ANNEXURE II

	Features	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for the full city with regard to each feature	Basis for assessment and/or quantitative indicator (Optional - only if data exists)	Projection of 'where city wants to be' with regard to the feature/ indicator based on the city vision and strategic blueprint.	Input/ Initiative that would move the city from its current status to Advance Status. (Scenario 4: Column G))
1	Citizen Participation	**A smart city constantly shapes and changes course of its strategies incorporating views of its citizen to bring maximum benefit for all. (Guideline 3.1.6)**	The City begins identifies priorities and projects to pursue without consulting citizens.	City undertakes citizen participation with some select stakeholders. The findings are compiled and incorporated in some projects or programs. Very few major decisions are shared with citizens until final projects are unveiled.		City constantly conducts citizen engagement with people at each Ward level to incorporate their views, and these shape priorities and development projects in the city. Multiple means of communication and getting feedback such, both face-to-face and online are utilized. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizens.	**Scenario 2** City undertakes various citizen engagement for different purposes. Number of Workshops, Stakeholders Consultations, Focused Group Discussions etc are done time to time for various Urban Initiatives but the consultations are limited to select stakeholders only.	**1.** GMC hold a Online Public Poll for various urban initiative over its website time to time. **2.** City has Online Jan Sunvai, Janmitra Samadhan Kendra, Notice board services etc. **3.** Consultation were done while preparing City Development Plan(CDP), City Sanitation Plan (CSP), Slum Free City Plan (SFCPoA), Urban infrastructure Development Scheme for Small and Medium Towns (UIDSSMT), Integrated Housing and Slum Development Program (IHSDP)etc. On an average 40-45 persons are consulted in each of the workshops. **4.** GMC has also expanded its public outreach through the use of social Media such as Facebook, Twitter and whatsapp. The city is on its way to soon launch a Citizen App for various citizen services over a single platform.	**Scenario 4** • Wider Citizens engagement involving maximum stakeholders at each level (City/Ward/Zone/Sector specific groups) • Use of all mediums to ensure maximum outreach (off-line and On-line) • Engagement on each stage of various types of projects (Policies, Strategies, Plans and Projects) • Incorporation of valuable inputs	**1.** Creating a single integrated citizen portal (and mobile app of the same) and all G2C communication. Presently there are many government websites providing different facilities. Additionally all such websites should mandatorily be disable friendly. **2.** Establishing Management Information System for Collection, Collation, Validation and Analysis of citizens input during various stages of any Multi-stage citizens engagement programme.
2	Identity and Culture	**A Smart City has a unique identity, which distinguishes it from all other cities, based on some key aspect: its location or climate; its leading industry, its cultural heritage, its local culture or cuisine, or other factors. This identity allows an easy answer to the question "why in this city and not somewhere else?" A Smart City celebrates and promotes its unique identity and culture. (Guideline 3.1.7)**	There are few architectural monuments, symbols, and festivals that emphasize the unique character of the city. Built, natural and cultural heritage is not preserved and utilized or enhanced through physical, management and policy structures.	Historic and cultural resources are preserved and utilized to some extent but limited resources exist to manage and maintain the immediate surroundings of the heritage monuments. New buildings and areas are created without much thought to how they reflect the identity and culture of the city.	Historic and cultural heritage resources are preserved and utilized and their surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city;-	Built, natural and intangible heritage are preserved and utilized as anchors of the city. Historical and cultural resources are enhanced through various mediums of expression. Public spaces, open spaces, amenities and public buildings reflect local identity and are widely used by the public through festivals, events and activities.	**Scenario 2** Gwalior and Surrounding has vast tangible and intangible cultural heritage. Gwalior fort is one of the best preserved fort in India. Some other famous structures are also preserved such as Tansen Tomb, Maharani Lakshmi bai tomb, Jai Vilas Palace etc. Remaining structures specially in Bada area are poorly conserved with uncontrolled growth in their surroundings	**Tangible Heritage** **1.** Gwalior was awarded as the "Best Heritage City" by the President of India during National Tourism Award 2013-14. **2.** About 400 tangible heritage structures exist in the city. Gwalior Fort and Tomb of Tansen are the two ASI monuments of National Importance which falls with-in the city limits. Apart from these, Gwalior District houses 6 other ASI sites. Also, there are 12 other State Protected monuