dehradun continues to evolve as the central commercial and political capital of Uttarakhand, ARNA wishes to congratulate City Administration/ Smart City Nodal Body for the obvious insight shown during the path towards visioning Dehradun as a Smart City under the national mission.

Although Dehradun Municipality faces many challenges such as rapid urbanization, solid waste management, wastewater treatment, traffic management, infrastructure development, provision of safety while utilizing limited resources, the City still shines as favored tourism landmark and educational hub.

ARNA believes the historical significant City of Dehradun should be a priority candidate under the Mission of Smart Cities led by the Ministry of Urban Development because of the unlimited intrinsic potential that could be realized on a national and international scale through harnessing of proper technologies and capacity building.

ARNA would be honored to support Dehradun Municipality in the development as a Smart City through providing solutions in the following sectors:

1. **G-Governance Solutions** – ARNA envisions a pan-departmental, scalable, integrated, geo-spatial based information system (GIS) supported by quality aerial imagery and 3D imagery that shall act as the backbone platform for boosting multiplying any smart solution implemented. This would be a first-of-its-kind concept to be executed in India.
2. **Natural Biological System for Wastewater Treatment and Recycling** – ARNA and its partner AYALA Israel wish to provide Dehradun Municipality with a comprehensive unique solution for de-centralized and sustainable solution for wastewater treatment on a pan city scale. The solution consists of treating wastewater and recycling it using specially designed green-areas that provide an optimal solution for the Indian urban scenario while allowing city beautification at the same time.

info@amaict.com

www.ama-ict.com

India: 21, Pritam Road, Dehradun. 248001, Uttarakhand, India.

Israel: STB, Shadal 3, Tel-Aviv, Israel

+919837088028

+972545662270

2.DIT University Support Letter

Mussoorie - Diversion Road,
Dehra Dun - 248 005
Uttarakhand INDIA
Phones +91.135.3000 300, 301
FAX +91.135.3000 308
E-mail: dit@dituniversity.edu.in



Ref. No.: DITU-VC/MDDA/2016/Ext-019

Date: 08.04.2016

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority (MDDA)
Dehradun, Uttarakhand

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Shri Meenakshi Sundaram ji

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

Considering the geographical location and historical milestones Doon Valley deserves very much to be a smart city. The tourists come from all parts of the world & it is also the sacred gateway of "Dev Bhumi" to millions of Indians. Dehradun is an Educational hub and also a hub for Char-Dham Yatra, recreation for International Tourist, etc. Ever since having declared the capital of Uttarakhand, Dehradun has seen rapid urbanization and growth. This has led to a strain on the older infrastructure and the need of the hour is to upgrade this facility and channelize the growth of this fast developing cosmopolitan city to meet the demands and aspirations of a new state, a resurgent economy and the people of the region.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We will be happy to demonstrate a pilot project before the expert group. I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Thanking you with Regards,


Dr. K.K. Raina
Vice Chancellor
DIT University, Dehradun
Vice Chancellor

Established vide Uttarakhand Act No. 10 of 2012
Recognized by UGC under Section 2(f) of the UGC Act, 1956

DITUNIVERSITY.EDU.IN

3.ESRI India Support Letter



31st March, 2016

To,

Mr. M. Meenakshi Sundaram, IAS
Vice Chairman
Mussoorie Dehradun Development Authority
Smart City- Dehradun Nodal Body

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission

Dear Sir,

It gives me immense pleasure to congratulate the City Administration/ Smart City Nodal Body for its effort towards the Smart City Mission Dehradun. The city of Dehradun, which spreads across an approximate area of 64.4 Square kms, is one of the oldest cities of India. Mussoorie Dehradun Development Authority (MDDA) serves as the administrative headquarters for the Dehradun district. Although the City faces many challenges like SWM, drinking Water, traffic management, it is one of the most favored tourist destination and attracts tourists, pilgrims and enthusiasts from various walks of life to its serene environs.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

Geographic Information Systems (GIS) would be one of the core technologies that would enable MDDA to realise your vision. GIS is driving several mission critical projects world-wide, including in India, in municipal governance like urban planning, water distribution, security, tourism portals, solid waste management, property tax realisation, among others.

ESRI India Technologies Ltd. Is a joint venture between NIIT technologies and ESRI, Inc., world's largest provider of GIS software. In India it is the most widely used GIS across various domains including urban development, utilities, environment conservation, water resource management, security, municipal governance et al.

We wish to extend our full support to the Mission, towards the multilateral development of Dehradun into a Smart City across various sectors by being your partner for geo-enabling Dehradun. We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India. We will be happy to demonstrate a proof of concept for which the cost will be borne by our firm.

We look forward to working with you in developing a successful smart city Dehradun!

With best regards

A handwritten signature in blue ink that reads "Rajesh C Mathur".

Rajesh C Mathur
Advisor

Esri India Technologies Ltd.
resw@niit-gis.com
223-224, 3rd Floor, Udyog Vihar, Phase 1, Gurgaon - 122002 India
T: +91 124 4202702 | F: +91 124 4202713 | E: info@esriindia.com | W: esriindia.com

Regd. Office: 8, Rajaj Estate, 1st Floor, Anna Salai (ex. Meg. Bldg.) New Delhi-110019 India | T: 91 11 41675000 | F: 91 11 4140720
LIN: 004140DL19ANUC000040

4. Essel Infraprojects Limited Support Letter

Essel Infraprojects Limited

Corporate Office: 20th Floor, A Wing, Marathon Futures, N. M. Joshi Marg, Lower Parel, Mumbai - 400 018.
Tel: +91 22 2108 2404 • Fax: +91 22 2108 4500

4th April, 2016

Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission. We firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

We are a large Infrastructure & Utilities player in the country with offerings in Municipal Solid Waste, Power Distribution, City Gas Distribution, Water Distribution, Waste Water & Sewage, Roads, Renewable Energy and Cable & Broadband.

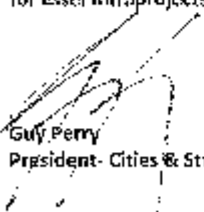
We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We wish to extend our full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Regards,

for Essel Infraprojects Limited


Guly Perry
President- Cities & Strategy



5.HITACHI Support Letter



To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

Smart City – 6 Block Principal – Life Continuity Plan **HITACHI** Inspire the Next

Smart City = 24x7 sustainable solution encompassing Multifutility water, Energy, gas, telecom, security, disaster management with IT backbone



- Smart City : Deliverables...
- Reduced Investment
 - Reliability, Availability, and Self-healing
 - Effective Rol for Life Cycle

CPM Group, Mussoorie Development Authority, Dehradun
 2018 Smart City Mission
 2018 Smart City Mission
 2018 Smart City Mission
 2018 Smart City Mission
 2018 Smart City Mission
 2018 Smart City Mission

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We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We will be happy to demonstrate a pilot project for which the complete cost will be borne by our firm

CI No: U52190DL1997170025419

Page | 1

• **Hitachi India Pvt Ltd.**

Units 802A and 802B, Tower 2, Conneqtus Building, Bhavbhuti Marg, Near Minto Bridge, Conneught Place, New Delhi-110001
 Tel: +91-011-30605252 Fax no: +91-011-30605253
www.hitachi.co.in

6. IBM Support Letter



To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal Body for its effort towards the Smart City Mission Dehradun.

Being one of the oldest cities in India Dehradun faces many challenges including Sewage Water Management, Drinking Water Supply, Traffic Management. However, despite all these challenges, I firmly believe that Dehradun is an excellent candidate for the Smart City initiative. Moreover, successful implementation of this mission will further elevate Dehradun's position as a preferred tourist destination across the globe.

Given a chance, we will be pleased to work alongside the Dehradun Municipal Corporation & Mussoorie Dehradun Development Authority in identifying and alleviating the primary areas of development and help Dehradun realize its dream of being a Smart city; based on mutual consensus.

We look forward to working with you in developing a successful smart city Dehradun!

Regards

A handwritten signature in black ink, appearing to read 'Rajul Mehrotra', with a long horizontal line extending to the right.

Rajul Mehrotra
Program Lead- 100 Smart Cities
Email: rajulmehrotra@in.ibm.com
Phone: 9611255888
IBM India Private Limited
First Technology Place, EPIP Zone, Bangalore - 560067

7.ILFS Support Letter



ILFS Urban Infrastructure Managers Limited
488, Karumathu Centre, } +91 44 2431 7536
3rd Floor, South Wing, } +91 44 2431 5353
Anna Salai, } www.ilfsindia.com
Chennai - 600 095
Tamil Nadu

April 11, 2015

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Offer for debt financing of projects under Smart City and AMRUT

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission. I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

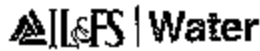
We wish to take this opportunity to introduce the Pooled Municipal Debt Obligation (PMDO) facility, as an option for the financing of the proposed projects under Smart City and AMRUT.

PMDO Facility is a unique facility created to fund Urban Local Bodies and PPP projects in urban Infrastructure sector. The Facility offers long tenor INR loans with tailor made repayment terms to match the cash flows from identified revenue streams.

The broad terms and conditions of financing under PMDO facility are mentioned below for your consideration:

Borrower	Dehradun Municipal Corporation
Lenders	A consortium of Financial Institutions and Banks under 'Pooled Municipal Debt Obligation' facility.
Project	Proposed projects under Smart City & AMRUT.
Debt Amount	Upto Rs. 500 crores
Tenor	Maximum of 13 years (including upto 3 years of principal moratorium period)

8. ILFS Water Support Letter



IL&FS Water Limited

A4-A6, Navin's Presidium
103, Neeson Manickam Road
Aminjikarai
Chennai 600 029, Tamilnadu
INDIA

T +91 - 44 - 4344 3333
F +91 - 44 - 4344 3399
W www.ilswater.com
CIN: U45400TN2007PLC71126

April 07, 2016

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir

It gives us immense pleasure to congratulate the City Administration & Smart City Nodal agency for their effort towards the participation of Dehradun in Smart City Mission.

We firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

IL&FS Water is among the leading private sector Water Supply Operators in India, offering end-to-end urban water supply & waste water management solutions including condition assessment, design, costing, project and financial structuring, financing, implementation and long-term sustainable operation & maintenance. We will be happy to associate with the concerned Authorities in Dehradun in the areas of water and waste water management as and when they invite tenders for the same.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We wish to extend our full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Regards

For IL&FS Water Limited

Jiten T Hindocha
Sr. Vice President

9.ISOF Support Letter

India Smart Grid Forum
24, 10th Floor, Sector 17, Block
C/MP Building, Okhla Bypass, Chandigarh, New Delhi 110 021
Email: info@smartgridforum.org www.indiasmartgridforum.org



To,
Shree R. Meenakshi Sundaram
Vice Chairman
Mussoorie Dehradun Development Authority
Smart City- Dehradun Nodal Body

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission

Dear Sir,

It gives me immense pleasure to congratulate the City Administration/ Smart City Nodal Body for its effort towards the Smart City Mission Dehradun. The city of Dehradun, which spreads across an approximate area of 64.4 Square Kilometres, is one of the oldest cities of India. Mussoorie Dehradun Development Authority (MDDA) serves as the administrative headquarter for Dehradun district. Although the City faces many challenges like SWM, Drinking Water, Traffic Management, it is one of the most favoured tourist destination and attracts tourists, pilgrims and enthusiasts from various walks of life to its serene environs.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors:

- Reduction in interruptions in power supply and reduction in duration of interruptions
- Promotion of Electric Vehicles Rollout
- Reduction in AT&C losses
- Promotion of Renewable Energy and its Integration with the Distribution Grid
- Demonstration of grid connected Energy Storage System
- Establishment of new HV substations in the project area
- Establishment of separate road corridor for laying/repair work of existing/forthcoming/HT/LT underground cables
- SCADA/DMS and Distribution Automation
- AMI for all customers
- Demand Response
- Communication Systems – for SCADA/DMS, Substation Automation, Distribution Automation, AMI and Transformer Monitoring. Visibility of established common communication system that can connect automation systems of other smart city infrastructure and services such as water, gas, surveillance camera, traffic monitoring, etc.
- Cyber Security
- Additional Servers, Storage, Networking Gear, UPS etc., in the Data Center (DC) and DR; and Customer Care Centre (CCC)
- Integration of the above systems with R-APDRP systems under implementation including ERP, Billing and Customer Care systems etc; and Integration with Pune's Smart City Common Command Control Centre



10. KANKYO Support Letter



To,
Sri R. Meenakshi Sundaram, IAS
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Monday, 21 March 2016

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City by managing Solid Waste management facility with Plasma gasification technology Being **Indigenously Indian**, Plasma Gasification Technology was developed with CSIR-CMERI, Durgapur (apex body established in 1942 by Government of India), and it took 7 years (from 2008 to 2014) to develop it.

General Benefits Delivered on a 43.5TPD Plant

- It will generate 5.6 million units of clean & green net power annually
- 900 tons of Slag is produced per annum which can be used for making bricks and laying roads
- No air pollution, no dioxin and furan emissions. Hence it provides a clean environment.
- No waste segregation required which makes the operation simple and easy.
- No Green-house gas emissions.
- Landfill area not required thus saving enormous amount of landfill area.
- For every ton of MSW processed through Plasma 2 tons CO₂ (GHG emissions) is reduced from the Atmosphere.



Kankyo Cleantech LLP

"An Indo Japanese Collaboration"

450, 5th Avenue, 2nd Main Road, Dunderdhooaneri Nagar, Velachery, Chennai - 600042, Tamil Nadu, India.
Ph: +91 44 4210 8110 Email: info@kankycleantech.com Web: www.kankycleantech.com

11. KPIT Support Letter



KPIT/15 16/1703/MDDA/1

March 17, 2016

To,
The Vice Chairman
Mussoorie Dehradun Development Authority (MDDA),
Transport Nagar, Saharanpur road,
Near ISBT, Dehradun-248001

Subject – Letter of support for Dehradun Smart City Initiative under Smart City Mission


Dear Sir,

It gives me immense pleasure to applaud MDDA for its efforts on smart city initiative for Dehradun city. I firmly believe that this initiative will greatly benefit city/citizens.

Further, I am writing to express my full support to MDDA for proposed "Smart City Project". It's our pleasure to be a part of the smart city initiative and feel confident expressing my full support in future.

We look forward to working with MDDA in future.

With kind regards,
For KPIT Technologies Limited


Kshya Patel
Managing Director & CEO

KPIT Technologies Limited (Formerly IIT) Corporate Information Limited

Corporate and Registered Offices: 25 & 30, Rajiv Gandhi Infotech Park, Phase 1, MIDC, Hinjawad, Pune 411057, India
Phone: +91 20 6652 5000 | Fax: +91 20 6652 5001 | info@kpit.com | www.kpit.com | CIN: L73200-IN19907-CO305597

12. METRO Support Letter



"Redefining NEXT ... Consensently"

To,
R. Meenakshi Sundaram, IAS
Vice Chairman
Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission

Dear Sir,

It gives me immense pleasure to congratulate the Smart City Nodal Body for its effort towards the Smart City Mission Dehradun. Mussoorie Dehradun Development Authority (MDDA) serves as the administrative headquarters for the Dehradun district. Although the City faces many challenges like SWM, drinking Water, traffic management, it is one of the most favored tourist destination and attracts tourists, pilgrims and enthusiasts from various walks of life to its serene environs.

We at Metro Infrasys firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

On our part we would be willing to propose smart solutions in the areas of Smart Parking and Intelligent Traffic Management systems for implementation in Dehradun. Further; we would also like to implement a 'Proof of Concept' installation of an 'Intelligent Emergency Vehicle Prioritization' system, which would automatically give priority 'Green Signals' to Ambulances, Police vehicles and Fire Brigades, at intersections. The PoC will be on a no cost, no commitment basis.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors:

I hope that you find the above offer acceptable and will give us an opportunity to demonstrate this cutting edge technology that has been developed by us, in-house, that can be a small first step in creating a real smart city in Dehradun!

Yours sincerely

A handwritten signature in blue ink, appearing to read "Sunil Sud", is written over a horizontal line.

(Sunil Sud)



13. Rave Technologies Support Letter



To,

Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority,

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives us immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

We firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

Northgate Public Services (NPS) a UK based IT solution & service provider of operational Policing systems, operating for more than 40 years with a turnover of approx £181m and approx 2500 employees across globe. Our software solutions and services focus on strengthening the safety of local Communities by helping to reduce crime, improve citizen engagement and protect vulnerable people.

Like Bhubaneswar (Ranked No. 1 in the Smart City Challenge) & Coimbatore's solution for Pan City Deployment we propose deployment of *Automatic Number Plate Recognition Cameras (ANPR) at Junctions/Red Light Signals/Important Establishments vis. Govt. Buildings, Banks, Schools/Colleges, Posh areas, areas known to be at risk of criminal activities*. These Cameras shall help curb Red Light Violations at the Signals thus helping maintain traffic discipline and safety for road users.

Our Solution is an Integrated Penalty Management Suite (Connect Enforcement) which organizes the whole life cycle of issuance of challan to a violator (RLVD) and even enabling the violator to see his offence on Worldwide Web. The Challans can also be electronically transferred to the Judiciary, for further action.

Our ANPR Solution called 'Falcon i' helps solve crime faster, prevents crime through pre-emptive policing, ensures citizen safety, helps catch stolen/hot-listed vehicles.

The above solutions can also be augmented with additional features like Pollution Under Control Certificate Compliance, Insurance, Road Permits, Vehicle Fitness (commercial vehicles).

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We will be happy to demonstrate a pilot project for which the complete cost will be borne by our firm and as per mutual understanding.

We wish to extend our full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

With warm regards

Ajay Lal Malik
AVP Sales - Public Safety & Transport
E : ajay.malik@northgate-is.com, M : +91-98112 24474

Rave Technologies (India) Pvt. Ltd
Unit No – 303, DLF Tower- B,
Jasola Dist. Center, New Delhi- 110025

Rave Technologies (India) Pvt. Ltd.
Corporate Office:
3rd Floor, Madhu Industrial Estate
Pencurang, Budhkar Marg, Worli
Mumbai-400013, India

Registered Office:

Ballard House, 2nd Floor, Adi Marzban Path, Ballard Pier, Fort, Mumbai-400001.

Tel: +91 22 65605600 / 67405100
Fax: +91 22 2496 8803
Email: info@rave-tech.com
Website: www.rave-tech.com
CIN: U31900MH1958PTC117068

14. OYO Support Letter



1st April, 2016

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Dear Sir,

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

OYO's goal is to change the way people stay away from home. OYO is India's largest branded network of hotels spread across 174 cities with 5000+ hotels offering standardized stay experiences at an unmatched price. OYO uses technology to link all its functions and provide the customer a seamless awesome experience. From a single hotel in May 2013 to over 5000+ hotels at present, OYO's has been an inspiring journey from a smart idea to India's largest branded network of hotels with the dream of becoming the world's largest branded network of hotels.

We will be happy to partner with the Government of Uttarakhand for promoting tourism in the State and provide our expertise in marketing, technology and consulting services.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We wish to extend our full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Thank you and with kind regards,

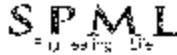
A handwritten signature in blue ink that reads 'Siddhartha Dasgupta'.

(Siddhartha Dasgupta)
President, Corporate Affairs
Tel: 9810303811
Email: Siddhartha@oyorooms.com

OYO Rooms Private Limited

Registered Office: Delhi Rectangle Focus, Level 5, Building 5, Commercial Complex D-4, Saket, New Delhi - 110029
Corporate Office: 7th Floor, Tower E3, Spazio IT Park, Sector 18, Gurgaon, Haryana - 122001 | Phone: 080-900-647-26 | Email: corporate@oyorooms.com
CIN: U72900DL2012PTC021770

15. SPML Support Letter



Dr. R. Meenakshi Sundaram, IAS
Vice Chairman
Mussoorie Dehradun Development Authority
Smart City- Dehradun Nodal Body
Transport Nagar, Saharanpur Road,
Near ISBT, Dehradun-248001

19th March, 2016

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission

Dear Sir,

Greetings from SPML Infra! We are very happy that City of Dehradun has been selected to become the Smart City. Warm congratulations to you and the Smart City Dehradun Nodal Body for this selection. The city of Dehradun is among the oldest cities of India and one of the most favorite destinations that attracts tourists, pilgrims and enthusiasts from various walks of life to its serene environment.

We firmly believe that under your leadership and guidance, the city will efficiently accomplish the task of smart infrastructure development by overcoming the challenges of drinking water, sewerage network, solid waste management, traffic management etc.

SPML Infra Limited is India's leading infrastructure development company with focus on sustainable development for smart cities, providing access to essential services to all (water, sanitation, waste management). Our Smart City Development project, "Vikram Udyogpuri" in Madhya Pradesh is Delhi Mumbai Industrial Corridor (DMIC) project, being developed on an area measuring 1100 acres. SPML Infra is developing a complete smart city with 24X7 water supply system, sewerage network, storm water drainage system, solid waste management system, internal and external roads of 4 and 6 lanes, power transmission and distribution system, domestic gas distribution system, street lighting, CCTV and SCADA, safety and security system, information and communication technology (ICT) network with peripheral boundary walls. This is first of its kind of a smart city project which will have all smart utilities connected with technology for seamless services.

We wish to extend our full support to the Mission, towards the multilateral development of the city into a Smart City across sectors and look forward to working with you in developing a successful Smart City Dehradun.

With warm regards,
For SPML Infra Limited

Rishabh Sethi
Executive Director

SPML INFRA LIMITED

SPML Infra Ltd. No. 65, Sector-32, Indira Park Area, Gurgaon - 122001, Haryana.
Ph: +91-174-697565, Fax: +91-174-688801, Email: info@spml.co.in
www.spml.co.in | CIL No. 146-66D-1851P-CC1926



Regd. Office: I ESE, Okhla Industrial Area Phase II, New Delhi - 110 020

16. TERI Support Letter



To,
Shri R. Meenakshi Sundaram
State Nodal Officer 'Smart Cities'
&
Vice Chairman
Mussoorie Dehradun Development Authority

SUPPORT FOR DEHRADUN SMART CITY INITIATIVE UNDER SMART CITY MISSION

Dear Sir,

It gives me immense pleasure to congratulate the City Administration/ Smart City Nodal Body for its effort towards the Smart City Mission Dehradun. The city of Dehradun, which spreads across an approximate area of 64.4 Square km, is one of the oldest cities of India. Mussoorie Dehradun Development Authority (MDDA) serves as the administrative headquarters for the Dehradun district. Although the City faces many challenges like SWM, drinking Water, traffic management, it is one of the most favored tourist destination and attracts tourists, pilgrims and enthusiasts from various walks of life to its serene environs.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

Srei Infrastructure Finance Limited is a synonymous name within infrastructure space in India. As a holistic infrastructure institution - we offer economical, adaptable & value based solutions in the infrastructure segments like asset & project financing, project development, strategic investments & infrastructure project advisory. The services spectrum is available in-house - under one umbrella. We are known for innovations in infrastructure financing and advisory will lead success stories in urban and rural infrastructure through strategic, customized and effective marketing programmes. **Srei** as advisor / consultant to 'Karnataka Government' has been instrumental in the short listing of 'Davangere Town' - as one of the 20 Smart Cities announced by MOUD recently. We can contribute immensely in the urban water, urban transportation segments etc. including transaction advisory and project structuring in various sectors. **Srei** and its professionals have been involved in planning of transportation infrastructure in Dehradun.

We look forward to working with you in developing a successful smart city Dehradun!

Best Regards,

Rakesh Kaul
Senior Vice President
Infrastructure Project Development
Srei Infrastructure Finance Limited
D-2, 5th Floor, Saket Place, Saket, New Delhi 110017
Tel. (D): +91 11 6602 5752
Mobile: +91 99 53705 74

CIN No. L29219WB1995PLC055355
Srei Infrastructure Finance Limited
CIN: L29219WB1885PLC063362
D-2, Southern Park, Saket Place, Saket, New Delhi - 110 017
Tel.: +91 11 6602 5700 Fax: +91 11 6602 5218
Registered Office: 'Nishwakarma' Bldg, Topale Road (South), Kolkata - 700 046
Tel.: +91 33 22850112-15, 81507734 Fax: +91 33 2285 8501/7542
Email: corporate@srei.com Website: www.srei.com

17. Sterlite Solutions Support Letter

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

The digital revolution is around the corner with Digital India, E-governance, smart cities, IoT and big data/analytics taking definite shape. Sterlite is at the forefront of this technological revolution with experience and expertise in undertaking end-to-end creation of telecom infrastructure as a System Integrator. We aim to integrate seamlessly the legacy and new systems while applying OEM neutral and scalable solutions. Sterlite is one of the experienced system integrator for Smart city solutions encompassing Wi-fi, fiber connectivity, smart lighting, smart transportation, smart parking, public address systems, environment sensing, city surveillance, command control center, enterprise management etc. With its understanding of smart cities, learnings and experience from different smart cities in India, Sterlite will definitely be able to help Dehradun deliver citizen services at much faster pace with an open and scalable platform.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We will be happy to demonstrate a pilot project for which the complete cost will be borne by our firm.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Regards



Girish Gupta
Head Smart City Business
Sterlite Technologies Limited

Sterlite Technologies Limited
IFFCO Tower, Plot No. 3
3rd Floor, Sector 29
Gurgaon 122001 Haryana, INDIA
CIN No.: L31300MH2000PLC289261

Phone : +91-124-6146000
Fax : +91-1246146060
www.sterlite technologies.com

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission. I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

The digital revolution is around the corner with Digital India, E-governance, smart cities, IoT and big data/analytics taking definite shape. Sterlite is at the forefront of this technological revolution with experience and expertise in undertaking end-to-end creation of telecom infrastructure as a System Integrator. We aim to integrate seamlessly the legacy and new systems while applying OEM neutral and scalable solutions. Sterlite is one of the experienced system integrator for Smart city solutions encompassing Wi-fi, fiber connectivity, smart lighting, smart transportation, smart parking, public address systems, environment sensing, city surveillance, command control center, enterprise management etc. With its understanding of smart cities, learnings and experience from different smart cities in India, Sterlite will definitely be able to help Dehradun deliver citizen services at much faster pace with an open and scalable platform.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We will be happy to demonstrate a pilot project for which the complete cost will be borne by our firm.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Regards


Girish Gupta
Head Smart City Business



18. UMS Support Letter



To,

Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

Unified Messaging Systems is a global leader in the field of critical messaging systems and we have deployed various systems at the national level across the globe. UMS has also worked on pilot project with Uttarakhand Govt departments to better understand the needs of the region.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

We will be happy to demonstrate a pilot project for which the complete cost will be borne by our firm.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Regards

A handwritten signature in blue ink, appearing to read "Saket Jha", is written over a light blue circular stamp.

Saket Jha

Head – India Operations

Ph: +91 9686447450

E-mail: saket@umsalert.com

Web: www.umsalert.com

Unified Messaging Systems • 519B, Sigma Tech Park, Bengaluru 560066, India

Unified Messaging Systems & Services Pvt. Ltd. [CIN U72200KA2012PTC064891]
519B, Beta Block, Sigma Soft Tech Park, Whitefield Main Road, Bangalore – 560 066. T: +91 80 4926 7000

19. LG CNS Support Letter



LG CNS India Pvt Ltd.

"Embassy Tech Square", 6th Floor, Marathahalli,
Sarjapur Outer Ring Road, Bangalore- 560 103
T. +91-80-66674000 F.+91-8066674126
CIN: U72900KA2004PTC034298
E-Mail ID: info.in@lgcns.com
www.lgcnsindia.com

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: Letter of Thanks & Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives LG CNS immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in MouD Smart City Mission.

LG CNS team is thankful to you for conducting excellent smart city conclave involving citizens followed by finance workshop along with stakeholders to prepare excellent city challenge proposal.

LG CNS after attending the Smart city conference at Dehradun firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development; the Mission can be efficiently accomplished.

For your kind reference please find enclosed small brief on LG Consulting & solutions offerings:-

LG CNS team is instrumental in delivering nearly 30 Smart City projects worldwide including SONGDO CITY at South Korea (Completion Date is 2020) as one of state of art Smart city & large transportation projects End to End including Seoul Metropolitan (40 million hits every day in Transportation network) / Bogota / Auckland / KL etc.

As a part of 100% subsidiary of LG Group (150 Billion \$), LG CNS has a strong offering in Smart cities & smart transportation for seamlessly integrating various systems & formats on Smart Green Platform (SGP) based on open framework.

- Any sensor / Any device / Any space can be integrated at command & control center to get meaningful data & control & diagnose the devices.
- LG CNS has strong references in Smart city & Airports & large Transportation rollouts for complete consultation / integration & maintenance to create future state of art cities in India & qualifies all large tenders Pre qualifications & capable of delivering & managing large Smart city / Smart Transportation projects. .
- The advantage lies on LG home grown proven hardware – Displays / Cameras / Digital sinages / patented smart technologies etc. & Software / Middleware with consulting / implementation & management experience with strong worldwide references.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India. LG CNS will be happy to share overview of our smart city projects as presented during the conference & reedy to support planned initiative by participating in future opportunities in line with government procedures & procurement policies.

LG CNS wishes to extend full support to the Mission, towards the multilateral development of the city into a Smart City across sectors.

We look forward to working with you in developing a successful smart city Dehradun!

Regards

Sandeep Rawat

General Manager – Smart Engineering Team



20. ERICSSON Support Letter



Ericsson Confidential
LETTER

Reference: EIU/GI-1E:0018 A
Date: 2016-04-15

Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vine Chairman, Mussoorie Dehradun Development
Authority

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

We, at Ericsson believe that ICT can radically transform the cities in India. Ericsson's "Zero Site" is a new and exciting connected lighting solution that can support smart cities in converting traditional streetlights to LED based lights for energy efficiency and providing new citizen services like surveillance, Wi-Fi access and mobile broadband sites for operators.

This solution can be combined with other societal applications like -

- Fully Integrated security camera
- Intelligent weather monitoring system
- Intelligent centrally controlled LED lights
- Wi-Fi Access
- Electric Vehicle Charging

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government pursuant to the selection of Dehradun in the smart city challenge of Government of India.

A handwritten signature in blue ink, appearing to be the name of the sender, Sri R. Meenakshi Sundaram.

21. Indian Institute of Remote Sensing support letter

भारत सरकार
अंतरिक्ष विभाग
भारतीय सुदूर संवेदन संस्थान
4, कालिदास मार्ग, पो. बालक सं. 135
देहरादून - 248001, भारत
दूरभाष : +91-135-2524300
फैक्स : +91-135-2741987, 2748041



Government of India
Department of Space
Indian Institute of Remote Sensing
4, Kalidas Road, PO, No. 135,
Dehradun - 248001, India
Telephone : +91-135-2524300
Fax : +91-135-2741987 2748041

Dr. P.K. Champati ray
Group Head, Geosciences and Disaster
Management Studies Group
Head, Geosciences and Geohazards Dept.
champati_ray@iirs.gov.in

No. IIRS/GSGHD/Mar/2016
Date: 22 March 2016

Subject: Letter of Support for Dehradun Smart City Initiative under Smart City Mission

Dear Sir,

It gives me immense pleasure to congratulate the City Administration/ Smart City Nodal Body for its effort towards the Smart City Mission Dehradun. The city of Dehradun, which spreads across an approximate area of 64.4 Square kms, is one of the oldest cities of India. Mussoorie Dehradun Development Authority (MDDA) serves as the administrative headquarters for the Dehradun district. Although the City faces many challenges like SWM, drinking Water, traffic management and disaster management (as we are located in foot hills of Himalaya and in Seismic zone- IV), it is one of the most favored tourist destination that attracts tourists, pilgrims and enthusiasts from various walks of life to its serene environs.

With numerous R&D/ academic organisations located in the town and eminent scholars/scientists settled here, it provides wealth of knowledge/wisdom/technical know-how to develop smart city in a best possible manner. Therefore, I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

You have made a good beginning in this regard by interacting personally with all stake holders to understand concern and prospects through workshops (in collaboration with FICCI), walks and various citizen centric approaches.

I wish to extend my full support to the Mission, towards the multilateral development of the city into a 'Smart and Happy City' for all sections of the society.

We look forward to working with you in developing a successful Smart City Dehradun!

Should you require space technology based solutions, feel free to contact us.

Thanking you and best regards,

Yours sincerely,


(P. K. Champati ray)

Mr. R. Meenakshi Sundaram, IAS
Vice Chairman,
Mussoorie Dehradun Development Authority,
Dehradun,
Uttarakhand 248001

4.7

Academics Support Letters

1. IIT ROORKEE
2. IIT Kanpur Support Letter
3. IIT Kharagpur
4. UPES
5. G.B. Pant University



1. IIT ROORKEE



भारतीय प्रौद्योगिकी संस्थान रुड़की
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FAX : +91 - 1332-273560
e-mail : archplng@iitr.ac.in
archofficehod@gmail.com

IIT Roorkee

To whomever it concerns

This is to inform that the following faculty members of the Department of Architecture & Planning, Indian Institute of Technology Roorkee are associated in the Project proposal 'Smart City - Dehradun' being resubmitted by the Government of Uttarakhand to Government of India:

Dr. Ila Gupta, Professor
Dr. Mahua Mukherjee, Associate Professor
Dr. Uttam K. Roy, Assistant Professor
Dr. Arindam Biswas, Assistant Professor
Dr. E. Rajasekar, Assistant Professor

Ila Gupta
25-3-17

Ila Gupta
Professor & Head

2.IIT Kanpur Support Letter



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
औद्योगिक एवम् प्रबन्ध अभियन्त्रण विभाग
DEPARTMENT OF INDUSTRIAL & MANAGEMENT ENGINEERING

पत्रालय: आई०आई०टी० कानपुर - 208016 (भारत)
P.O.: I.I.T., KANPUR - 208016 (India)

Subhas C Misra, PhD (Carleton), PDF (Harvard)
ADVISOR, Indo Canada Education Council
ASSOCIATE PROFESSOR, IME Department, IIT Kanpur
NSERC Fellow 2008, Harvard University, USA
Former Visiting Scientist, Harvard University, USA
Homepage: <http://www.iitk.ac.in/ime/subhasm/index.pdf>

TO WHOMSOEVER IT MAY CONCERN

The undersigned is associated in drafting the Smart City Project proposal of Dehradun City, which is being resubmitted by the Government of Uttarakhand, Dehradun to Government of India seeking the city of Dehradun to be a Smart City.

Subhas C Misra

Dr. Subhas C Misra

Associate Professor

INFORMATION TECHNOLOGY AREA

औद्योगिक एवम् प्रबन्ध अभियन्त्रिकी विभाग
Industrial & Management Engineering Department
भारतीय प्रौद्योगिकी संस्थान
India Institute of Technology
कानपुर-208016 (उ.प्र.)
Kanpur-208016 (U.P.)

4.IIT Kharagpur Support Letter



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR - 721302, INDIA

भारतीय प्रौद्योगिकी संस्थान
खड़गपुर - ७२१३०२, इंडिया

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

TO WHOMSOEVER IT MAY CONCERN

The undersigned is associated in drafting the Smart City Project proposal of Dehradun City, which is being resubmitted by the Government of Uttarakhand, Dehradun to Government of India seeking the city of Dehradun to be a Smart City.

Dr. Sudip Misra
Associate Professor
Department of Computer Science & Engineering
Indian Institute of Technology
Kharagpur-721302
West Bengal, India
Tel: +91-3222-282338
Fax: +91-3222-255303
URL: <http://www.sit.iitkgp.ernet.in/~smisra/>

5. UPES

UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES



www.upes.ac.in

Consent Letter

To,
The Nodal Officer,
Smart City,
Dehradun.

Sir,

Sub:- Consent letter of support for Dehradun Smart City initiative under smart city mission of government of India

Ref:- Dehradun SCP

Dear Sir,

This is to express our willingness and consent for Dehradun smart city project in the following terms

1. Implementation and support for Health care project of ambulance
2. Implementation and support for smart traffic management for Dehradun
3. Implementation and support for the skill development for education
4. Support for the Security as per MoUD guidelines for server and android application
5. Support for smart parking
6. Any other relevant project for successful implementation of smart city project

Yours faithful

Dr. Ankur Dumka
UPES, Dehradun



UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES

www.upes.ac.in



TO WHOM SO EVER IT MAY CONCERN

The undersigned is associated in drafting the Smart City Project proposal of Dehradun City, which is being resubmitted by the Government of Uttarakhand, Dehradun to Government of India Seeking the city of Dehradun to be a smart city.

A handwritten signature in blue ink, which appears to read "Ankur Dumka", is written over a horizontal line.

Dr. Ankur Dumka
UPES, Dehradun
9997888410



G.B. Pant University

Tel. : 05944-233338 (O)
Fax : 05944-233338 (O)
Mob. : 09412120655
E-mail: drmandoria@gmail.com



DEPARTMENT OF INFORMATION TECHNOLOGY
COLLEGE OF TECHNOLOGY
G.B. PANT UNIVERSITY OF AGRICULTURE &
TECHNOLOGY, PANTNAGAR-263145,
U.S. NAGAR, (UTTARAKHAND), INDIA

DR. H.L. MANDORIA
B.TECH, M.TECH., PH.D.(CSE), FIB(I)
PROFESSOR & HEAD

TO WHOMSOEVER IT MAY CONCERN

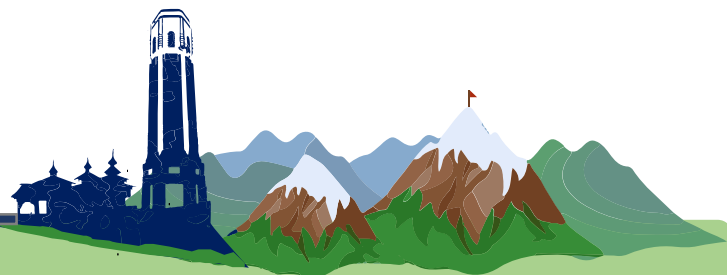
The undersigned is associated in drafting the Smart City Project proposal of Dehradun City, which is being resubmitted by the Government of Uttarakhand, Dehradun to Government of India seeking the city of Dehradun to be a Smart City.


25.3.2017
(H. L. MANDORIA)

Dr. H.L. Mandoria
Professor & Head
Dept. of Information Technology
College of Technology
G.B. Pant Univ. of Agric. & Tech,
Pantnagar-263145, Uttarakhand

4.8

Academic Suggestions on SCP (IIT & UPES)





भारतीय प्रौद्योगिकी संस्थान रुड़की
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archofficehod@gmail.com

IIT Roorkee

PROPOSED NEW/EXTENDED PROJECTS FOR SMART CITY DEHRADUN

Sl no.	Policy/Strategy	Components/directions	Benefits
1.	City Walkability, Streetscape, Signage & Façade Control Strategy with Paltan Bazar to Astley Hall as pilot project	<ol style="list-style-type: none">1. Comprehensive walkability and non-motorisation roadmap of public places with the connectedness between heritage spaces, institutions, river banks and green spaces2. Urban design strategies for, built environment, heritage, streetscapes & street furniture3. Designing closed loop of city pedestrian strategy including tourism/heritage walks (CBD exploration on feet) with augmented and Virtual reality of pedestrian environment and heritage buildings/landmarks.4. Preparation of public signage plan in and around Dehradun5. Noise barriers at city and neighbourhood levels6. Landscape planning and design for urban park, street side green, and water body7. Planning for outdoor comfort using urban micro-climate controls and green infrastructure to boost commercial activities and beautify the area	<p>Phased roadmap of developing walkability, streetscape and signage as smart future of Dehradun city, matching the expectation of citizen as per the engagement survey.</p> <p>Action plan facilitating the city administration for implementing such schemes as per the fund availability.</p> <p>Paltan Bazar and Ashtley Hall as a demonstration project to improve the reliability and image of the city.</p>

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2.	<p>Comprehensive Place making strategy and Special Development Control rules to enforce spatial orders</p>	<ol style="list-style-type: none"> 1. Formulation of Urban design and public place making strategy plan centering around Culture& infrastructure. 2. Formulate development controls, urban design guidelines and enforcement rules for orderly growth and an encroachment free city 3. Development of integrated parking, para-transit and street vendors management plan 4. Strategy and physical planning for utilising leftover places in cities including under-side of flyovers 5. Urban renewal codes and regulations for core city to bring compact development without encroachment on ground (re-densification or de-densification) 	<p>A feasible roadmap of congestion and encroachment free city</p> <p>A techno-legal guide to city authority to enforce the spatial orders</p> <p>Enhanced city image as clean and well-administered city</p> <p>Enhanced investment due to enhanced image</p> <p>First of it's kind intervention in India except Urban Art Commissions (UAC), Delhi</p>
3.	<p>Urban Housing & land Management Strategy with an emphasis on Rental housing as demonstration</p>	<ol style="list-style-type: none"> 1. GIS mapping of city landuse, built form, heritage, density, urban infrastructure etc. for planning, analysis, development potential, revenue generation and urban management 2. Formulation of land supply strategy and management plan to create land banking 3. Projected future housing types with its land, density, numbers etc. 4. Strategy for informal housing sectors with it's integration and convergence 5. A pilot project (planning and design) on for informal housing sectors with it's integration and convergence in collaboration with MDDA 6. Plan for creation of short duration houses like rental and transitional houses scheme for migrated individuals and family (National rental housing policy) 7. A pilot project (planning and design) on mixed use housing and a pilot project (planning and design) of rental housing in collaboration with MDDA 	<p>Spatial record for city, Digital interface for smart city and tourism portal</p> <p>Makes a practical road map of land and housing for ABD and then extends to city periphery</p> <p>It considers extended areas as future greenfield development</p> <p>More inclusive development in including informal and migrated people</p> <p>Stopping worry of getting land for public infrastructure</p>

Handwritten signature



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IIT Roorkee

4.	Tourism development and City attractiveness strategy	<ol style="list-style-type: none">1. Formulation of detailed plan and strategy for tourism development, heritage mapping and networking with regional tourism hot-spots2. Policy for creating facilities for migrants and floating populations3. Policy for attracting visitors and investors	Policy direction and strategic base for augmenting tourism industry and employment
5.	Resource conservation Policy	<ol style="list-style-type: none">1. Energy audit for different building typologies2. Identification of green performance strategies and preparation of an implementation plan3. Water management audit and preparation of water use efficiency plan4. Action plan for healthy buildings and improving Indoor environmental quality in public buildings	Enhanced building energy efficiency and resource use Obtain green rating such as GRIHA Enhanced water management Improved health and occupant comfort

Ha Gupta
25.3.17

S.No	City-level	Marks	Marks obtained	Area Based Development (ABD)	Marks	Marks obtained	Pan-city	Marks	Marks obtained
1.	Vision and goals	5	5	Smartness of solution	7	6	Smartness of solution	5	5
2.	Strategic plan	5	4	Citizen engagement	5	4	Citizen-engagement	1	1
3.	Citizen engagement	10	9	Results orientation	15	14	Results orientation	3	2
4.	Baseline, KPIs, self-assessment	5	4	Process followed	3	2	Process followed	1	1
5.	Potential for improvement	5	3	Implementation framework, including feasibility and cost-effectiveness	25	22	Implementation framework, including feasibility and cost-effectiveness	5	3
	Total marks	30	25		55	48		15	12

Total marks =85/100 (project proposal is very nicely prepared covering most of the aspect of the citizens problem cited in the workshops and events held)



Ankur Dumka
Asst. Professor & Proctor
University of Petroleum & Energy Studies (UPES)
Dehradun

To,
The Nodal Officer
Smart City Challenge
Dehradun-248001

Subject – Dehradun Smart City Proposal – Mock marking by University of Petroleum and Energy Studies

A comprehensive review of the draft Dehradun Smart City Proposal has been done. Proposal has been prepared as per the MoUD Smart City approach which involved a comprehensive citizen engagement process and a detailed city profiling. Subsequently, the Area-based and Pan City Solutions have been finalised to transform Dehradun to a Smart City.

I have screened the proposal thoroughly basis which I have come out with the following comments and the marks have been awarded to each question as Smart City Guidelines and are attached herewith :

1. Area Based Solutions and Pan City solutions have been prepared basis the exhaustive city profiling and citizen engagement process and address the ground level city issues
2. Comprehensive city SWOT analysis & self-assessment has been done and it is clearly reflecting the actual city scenario
3. Strategic Blueprint is in line with the Goals and vision decided upto a large extent
4. Area Based solutions include a proper justification of strategy adopted to transform Dehradun, includes Smart features and seems to have a potential ripple effect in the city. Justifications are well supported with detailed annexures
5. Pan City Solutions has a unique feature and has been designed on a zero investment model and is addressing the city core issues carved out of the citizen engagement
6. Implementation Plan has been designed specifying clear timelines of the projects to be implemented. I discussed with various industries and the timelines specified come out to be in well sync with the industry
7. Financials have been drafted thoroughly and clearly reflect the costings and ROIs
8. SPV organograms and Institutional Structures are very well designed and are undoubtedly hammering on the principle of inclusion

The total score obtained by Dehradun is 85/100

Best Wishes to Dehradun for all the success!

From:

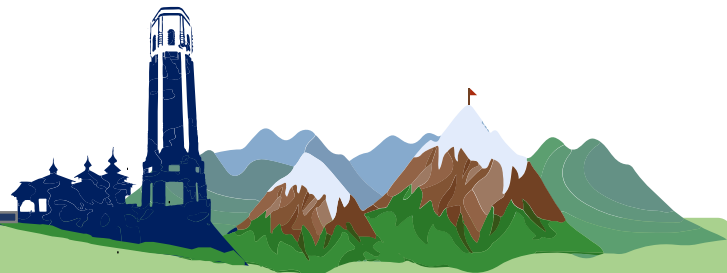
Ankur Dumka

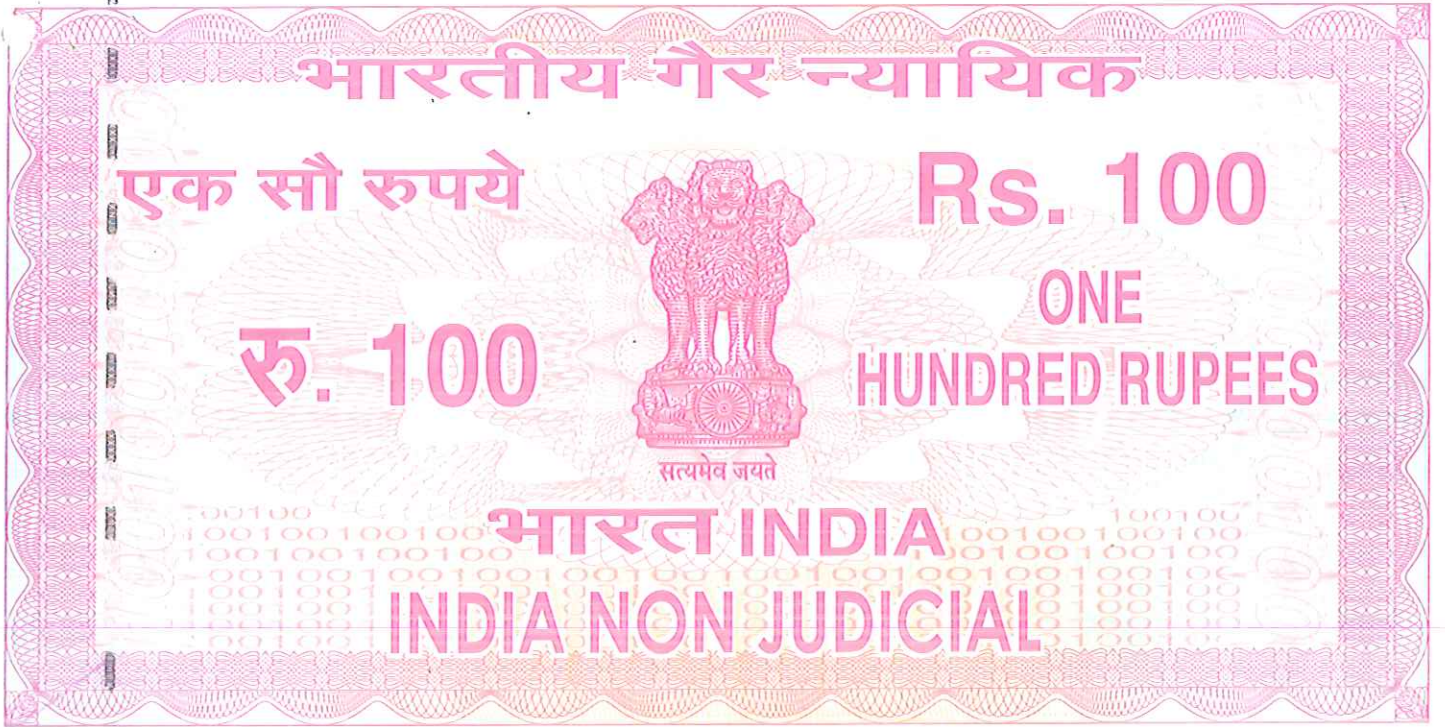
Mr. Ankur Dumka
Assistant Professor and Proctor
College of Engineering Studies
University of Petroleum & Energy Studies (UPES)
Dehradun



4.9

Astley Hall MoU





उत्तराखण्ड UTTARAKHAND

M 306922



DEVELOPMENT AGREEMENT


THIS DEVELOPMENT AGREEMENT is made and executed on this the .10.th day of ..August.... 2015 at Dehradun between :-

MUSSOORIE DEHRADUN DEVELOPMENT AUTHORITY, Transport Nagar, Saharanpur Road, Dehradun, through its Secretary, which expression shall unless repugnant to the context or meaning thereof, mean and include its authorized signatories, executors, successors or assigns, hereinafter referred to as the **First Party**.

AND

The Doon Co-operative Store, Sahkari Bazar, Astley Hall, Dehradun, through its ~~Secretary~~ Shri ..Ashok..Kumar which expression shall unless repugnant to the context or meaning thereof mean and include its authorized signatories, executors, successors or assigns hereinafter referred to as the **Second Party**.

Page 1 of 8


सचिव
मसूरी देहसदून विकास मण्डल
देहसदून ।


सचिव
दून को-ऑपरेटिव स्टोर्स लि०
देहरादून

WHEREAS the First Party Mussoorie Dehradun Development Authority (in short MDDA) is a statutory body constituted under the Uttarakhand (U.P. Urban Planning & Development Act, 1973) Amendment Act, 2009, for the purpose of developing the city in the planned manner and it has overall control on the development of the city.

AND WHEREAS the Second Party is a Cooperative Society duly registered under the Uttar Pradesh Cooperative Societies Act, 1965 (as replaced by The Uttaranchal Co-Operative Societies Act, 2003.

AND WHEREAS the Second Party is in possession as owner of land (khasra no, land ownership detail enclosed as annexure 1) measuring 1762 SqMtrs with construction thereon, situated at Astley Hall, Rajpur Road, Dehradun.

AND WHEREAS after the formation of State of Uttarakhand and creation of Dehradun as its Capital, there has been a constant influx of population in the capital. As such there has been an increase in the population and traffic and paucity of parking space in the City more particularly at Rajpur Road, which is the prime location and heart of City of Dehradun. Taking into consideration the above fact and after deliberations and thoughtful consideration, the First Party being the Development Authority and an instrumentality of the State, has come up with the project of Multi Level Car Parking (hereinafter referred to as the "MLCP/ Project") at Astley Hall, Rajpur Road, Dehradun and has approached the Second Party with the proposal of the above project for providing the land/ space for the said project.

AND WHEREAS the Second Party after deliberation over the proposal / project of the First Party, has decided to provide land along with all construction thereon for the project to the First Party for the construction of Multi Level Car Parking having seven floors, two basements, and one semi basement and consequently has agreed to enter into this Development Agreement (DA) on the following terms and conditions :-

- i. The built up space on ground floor (approx 1329 SqM) and first floor (approx 1392 SqM) shall be the property in the ownership of the Second Party /Doon Co-operative Store.


सचिव
मसूरी देहरादून विकास प्राधिकरण
देहरादून ।



सचिव
दून को-आपरेटिव स्टोर्स लिमि

- ii. Second Party / Doon Co-operative Store can use the semi basement area (approx 1329 sqm) for parking their vehicles, however the first right to the space will be for circulation of vehicles entering and exiting from the parking. Out of the two spaces of Driver Rooms in the semi basement area, one will be in the ownership of the Second Party, for two wheeler parking.
- iii. Dedicated car parking space up to a maximum of 5 ECS shall be reserved for the vehicles of management committee members of Doon-Co-operative Store / Second Party in the basement parking under the rights of first party.
- iv. The name of the Building shall be Doon Co-operative Commercial Complex.
- v. The First party shall have exclusive rights to the built up space on second, third, fourth, fifth and sixth floor along with the two basements.
- vi. The First Party shall use the two basements and the fifth and sixth floors for the purpose and function of automated car parking for capacity of around 200 cars.
- vii. The First Party shall use the built up spaces on second, third and fourth floors for the function of commercial leasing, selling in order to make the development of the project financially sustainable.
- viii. Tentative floor plans have been enclosed as annexure with this agreement.
- ix. The advertisement revenue from hoardings on the complex shall be shared in the ratio of 50:50 between the First Party and Second Party.
- x. Second Party shall not be responsible for any delay in the construction and completion of the project.


सचिव

मसूरी देहरादून विकास प्राधिकरण
देहरादून ।

Page 3 of 8


सचिव
दून को-आपरेटिव स्टोर्स लि०
देहरादून

NOW THIS DEVELOPMENT AGREEMENT WITNESSETH AS
UNDER :

1. That the Second Party shall provide land along with all structure existing thereon as on date for the project admeasuring 1762 SqMtrs, situated at Astley Hall, Rajpur Road, Dehradun, which is in the ownership of the Second Party, to the First Party within a period of two months from the date of entering into this Development Agreement (DA) subject to providing the alternative accommodation/ office space by the First Party to the Second Party. The entire expenses towards removing the structures / buildings standing over the aforesaid area will be borne by the First Party alone and further it will be the responsibility of the First Party to get the damages, if any, sustained by the neighbouring buildings, repaired which may occur at the time of removing the structures / buildings over the aforesaid area/ Project Area.
2. That the First Party shall provide alternative accommodation/ Office Space at HNB Complex, Clock Tower, Dehradun, free of cost, till the handing over / possession of the ground floor and first floor of the project to the Second Party.
3. That necessary permissions from any office/ department for removing the constructions/ buildings over the aforesaid area, shall be obtained by the First Party at its own expenses.
4. That the First Party shall provide/obtain statutory and other mandatory clearances from the State/ Central government/ other Government Agencies/ Authorities/Statutory Bodies etc. for raising construction of the Project over the land area/ space so provided by the Second Party.
5. That the First Party shall prepare a concept note (including cost of the projects) for the purpose of development of Multi Level Car Parking/ Project and for the said purpose may engage consultant(s) and/or any other professionally qualified person (s) as it may deem fit for preparation of the same at its cost and expenses.


सचिव

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6. That the obligation and responsibility for preparation of Technical and Financial DPR for the Project and further to contribute the requisite technical, financial and managerial resources as well as in-house professional and other manpower for implementation and development of the Project shall be of the First Party.
7. That the First Party shall depute the requisite professionally qualified personal (s) for the purpose of undertaking the work of the project at its cost and expenses.
8. That the entire cost and expenses of every nature towards the construction and development of the project shall be borne by the First Party.
9. That the obligation / contribution of the Second Party towards the Project is limited to the extent of providing its land along with all constructions thereonto the First Party for carrying out the said Project.
10. That for all intent and purpose, the ownership of the land covered under this Development Agreement(DA) for the said project, shall be exclusively with the Second Party and the First Party has been given only the right for carrying out the said project over the said land belonging to the Second Party.
11. That for the purpose of carrying out the said project, the First Party or its officers and the company / personnel engaged by the First Party, shall have the right of egress and ingress over the land/ project without any interference of the Second Party.
12. That for the purpose of carrying out the project, the First Party is at liberty to raise loans/ credit facility from the financial institutions/ banks and for that purpose the Second Party hereby agrees to mortgage its land including deposit of title deeds or otherwise, with the said financial institution/ Bank for the said purpose jointly alongwith the First Party.
13. That in case of availing credit facility/ loan (s) as above, the entire liability and responsibility towards repayment of the loan and getting the property/land of the Second Party released from

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mortgage shall be of the First Party. In other words the First Party shall keep the Second Party harmless and unaffected from the liability of credit/ loan and shall arrange and ensure the return of the original title deed (s) of the Second Party deposited towards mortgage after clearance of the loan amount.

14. That the First Party shall keep the Second Party harmless and unaffected from all the third party litigation which may arise in future against the Project. In other words the entire burden towards litigation against the Project after entering into this agreement by the parties shall be borne by the First Party alone.
15. That the following terms and conditions have also been agreed upon by both the parties for entering into this Development Agreement :-
 - i. The built up space on ground floor (approx 1329 sqm) and first floor (approx 1392 sqm) shall be the property in the ownership of the Second Party /Doon Co-operative Store.
 - ii. Second Party / Doon Co-operative Store can use the semi basement area (approx 1329 sqm) for parking their vehicles, however the first right to the space will be for circulation of vehicles entering and exiting from the parking. Out of the two spaces of Driver Room in the semi basement area, one will be in the ownership of the Second Party, for two wheeler parking.
 - iii. Dedicated car parking space up to a maximum of 5 ECS shall be reserved for the vehicles of management committee members of Doon-Co-operative Store / Second Party in the basement parking under the rights of first party.
 - iv. The name of the Building shall be Doon Co-operative Commercial Complex.
 - v. The First party shall have exclusive rights to the built up space on second, third, fourth, fifth and sixth floor along with the two basements.

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देहरादून

- vi. The First Party shall use the two basements and the fifth and sixth floors for the purpose and function of automated car parking for capacity of around 200 cars.
- vii. The First Party shall use the built up spaces on second, third and fourth floors for the function of commercial leasing, selling in order to make the development of the project financially sustainable.
- viii. Tentative floor plans have been enclosed as annexure with this agreement.
- ix. The advertisement revenue from hoardings on the complex shall be shared in the ratio of 50:50 between the First Party and Second Party.
- x. Second Party shall not be responsible for any delay in the construction and completion of the project.
16. That responsibility and liability towards management and maintenance of the ground and the first floor shall be of the Second Party and similarly responsibility and liability towards management and maintenance of the remaining floors and basements shall be of the First Party. The responsibility and liability towards the management and maintenance of all the common areas shall be of the First Party.
17. That both the parties agree that any term and condition of this Development Agreement can be amended/altereD/added/deleted with the written consent of the parties.
18. **Force Majeure** - That in case of reasons/ acts of God/acts beyond the control of First Party, viz. flood, cyclone, earthquake, accident by fire, explosion, riots etc. the terms of completion of the project as well as term of loan, can be extended by a reasonable period with mutual written consent of the parties.
19. **Arbitration** -That in case of any dispute arising out of this Development Agreement(DA) or any of the provisions of this Development Agreement(DA), the same shall be resolved

amicably, however if such an attempt fails then the matter shall be referred to the Sole Arbitrator who shall be the Registrar, Co-Operative Society, Uttarakhand or any other Officer appointed by him under the Arbitration & Conciliation Act, 1996, whose decision would be binding for both the parties hereto. The Cost of proceedings of Arbitration under the Arbitration & Conciliation Act, 1996, including the Fees of Arbitrator shall be borne by both the parties in equal proportion.

20. That both the parties agree that the jurisdiction to decide such disputes shall be at Dehradun and at no other place. Both the parties specifically agree that the Civil Courts shall have no jurisdiction over the matters arising out of this Development Agreement (DA).
21. That this Development Agreement(DA) shall be valid till the completion of the project, taking over of the possession of the respective floor by the parties, repayment of loan, release of original title deeds from the mortgage, whichever condition may be later.


In Witness Whereof the parties here to have put their respective signatures and seal in these presents on the date and month first here to before mentioned.

FIRST PARTY 
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मसूरी देहरादून विकास प्राधिकरण
देहरादून ।

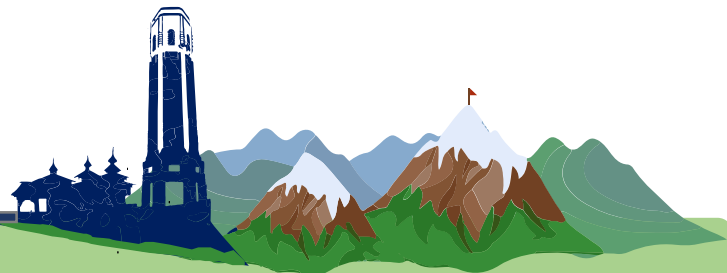

SECOND PARTY
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देहरादून

Witnesses :

1. 

2. 
मसूरी विकास प्राधिकरण
(देहरादून)

4.10 FICCI MoU



**•MEMORANDUM OF UNDERSTANDING
BETWEEN**

•FEDERATION OF INDIAN CHAMBERS OF

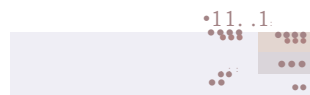
•COMMERCE & INDUSTRY (FICCI)

•AND

•MUSSOORIE DEHRADUN DEVELOPMENT

•AUTHORITY, DEHRADUN (MDDA)

•16th FEBRUARY 2016



•Smart City





• **Federation of Indian Chambers of Commerce and Industry (FICCI)**, having its headquarter at Federation House, 1, Tansen Marg, New Delhi - 110001 ("FICCI", which expression will include its successors and permitted assigns, unless repugnant to the context or meaning), acting through its [authorized representative] , of the first part

• **And**

• **Mussoorie Dehradun Development Authority** (hereinafter referred to as "MDDA", having its office at Transport Nagar, Saharanpur road, Near ISBT, Dehradun-248001, Uttaranchal which expression will include its successors and permitted assigns, unless repugnant to the context or meaning) acting through its Vice Chairman, , of the second part.

• FICCI and MDDA are hereinafter individually referred to as "Party" and co ely as

• "Parties", as the context may require. P0

• H. V. Usar
- RI No 1 -

• **Whereas,** 32



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

2. FICCI is a non-government, not-for-profit organization. FICCI is the largest and oldest apex business organization in India that has contributed to the Industrialization in India by encouraging debate, articulating the private sector's views and influencing policy.

3. FICCI has constituted a committee on Smart Cities to undertake the following:

• (i) Policy Advisory: recommend changes to the existing policy framework required to enable development of Dehradun as a "smart city".

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

1. Purpose:

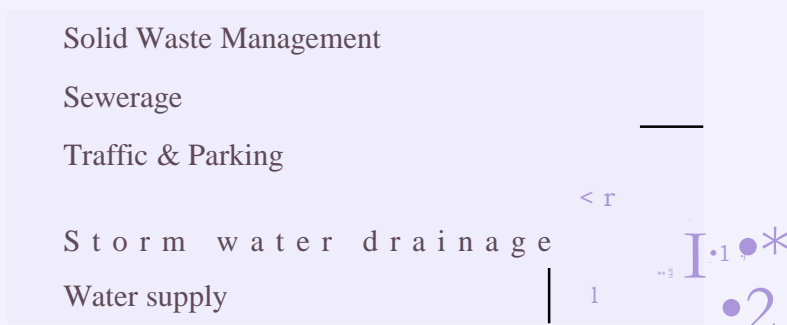
•The Parties are entering into this MOU to record the terms and conditions on which FICCI will provide the Scope of Services to the MDDA for the development of Dehradun as a "Smart City".

1. Responsibilities: 2.1

FICCI's Responsibilities

•FICCI hereby agrees that it will undertake, either itself or through one or more of the FICCI Urban Infrastructure and Smart Cities committee members, reasonable endeavours to provide the Scope of Services in accordance with and to the extent requested by MDDA with the objective of developing Dehradun as a "smart city", which will include the following:

- i. FICCI will jointly work with MDDA and all other stakeholders such as industry experts, civil society and other stakeholders to develop vision, goals & strategies for Dehradun as a Smart City and thereafter support implementation of the same in Dehradun.
- ii. FICCI, through its committee members, will work in collaboration with MDDA in sectors illustrated in para-5 above and in areas like:
 - a. Creation of Financial plans for various sectors & creation of innovative sources of Municipal Finance
 - b. Legal & contracting issues
 - c. Project based support for projects in areas like:
 - I. Industries (including stone-based industries, textile, agro-based industries etc.)





7. Education / Skill Development
 1. Housing (including affordable housing)
 2. Heritage
 3. Tourism/ Recreation

•I. Start-Ups

iii. FICCI in association with MDDA will mobilize the private and public sector industry expertise to share the smart city vision of Dehradun through campaigning and national/international conferences, thereby promoting Dehradun as a smart city.

i. FICCI in association with MDDA will align the interest of industry members with those of the government and also will provide technology support to the Dehradun Smart City project through the FICCI smart city committee.

ii. FICCI will assist the MDDA through required consultation and advisory inputs on policy advocacy relevant to the development of Dehradun under the smart cities initiative.

iii. FICCI will like to assist MDDA with the successful and effective Public Relations, Media & Event Management activities and will share a commercial proposal with detailed scope of work shortly with MDDA

•2.2 MDDA Responsibilities

MDDA will appoint a nodal officer who will be the contact point for the interaction with

•the MDDA and will also be responsible for the smart city initiative.

•MDDA will allow FICCI to conduct smart city workshops/ Conferences/ Conclaves as and when required to promote Dehradun as an Investment destination.

•The nodal officer and the consultants appointed by the MDDA will work jointly with

•FICCI to drive the smart city initiative for Dehradun.





•3 Terms and Termination

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

•4 Other Terms:

•4.1 Sharing of Information

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

•4.2 Confidentiality

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

•4.2 Expense

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

•Pt_ 67,



•MOU. For workshops and conferences, FICCI will provide the content and relevant industry representatives to participate, the venue and logistical costs and organizational costs of FICCI will be taken care by MDDA.

•4.3 Counterparts

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

•4.5 Entire Agreement

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

•4.6 Representation

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



•4.7 Cooperation 19 L.



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

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

On Behalf of On Behalf of

Federation of Indian Chambers of Mussoorie Dehradun Development

Commerce and Industry (FICCI) Authority (MDDA)

By:

Name: A bind Prasad

Title: Director General

Date: 1 t, .D 2_ 114b

By:

Name: Mr. Meenakshi Sundaram, IAS

Title: Vice Chairman

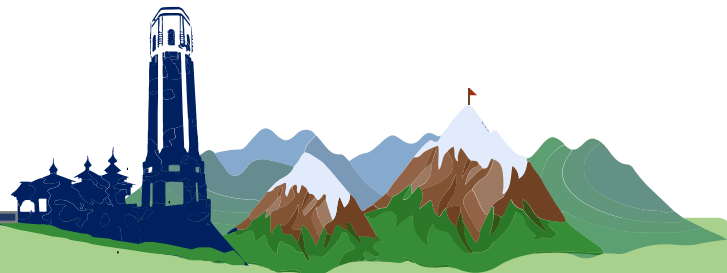
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(INDIA)

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For Delhi
Reg. No. 9452
Date 18-08-2017
Govt. of India

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4.11 ICLEI MoU



Memorandum of Understanding
on
*Implementation of 'Asian Cities Climate Change Resilience Network –
Translation & Scaling Up' Project*

Between

Dehradun Municipal Corporation
&
ICLEI- Local Governments for Sustainability, South Asia

MEMORANDUM OF UNDERSTANDING

1. SUBJECT:

Implementation of 'Asian Cities Climate Change Resilience Network – Translation & Scaling Up' Project, funded by Rockefeller Foundation.

2. PURPOSE:

The purpose of this document is to establish an operational understanding between the Dehradun Municipal Corporation (hereinafter referred to as "DMC"), and ICLEI - Local Governments for Sustainability, South Asia (hereinafter referred to as "ICLEI SA"), for collaboration to reduce the risks of the climate change impacts faced by the city through an integrated management approach, thereby increasing their local economic and social resilience through the 'Asian Cities Climate Change Resilience Network – Translation & Scaling Up' (hereinafter referred to as ACCCRN –T&S) Project. The project will help the DMC to develop their resilience strategy plan to better adapt to the impacts of climate change at the municipal level by understanding their risks and vulnerabilities and preparing local adaptation plans in a participatory and transparent manner.

3. PARTNERS:

ICLEI-SA is being financially supported by the Rockefeller Foundation for the execution of the ACCCRN T&S Project in the DMC.


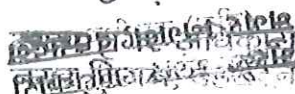
ICLEI SA is a non-governmental organization registered under Indian Trust Act in 2005. ICLEI SA is an association of local governments and national & regional local government organizations which provides technical consulting, training, and information services to build capacity, share knowledge and support local governments in the implementation of sustainable development at the local level. ICLEI SA has experience of working with over 50 Indian cities in and has over 40 member cities in South Asia. ICLEI SA will provide institutional and advisory services for ground implementation of the project in the DMC.

The DMC will share relevant technical information and is expected to implement the activities under the project (defined in Section 5.1) to prepare local climate resilience strategies for the city of Dehradun.

4. OBJECTIVES AND SCOPE OF COLLABORATION

4.1 The DMC has expressed its interest to participate in the ACCCRN T&S Project and agreed on all commitments requested in the Expression of Interest.

- 4.2 The intended beneficiaries of the collaboration are:
- The citizens of DMC through better preparedness of their city to face the impacts of climate change.
 - The DMC and the relevant officials and professionals in the corporation through development of their capacity to prepare local climate resilience plans for their city.
 - Direct and indirect stakeholders (non-government and government organisations, community group, resident welfare association, private entrepreneurs, financing

institutions, and academic institutes) through their involvement in the preparation of local climate resilience plan in a participatory manner.

- 4.3 The objective of this MOU is to develop and maintain a framework of co- operation between ICLEI SA and DMC on the scope of services of the project to formulate a local adaptation action plan (resilience strategy) for the city over a period of up to 10 months starting in Feb 2015.

5. ROLES AND RESPONSIBILITIES:


5.1 Dehradun Municipal Corporation:

Under this project, the DMC will be responsible for the following tasks:

- a. *Formation of Core Team:* DMC shall appoint a core team known as the Core Team, consisting of officials from the local government for the ACCCRN T&S Project. This team shall have a minimum three members and shall include a senior level administrator and project engineers designated as in charge for the project. A nodal officer, responsible for coordinating the city's progress through the process, will be appointed for the project by the DMC.

The responsibilities shall include:

- To supervise all project related activities in the city.
 - Facilitation and sharing of information with ICLEI-SA on data requirement related to the project.
 - To facilitate and participate in the training activities conducted under this project and to undertake the exercises and activities that are part of the process
 - To facilitate the Shared Learning Dialogues with the Stakeholder Group at different stages of the project, to gather relevant information from them and incorporate their suggestions and inputs as appropriate
 - Preparation of city level local climate resilience plan with guidance and support from ICLEI SA and facilitate effective integration of planned initiatives into the city's developmental plans
 - To coordinate the necessary communication and collaboration with all relevant departments of the DMC
 - Internal institutional capacity building to effectively fulfill the long-term adaptation plan requirements.
 - Regularly report the progress of city activities to ICLEI SA for documentation and reporting purposes.
 - Participate in meetings, conferences to be organized from time to time under this project.
- b. *Political Ratification:* DMC will obtain political approval (if needed) to participate in the ACCCRN T&S Project through a city council resolution. DMC will also obtain political approval (if needed) through a city council resolution at various stages of the project, such as acceptance of climate change priority impacts and local climate resilience plan.


कृष्णकौमोद (स्त्री) कर्म
नगर, निरीक्षक, देहरादून

- c. *Stakeholder Consultation*: In consultation with ICLEI SA, DMC will facilitate the formation of a stakeholder group for the project. This stakeholder group will consist of senior officials and politicians from the DMC, senior officials from relevant state government agencies, representatives of local non-government organizations, esteemed citizens from the city, climate research institutions, private sector representatives and any other organizations or individuals who may be relevant as decided by DMC. The stakeholder group will have a steering responsibility in the preparation of the local climate resilience plan and will provide information and suggestions at different stages of the preparation of the plan through Shared Learning Dialogues.
- d. *Provision of data*: DMC will assist in identification and provision of all relevant data required for the preparation of local climate resilience plans under this project.
- e. *Training and workshops*: DMC will participate and assist in awareness raising activities, training programmes and workshops on adaptation and planning. DMC will assist ICLEI-SA project team in conducting training programmes, meetings and media briefs related to project activities with relevant stakeholder.
- f. *Implementation of Resilience Plan*: DMC (with support from ICLEI SA) will proactively identify ongoing or planned programmes and schemes which may be useful to fund the implementation of the activities identified in the Resilience Strategy.


5.2 ICLEI-SA:

The main responsibilities for ICLEI SA will include:

- a. Provide technical support, guidance and training for the DMC officials involved in the project.
- b. Assist the DMC to prepare the city climate resilience strategy plan.
- c. Organize partner meetings and knowledge transfer workshops
- d. Assist the DMC to identify key stakeholders from local bodies, non-government and government organizations, academic and research institutions etc and take part in some of the stakeholder group meetings during shared learning dialogues.
- e. Supervise the implementation of the project activities in the city and monitor the results of the project.
- f. Information sharing between the project cities
- g. Assist the cities to identify programmes and schemes which may be useful for the city to fund the activities on climate change planned in the local climate resilience strategy plan developed under this project.

The following activities will be undertaken to fulfill the responsibilities stated above:

1. Engagement with city corporation officials to facilitate/co-ordinate the activities undertaken as part of this project.
2. Along with the staff designated for the project by the DMC:


मुख्य नगर अधिकारी
नगर निगम, देहरादून

- a. Hold preliminary meetings with senior level local government officials to introduce the project and its key components, the roles and responsibilities of the DMC and ICLEI SA.
- b. Along with the staff designated for the project by the DMC, conduct a scoping exercise to assess the climate change impacts and identified issues for the city, existing relevant plans and policies, city's preparedness to face the impacts of climate change.
- c. Preparation of Terms of Reference for the Core Team and Stakeholder Group.
- d. Facilitate the development of communication plans

3. Research/Climate impacts Assessment

Along with the staff designated for the project by the DMC:

- a. Analyse critical urban systems which may be impacted by climate change and assess primary impacts of climate change
- b. Identify strategies already in place to tackle climate change and opportunities to link additional climate change actions into existing strategies, policies and plans
- c. To understand the impacts of the projected climate changes on the city and its systems and develop one or more scenario statements for an agreed time horizon
- d. To conduct a Shared Learning Dialogue to consider results of research and impact analysis
- e. To draw together results of the climate impact analysis and assess the city's capacity for responding to the key climate impacts and risks identified

4. Vulnerabilities Assessment


Along with the staff designated for the project by the DMC:

- a. To conduct a vulnerability assessment to identify greatest vulnerabilities for the city by using community based thinking and understanding as well as scientific data analysis, in consultation with DMC and other technical partners. In case external assistance is required for this phase, ICLEI SA will assist DMC to hire such consultancy services at the expense of the DMC.
- b. Organise a Shared Learning Dialogue with stakeholder group to analyse and validate the results of vulnerabilities assessment.
- c. Conduct city level workshop in one of the project cities for sharing information regarding project progress and exchange of information on climate change related impacts and activities undertaken in different cities.

5. Resilience Strategy

Along with the staff designated for the project by the DMC:

- a. Prepare draft climate resilience strategy
- b. Organise a Shared Learning Dialogue with stakeholder group to discuss the climate resilience strategy for finalization of the plan.
- c. Gain political support for the climate resilience strategies and interventions developed under the plan
- d. Conduct final conference to share the results of the project among project partners.


मुख्य अधिकारी (अधिकारी)
नगर निगम, देहरादून

6. Implementation

DMC will be responsible for the implementation of the Climate Resilience Plan. ICLEI SA will support the DMC in identifying and accessing opportunities that enable its implementation.

7. Monitoring and Review

ICLEI SA will provide DMC with a process of monitoring and reviewing the city's progress and achievements in the implementation of the Climate Resilience Plan. DMC will be responsible for the adoption and implementation of the monitoring and review process.

8. Financial Implication:

The funding available for the ACCCRN-T&S does not cover staff time, resources or activities to be provided or undertaken by the DMC. Support is available only for ICLEI SA to guide and support the DMC through the process that will enable it to develop a climate resilience plan. If the DMC so desires, it may hire consultants at their own costs in order to carry out sectoral studies on climate adaptation, which may be prioritized by the Stakeholder Group or undertake pilot projects; however, this is an optional measure and not mandatory under the project.

9. Confidentiality:

The parties must maintain confidentiality on internal information about the other parties, which is not meant to be passed on to external parties.

The parties agree that this MOU sets forth the intent and goals of the signatories, and further agree that this MOU does not obligate funds or create any contractual rights and responsibilities.

Dehradun Municipal Corporation and ICLEI- Local Governments for Sustainability South Asia acting through its duly authorized representatives have caused this Memorandum of Understanding (MOU) to be signed in their names and delivered.

Particulars

Signature


Stamp

Dehradun Municipal Corporation

Name: Nitin Singh Bhaduria

Designation: Commissioner, Dehradun Municipal Corporation

Date:
Place:



27/02/2015

मुख्य नगर अधिकारी
नगर मिलन, देहरादून

ICLEI- Local Governments for Sustainability, South Asia

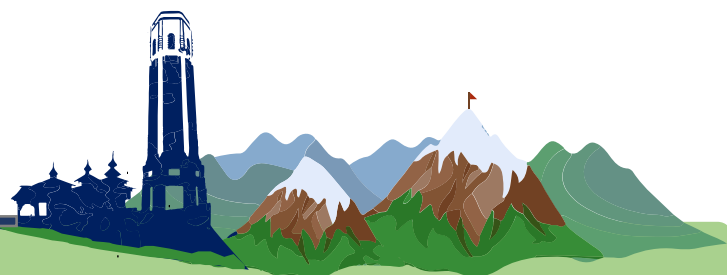
Name: Emani Kumar

Designation: Executive Director

Date:
Place:

4.12

CITIZENS' ACTION GROUP (CAG) Smart Sustainable Dehradun & Citizen Action Group Support



SMART SUSTAINABLE DEHRADUN



CITIZENS' ACTION GROUP (CAG)

April, 2016

SMART SUSTAINABLE DEHRADUN

INTRODUCTION

A dictionary definition of “smart” is something that has a “clean, tidy and stylish appearance”. If this has to be applied to the city of Dehradun, almost no area qualifies.

There is potential, though, to improve Dehradun within the confines of the Central Government’s Smart City Mission without destroying its heritage and green areas like the Arcadia Tea Estates. Citizens’ Action Group, (CAG), which comprises 27 NGOs (*see pgs 8-9*) plus hundreds of other eminent citizens of the valley in their individual capacity, feels that the Smart City concept as it stands proposed by the Mussoorie Dehradun Development Authority (MDDA) appears to be premature for Dehradun.

The plan is to “retrofit” an area it has called Zone 4 of Dehradun, a 3788 acre area that covers the Clock Tower or iconic Ghanta Ghar, Paltan Bazaar, Khurbura, Jhanda Sahib, Lakshman Chowk, Indirapuram, GMS Road, Mohitnagar, Indiranagar, Vasant Vihar, Rajendra Nagar, Vijay Park and Majra.

The Citizens’ Action Group agrees that the town or city centre of Dehradun needs refurbishment but it must keep in mind the fact that Dehradun exists in an eco-sensitive zone.

As a seminal report on Doon’s development by NEERI points out, “The Doon Valley is a distinct and unique ecosystem. The geological fragility and hydrological sensitivity of the Himalayan mountain system contribute to the

ecological sensitivity of the Doon Valley ecosystem. The deterioration of this fragile ecosystem is aggravated by poverty driven ecological degradation, in which resident population as well as migrants overexploited the forest and natural resources to meet their short term needs at the cost of long term equilibrium between environmental and societal systems. Unplanned industrial development and inappropriate technological choices have destroyed the balance.”

This is not just a damning indictment of ill-planned development but also bears omens of how difficult the future can be without a course-correction.

The area under “Zone 4” as described above therefore needs re-assessment.

For one, it takes us back to the boundaries of the contentious tea gardens, which are vital as a green lung. Secondly, this demarcation does not consider Dehradun’s improvement in a holistic manner. Rather, it appears to be a line drawn on a map.

The CAG suggests that Ghanta Ghar is made the hub of the smart city retrofitting plan, taking into consideration an arc that covers Paltan Bazaar, Jhanda Sahib, the river courses of the Rispana and Bindal and extends all the way to Dilaram Bazaar. The revival of these rivers is vital to Doon’s water-charging capabilities. Gandhi Park, Pavilion Ground and Parade Ground need to be brought under this Smart City plan, being the city’s only green and open areas.

This area is the heart of Dehradun in terms of heritage and history besides being its commercial centre. A maximum number of Doon residents and visitors regularly visit or pass through here. If this “smartification” is successful, the rest of Dehradun would undoubtedly benefit.

PROPOSALS

These are vital parameters that the smart city plan must cover:

Trees

Dehradun needs to go back to its tree-lined avenues. Roadside trees need to include local varieties like Peepal, Mango, Acacia, Silver Oak, Kachnar, Jamun and Tun as well as some ornamental trees as desired. While these trees will help with air pollution by absorbing CO₂, latex-bearing plants which can absorb NO₂ and SO₂ can be planted in road dividers. A return to Doon's once iconic litchi orchards would be magnificent.

Response: Planting of 20,000 Trees, included as part of the ABD - City Aesthetics Project

A Pedestrian Plaza from Ghanta Ghar to Paltan Bazaar

Paltan Bazaar can be a tourist attraction with its old-style shops with good bargains and a wide variety of products and all the atmosphere of a traditional Indian bazaar. The two-wheelers that are permitted however are a nuisance and a danger. The idea of making Paltan Bazaar vehicle-free needs to be reintroduced. Vehicles can be allowed at some point in the afternoons (1 pm to 3 pm) to allow shopkeepers to bring in their stock and also between 10 pm and 8 am. However, no pedestrian plaza can work without adequate parking which has to be accommodated within walking distance. The malls built for the rehabilitation of shopkeepers from Chakrata road are currently lying almost

empty and are eyesores. Their use needs to be reconsidered and their underground parking facilities increased.

Response: Paltan Bazar Pedestrianisation, included as part of the ABD - Sustainable Transport Goal Projects

Green and open spaces

Of what use is Dehradun's famed natural beauty and greenery when the truth, as we all know, is that our green cover is constantly being destroyed. Apart from Gandhi Park, we have no public park worth the name. From New York's Central Park to Mumbai's maidans, all cities need open green areas to improve air quality and allow citizens to appreciate and enjoy nature. The Smart City plan must earmark other smaller areas which can be transformed: for example, the old bus stand near Hotel Drona can also be utilised.

Heritage conservation

Dehradun is known for its grand institutions like the FRI and IMA. It is also home to some unique art and architectural features which can be seen, as at the Guru Ram Rai Darbar at Jhanda Sahib. The Smart City plans needs to keep these precious resources in mind. Pritam Castle, Arhat Bazaar, Tagore Villa, Imanullah Building, etc., must be included to save our history and culture.

Response: Clock Tower Heritage Restoration included as part of the ABD - City Aesthetics Goal Project

River Rejuvenation

The river courses of Rispana and Bindal are struggling under the burdens of encroachment, unchecked garbage and waste disposal and the blocking of their sources higher up in Rajpur and Jakhan. If we do not rejuvenate these, our future is in jeopardy given the twin threats of climate change and global warming. In addition, our canals are lost to mind and sight. The recharging of aquifers may be an additional blessing.

Response: River front development already being done by MDDA but Zone 4 is outside of the first phase of development. The second-phase will only start post 2019. Hence it is not included in SCP but will continue to be developed independently as part of Medium Term Goal

Pollution control

CAG proposals: An effective, efficient and sustainable solid waste management system to be put in place throughout the city. Air pollution, noise pollution, visual pollution to be monitored and controlled. Industries to be confined to designated areas outside the city. Slum-dwellers to be rehabilitated in accordance with the National Slum Policy, 2002. A strict moratorium to be imposed on construction on the slopes of fragile river-beds and *raos*.

Response: Multiple Projects like SWM Processing Plan, Green Building, Electric Buses, Pedestrianisation, Cycle Tracks, NMT, Water Park Project, LEDification of Street Lights etc. included under Clean City Goal, City Aesthetics Goal, Sustainable Transport Goal, City Core Infrastructure and Healthy & Safe Citizens Goals

Wifi and IT

Being “smart” in 21st century terms means the use of technology. Therefore free wifi and internet access are paramount. Special services for tourists and citizens could include information about emergency healthcare, restaurants, shops and so on. Effective use of IT could also help government services assess the extent and use of facilities offered. IT can help improve public services like water supply by checking on bill defaulters but also check on leakages and pilfering. Disaster management protocols must also be included in the IT section of the Smart City Plan.

Response: Public Wi-Fi provisioning thru Intelligent Poles Included as part of the Pan City - City Nervous System and iPoles Projects

Tourist facilities

Any smart city needs well-marked road signs, which includes tourist attractions and roadside maps. Information kiosks which use technology and/or manpower are an additional much-needed feature. An adequate number of ATMs in the area would be of additional help.

Response: City Signage Project under City Aesthetics Goal and DehradunOne Project under Pan City covers tourism support services/ infrastructure

Roads, pavements and transportation

Solar lighting, already in use on hill roads in the Guniyal Gaon and Bhagwantpur areas of Dehradun will be of ecological and economical use and serve as an example to all of Dehradun. Pavements need to allow walking space as well as some greenery as well as water runoff. Existing infrastructure projects like flyovers must be completed. There is also a need to reduce the dependence on diesel and encourage autos, vikrams and buses to shift to CNG or battery options.

Response: Replacement of Vikrams with 200 eRickshaws and strengthening of Clean Fuel Driven Public Transportation Services included as part of the ABD - Sustainable Transport Goal

Allotments and water conservation

Many western cities now allow citizens to set up kitchen and/or regular gardens on public land. This not only encourages urban farming and increases greenery but also opens more city land for ground water recharging. Could this be considered in the smart city zone? It may well help the water department reduce its dependence on tubewells. Rooftop rainwater harvesting is another suggestion which accrues enormous benefit after a small initial investment.

Response: Included as part of the ABD - Healthy & Safe Citizens Goal

Vocational Training

Dehradun is already known for its educational institutions. But India and this city also need people with substantial skill training. Part of a smart city would

include encouraging the setting up of polytechnics and diploma colleges for professional training.

If these suggestions are kept in mind, Dehradun can become an example to the rest of India on how nature and development and the past and the present can coexist in harmony. We owe that much at least to the future.

Response: Included as part of the ABD - Learning4All Goal

Save the Tea Gardens

Although the destruction of part of Dehradun's tea gardens are no longer part of the current "Smart City" Plan, the CAG believes that we must work towards the conservation of this vital green space and heritage district of Dehradun. The tea garden area contains over 30,000 trees and also contains the upper catchment area of the Asan river. Then there are the tea gardens themselves, the first in India, which ought to be a matter of civic pride instead of the current indifference and ignorance.

The CAG suggests that the government works out how to preserve the Doon valley's tea heritage as well as this essential green lung. The existing tea gardens can be made into a museum of India's first teas. We could also showcase speciality teas with health benefits, as demonstrated by the committed and concerned tea workers.

Part of the land could become a biodiversity park, which allows nature to thrive and us to survive. A botanical garden, fruit orchards, herb gardens and floriculture are other possibilities.

The National Forest Policy of 1988 mandates that a forest cover of 66 per cent is maintained in the hills and of 33 per cent in the plains. NEERI suggests that Doon needs “harmonious and environmentally compatible growth” with “judicious exploitation” of Doon’s natural resources. There is a lesson waiting in those words.

Response: City Extension on Tea-Estate Not included in the Smart City Proposal

The CAG is certain that these suggestions will be taken on board so that Dehradun does not walk down the sorry road of other Indian polluted and unlivable cities.

References

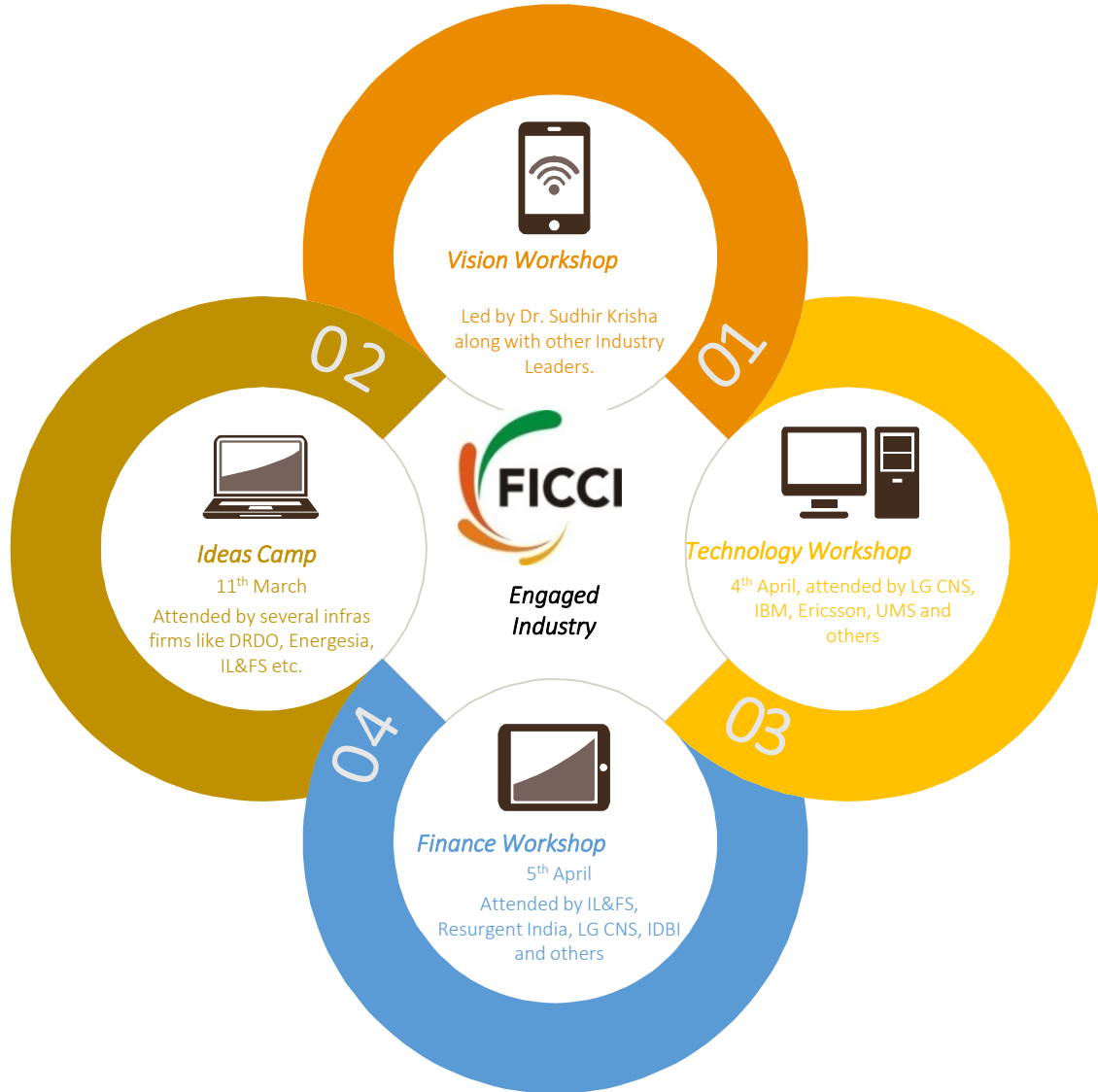
Smart City Guidelines, NEERI Report, National Forest Policy, National Slum Policy, 2002, Himanshu Parikh’s work in Indore slums;


CAG: CITIZENS’ ACTION GROUP ... and MEMBERS’ AREAS OF EXPERTISE

- All-India Consumers’ Council, Uttarakhand
- Astley Hall Traders’ Association
- DAV (PG) College Alumni Association
- Dhad Mahila Manch
- Doon Citizens’ Council
- Ex-Servicemen’s League
- Friends of the Doon Society ... *Greening, tree-planting*
- HESCO - Dr Anil Joshi ... *Greening, tree-planting*

- **Hindi Sahitya Samiti**
- **Human Rights Parishad, Uttarakhand**
- **Indian Medical Association, Dehra Dun** ... *Bio-waste management*
- **IAU-Industries Association of Uttarakhand** ... *Non-Polluting Industries*
- **Mahila Bal Kalyan Samiti**
- **Mahila Kalyan Udyog Kendra**
- **Maiti Tree Foundation** ... *Greening, tree-planting*
- **Making a Difference by Being the Difference** ... *River Rejuvenation, SWM*
- **Navdanya** ... *Bio-diveristy Park*
- **Pammi Nanda Foundation**
- **Peoples' Science Institute** ... *Water conservation, pollution mgt; slum rehabilitation*
- **Pramukh** ... *Solid Waste Management*
- **Research Foundation for Science, Technology, Ecology** ... *Biodiversity*
- **Doon Residents' Welfare Front** ... *Greening, Colony Planning*
- **SEWAA**
- **Shail Kala Manch, Dehra Dun**
- **University Women's Association** ... *Vocational Education*
- **U-Turn Foundation** ... *Biodiversity, Greening*
- **Waste Warriors Society** ... *Solid Waste Management*

Stakeholder Engagement– Workshops & Support






KPIT/15-16/1703/MDDA/1

To,
The Vice Chairman,
Mussoorie Dehradun Development Authority (MDDA),
Transport Nagar, Saharanpur road,
Near ISBT, Dehradun-248001

Subject – Letter of support for Dehradun Smart City In



March 17, 2016

Esel Infraprojects Limited
Corporate Office: 20th Floor, A Wing, Mirazhob Future, N.M. Joshi Marg, Lower Parel, Mumbai - 400 013
Tel: +91 22 7108 4464 • Fax: +91 22 7108 4500

1st April, 2016

To,
Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: **Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India**

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

OYO's goal is to change the way people stay away from home. OYO is India's largest branded network of hotels spread across 174 cities with 5000+ hotels offering standardized stay experiences at an unbeatable price. OYO uses technology to link all its functions and provide the customer a seamless awesome experience. From a single hotel in May 2013 to over 5000+ hotels at present, OYO has been an inspiring journey from a smart idea to India's largest branded network of hotels with the dream of becoming the world's largest branded network of hotels.

We will be happy to partner with the Government of Uttarakhand for promoting tourism in the State and provide our expertise in marketing, technology and consulting services.

We understand that the formal engagement of our services shall be subject to the procurement policies of the State government.

We wish to extend my full support to the Mission towards the multilateral development of the city into a Smart City by managing Solid Waste management facility with Plasma gasification technology being **Indigenously India**. Plasma Gasification Technology was developed with CSR-DMER, Durgapur (open body established in 2002 by Government of India, and it took 7 years from 2008 to 2014) to develop it.

General Benefits Derived as a G2G3700 Plant

- It will generate 8.8 million units of clean & green net power annually
- 100 tons of Slag is produced per annum which can be used for making bricks and laying roads
- No air pollution, no dust and fumes emissions. Hence it provides a clean environment.
- No waste segregation required which makes the operation simple and easy.
- No Green-house gas emissions.
- Landfill area not required that saving enormous amount of landfill area.
- For every ton of MSW processed through Plasma 2 tone CO2 (GHG emissions) is reduced from the Atmosphere.

4th April, 2016

Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: **Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India**

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I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

We wish to take this opportunity to introduce the Pooled Municipal Debt Obligation (PMDO) facility, as an option for the financing of the proposed projects under Smart City and AMRUT.

PMDO Facility is a unique facility created to fund Urban Local Bodies and PPP projects in urban infrastructure sector. The Facility offers long tenor INR loans with tailor made repayment terms to match the cash flows from identified revenue streams.

The broad terms and conditions of financing under PMDO facility are mentioned below for your consideration:

Borrower	Dehradun Municipal Corporation
Lenders	A consortium of Financial Institutions and Banks under 'Pooled Municipal Debt Obligation' Facility.
Project	Proposed projects under Smart City & AMRUT.
Debt Amount	Up to Rs. 500 crores
Tenor	Maximum of 13 years (including upto 3 years of principal moratorium period)



To,
Sri R. Meenakshi Sundaram, I&S
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: **Letter of Support for Dehradun Smart City Initiative under Smart City Mission**

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- No waste segregation required which makes the operation simple and easy.
- No Green-house gas emissions.
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- For every ton of MSW processed through Plasma 2 tone CO2 (GHG emissions) is reduced from the Atmosphere.

Monday, 21 March 2016

Sri R. Meenakshi Sundaram
State Nodal Officer-Smart Cities &
Vice Chairman, Mussoorie Dehradun Development Authority

Subject: **Offer for debt financing of projects under Smart City and AMRUT**

Dear Sir,

It gives me immense pleasure to congratulate the City Administration & Smart City Nodal agency for its effort towards the participation of Dehradun in Smart City Mission.

I firmly believe that Dehradun is an excellent candidate for Smart City and by understanding the challenges and identifying the prime areas of development, the Mission can be efficiently accomplished.

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Project	Proposed projects under Smart City & AMRUT.
Debt Amount	Up to Rs. 500 crores
Tenor	Maximum of 13 years (including upto 3 years of principal moratorium period)

IL&FS Financial Services
IL&FS Urban Infrastructure Managers Limited
48B, Kamadhani Centre, 1st & 2nd Floor, South Wing, Anna Salai, Chennai - 600 035, Tamil Nadu.

Engagement with CAG

CAG participated actively in all the workshops organized by FICCI and presented their views

They prepared a detailed document with Smart City Interventions and submitted to the Dehradun Smart City Mission

2 Meetings organized with the Mission team for discussion on all the interventions

- a) 7th April
- b) 19th April

----- Forwarded message -----

From: **florencepandhi** <florencepandhi@gmail.com>
Date: Wednesday 20 April 2016
Subject: Regarding Citizen Outreach Programme for Smart City Project
To: PMU MDDA <pmumdda@gmail.com>

Dear Dr. Sundaram,

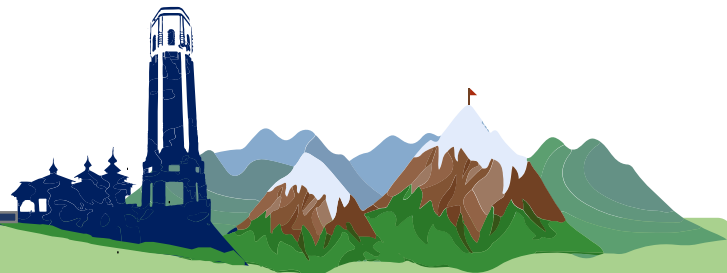
Thank you for your letter, dated below. Citizens' Action Group offers its support to the ongoing Smart City Plan (2nd draft), and, in principle, would be happy to be a part of the Citizens Initiative in all stages of planning and implementation. At some time soon, it would be helpful and instructive to meet with the planning authority to discuss certain aspects of the ongoing programme, in order to clarify our commitment.

Best wishes,
Florence Pandhi,
Coordinator,
Citizens' Action Group

Sent from my iPad

4.13

Sewer Line Project Detail



Contractor...
EE

3 | S.E. | 2014-15

Execution of Laying of sewer line & its appurtenant works at zone M(CS-5) under Behadth Saverage scheme, 13th Finance

M/s S. M. Construction
 109 Adan Bagh Extension, Dayal Bagh, Agra.
 66649657-90

Union Bank of India Agra BGINO 5009016, L0000215
 N 9-1-15 Rs. 6665000/-

100/- 18-02-15 / 17-08-15

समय बंद
 जहाँ जहाँ मिनी मंड देकर
 के 4215 86/मार्च 2110/44
 दिनांक 9-5-11 एर दिनांक 18-08-15
 17-11-15 को भी समय बंद की जाये
 उक्त की राशि उतारवा 7 चले

Sl. No.	Particulars	Amount	Withheld	Released	Balance	Remarks
1	5045877-444(L) 7-32	260000.00	100970.00	160970.00	50460.00	4533477.00
2	8743371-444(L) 31-79	440000.00	174900.00	174900.00	87435.00	7866136.00
3	8503000-444(L) 80-134	800000.00	170060.00	170060.00	85030.00	77850.00
4	7487873-444(L) 135-175	200000.00	149780.00	149780.00	74880.00	6913433.00
5	29929356-459(L) 1-23	800000.00	598600.00	598600.00	299295.00	2043206.00

Withheld Released for Rs. 40,00,000 as only (Forty Lacs only)
 vide M.B.NO 364(S) Page No 124 sm satendra kumar AAE

DA EE

Contractor

4 / S.E / 2014-15

CONTRACT BOND NO.
 NAME OF WORK ..Execution of Laying of sewer line and its appurtenant works (Slice - 4) under Dehbandun Sewerage Scheme 13th Finance Commission
 Name of Address of Contract

M/S. S.M. Construction
 109 Adan Bagh Extension
 Doyal Bagh Agara.

4. Gross Amount of Contract 40456551-37

5. Security Deposited ..Union Bank of India B.G. NO 520901610002216 Date 16-7-14 ₹ 1,00,000
 of India B.G. NO 520901610002216 Date 16-7-14 ₹ 1,00,000
 B.G. NO 520901610002216 Date 16-7-14

6. Stamp Duty 100/-

7. Date of Start 2/3/2015 1-9-2015

8. Extension Granted up to (i) 31/12/15

(ii)
 जल निकाश योजना
 अंश 4 का 22/11/15 21/10/15
 1-11-2015 तक का समय 31/12/15
 तक का समय 31/12/15
 अंश 4 का 22/11/15

Copy of Contract bond Supplied

Contractor

Sl. of bill No.	Gross amount of bill	M.B. No.	Material	Security	Income Tax	Trade Tax	Other deduction	Net Payment	Signature DA
1	2	3	4	5	6	7	8	9	10
	6263206	431(L)	withheld	—	24	24	cess 1/		
	6263206	1-471	—	—	125300	125300	62633	5949973	DA
	14216089	431(L)	500000	—	284330	284330	142162	13005262	DA
	3819905	431(L)	200000	—	76400	76400	38200	3428905	DA
	7533938	431 L	500000	—	150680	150680	75340	6657238	DA
	7052653	366(S)	1505000	—	141060	141060	70527	5195006	DA
	10230184	366(S)	—	—	204610	204610	102302	9713662	DA

Withheld released for Rs. 1505000 only
 Vide M.B NO 366(S) Page No 93 Shri B.S. Rawat A.P.C

DA AE

B.G. for Mobilization Advance

Released & transferred to Security of ...
 transferred to security of this CoB.
 All Bank Guarantees Released

- 1. B.G. No-144315ILPER0002 ₹ 7,40,000/- only
- 2. B.G. No-144315ILPER0003 ₹ 4,00,000/- only
- 3. B.G. No-144315ILPER0004 ₹ 4,00,000/- only
- 4. B.G. No-144315ILPER0005 ₹ 4,00,000/- only
- 5. B.G. No-144315ILPER0006 ₹ 4,00,000/- only
- 6. B.G. No-144315ILPER0007 ₹ 4,00,000/- only
- 7. B.G. No-144315ILPER0008 ₹ 4,00,000/- only

SEP 14-15

EX-EN

1. CONTRACT BOND NO.

2. NAME OF WORK Execution of sewer line and its appurtenance works under
 Dehradun Sewerage scheme (S-3) under 13th Finance Commission

3. Name of Address of Contract

M/S Ankita Construction, B-12
 Indira Nagar, Shopping Complex, De Dun,
 TG: 313,79,669-34

Gross Amount of Contract

Security Deposited

United Bank F.D.R. No. 040443 DF 10-12-14 ₹ 6,30,000/-
 No. FDR's released due to security 40423 DF 10-12-14 ₹ 1,40,000/-
 of B.G. No-144315ILPER0001
 United Bank of India, Indira Nagar. 040386 dated 7.10.14 ₹ 8,00,000/-
 15,70,000/-

Stamp Duty

₹ 100/-

Date of Start

28-1-15 / 27-07-2015

Extension Granted up to

(i) B.G. No-144315ILPER0002 ₹ 7,40,000/- only
 B.G. No-144315ILPER0003 ₹ 4,00,000/- only

20. Copy of Contract bond Supplied

Sl. of bill No.	Gross amount of bill	M.B. No.	Material Mobilization Adv. Advance	Security	Income Tax	Trade Tax	Other deduction	Net Payment	Signature
1					21	41	12310	9	
	3137000	373(S)			6	7		3137000	DA
	4000000	374(S)						4000000	DA
	1036850	390 L	740000	50000	207250	207250	400000	5052747	DA
	3000000	374(S)						3000000	DA
	459422	390 L	400000	20000	45940	91890	183770	3672618	DA
	6621990	170-18	200000	10000	66370	13275	265500	3000000	DA
	6900719	390 L	700000	35000	69008	138020	276030	5717661	DA
	5957667	374(S)	1253946	50000	69577	137160	276030	4959446	DA

Withheld Amount ₹ 350000/- released
 Vice M.B. No 374(S) Page No 41 shri U.P. Raturi OAB

B.G. No- 00760017915 Dated 22-6-15 ₹ 4,18,00,000/- only and B.G. No- 00760017815 Dated 22-6-15 ₹ 3,36,00,000/- only Released

EX-EN

Contractor

Contractor

Contractor

1. CONTRACT BOND NO. 215.E. / 2015-2016

2. NAME OF WORK Confirmatory Survey, Design, construction testing and commissioning (with one year defect liability) period of following works with all appurtenant works on Item Rate Contract basis including supply of all material, labour, T&P in Zone M, C and L (part) of Dehradun sewerage zone, 60 Km sewer line of size 150mm to 1400mm EI K-7 S&S, RCC NP-3/34 C & S pipe, as per requirement and appurtenant works

3. Name of Address of Contract Env.S Infracon Pvt. Ltd. C-88, K.D.C. Raj Nagar, Ghaziabad, Uttar Pradesh.

4. Gross Amount of Contract Rs. 75,11,28,01.30 (Seventy five crore forty one lac twelve thousand eight hundred one & Paise eighty only)

5. Security Deposited Oriental Bank of Commerce, Ghaziabad. B.G. No. 00760011915. Dated 14-5-15 Rs. 37710000-00

6. Stamp Duty 100/- 37710,000-00

7. Date of Start 12.6.2015 to 11.6.2016

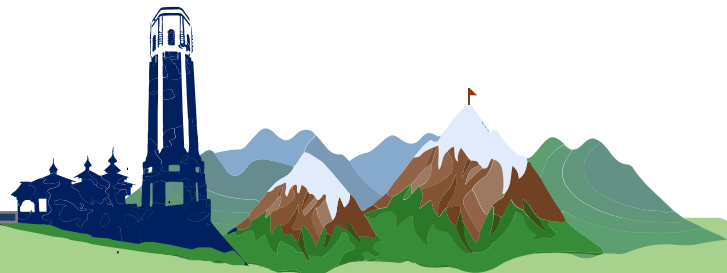
8. Extension Granted up to (i) _____
(ii) _____

10. Copy of Contract bond submitted II R. Bill No. 11312419 for Mobilization Adv. 2015-16

Sl. No. of bill	Gross Amount of Bill	M.B. No.	Material Mobilization Adv. Paid	Security Amount Withheld	Income Tax	Trade Tax	Other deduction	Net Payment	Remarks
1	2	3	4	5	6	7	8	9	10
	75400000	19						75400000	
	25731679	443(L)	4818700	2730000	514640	154390	257320	15867118	DA EE
	53350779	419(L)	9736650		1067100	3201100	533510	38812419	DA EE
	64650296	419(L)	30000000	13500000	1293010	3879020	646505	15331761	DA EE
	40150029	442(L)	15000000	3234000	803030	2409070	401515	18303414	DA EE
	46660412	456(L)	8965256	26840000	933210	2799630	466605	6655711	DA EE
	11312419	69							DA EE

4.14

Departmental Support Letters



Letter No. 2.7.4/PS/1/1/2017

Date:- 28/03/2017

To,
Nodal Officer, Smart City/
Vice Chairman, Mussoorie Dehradun Development Authority
Dehradun

Subject: Consent Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India- Reg.

Regarding:- Dehradun Smart City Proposal

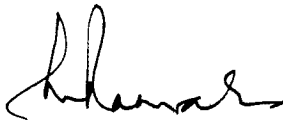
Dear Sir,

This is to express our willingness and consent for Dehradun Smart City Proposal for the following terms:-

- The Department will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- The Department will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- The Department will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- The Department will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.
- The Department will consult with the Nodal Agency Smart City and exchange necessary information for coordination and collaboration purpose.

Thanking you,

Regards,



Mrs. Manisha Panwar

Principal Secretary

RD/P. Raj/MSME

Uttarakhand Secretariat

Dehradun

(मौखिक रूप से)

प्रमुख सचिव

ग्राम्य विकास एवं पंचायती राज विभाग
उत्तराखण्ड शासन

154/PO-DM/Camp/2017

Letter No. /2017

Date:- 28 Mar 2017

To,
Nodal Officer, Smart City/
Vice Chairman, Mussoorie Dehradun Development Authority
Dehradun

Subject: Consent Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India- Reg.

Regarding:- Dehradun Smart City Proposal Your ref. no 3062/PMU/MDDA/2017

Dear Sir,

This is to express our willingness and consent for Dehradun Smart City Proposal for the following terms:-

- The Department will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- The Department will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
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Thanking you,

Regards,



.....
(RAVINATH RAMAN)

.....
District Magistrate, Dehradun.

Letter No. S.T.-S.S.P.-0.57/2017

Date:- 28/3/2017

To,
Nodal Officer, Smart City/
Vice Chairman, Mussoorie Dehradun Development Authority
Dehradun

Subject: Consent Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India- Reg.

Regarding:- Dehradun Smart City Proposal

Dear Sir,

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Thanking you,

Regards,



.....

.....
S.O. SUPD. OF POLICE
DEHRADUN
.....

Letter No. 769/Smart City/2017

Date:- 29.3.17

To,
Nodal Officer, Smart City/
Vice Chairman, Mussoorie Dehradun Development Authority
Dehradun

Subject: Consent Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India- Reg.

Regarding:- Dehradun Smart City Proposal

Dear Sir,

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Thanking you,

Regards,



.....
(NAVNEET PANDE)

.....
DIRECTOR, URBAN DEVELOPMENT

.....
GOVT. OF UTTARAKHAND.

Letter No. 366/2017-05-15/2017

Date: 29-03-2017

To,
Nodal Officer, Smart City/
Vice Chairman, Mussoorie Dehradun Development Authority
Dehradun

Subject: Consent Letter of Support for Dehradun Smart City Initiative under Smart City Mission of Government of India- Reg.

Regarding:- Dehradun Smart City Proposal

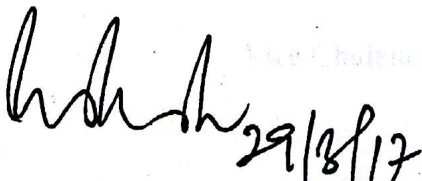
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Thanking you,

Regards,



(Dr. Umakant Parwar)
Principal Secretary
Deptt. of Power, Home & Jail
Govt. of Uttarakhand

No. 206/III(3)/05(Gen.) /2017

From :

**Arvind Singh Hyanki,
Secretary Incharge,
Government of Uttarkhand,**

To,

**Dr. V. Shanmugam,
Nodal Officer, Smart City/
Vice Chairman,
Mussoorie-Dehradun Development Authority,
Dehradun.**

**Public Works Deptt.(Sec.III) Dehradun : Dated : March 29 : 2017
Subject : Consent letter of Support for Dehradun Smart City Initiative
under Smart City Mission of Government of India.**

Regarding : Dehradun Smart City Proposal.

Dear Sir,

This is to express our willingness and consent for Dehradun Smart City Proposal for the following terms :-

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Thanking you,

Yours faithfully,


**(Arvind Singh Hyanki)
Secretary Incharge.**

From :

**Arvind Singh Hyanki,
Secretary Incharge,
Government of Uttarkhand,**

To,

**Dr. V.Shanmugam,
Nodal Officer, Smart City/
Vice Chairman,
Mussoorie-Dehradun Development Authority,
Dehradun.**

Deptt. of Drinking Water (Sec.II) Dehradun : Dated : March 29 : 2017

**Subject : Consent letter of Support for Dehradun Smart City Initiative
under Smart City Mission of Government of India.**

Regarding : Dehradun Smart City Proposal.


Dear Sir,

This is to express our willingness and consent for Dehradun Smart City Proposal for the following terms :-

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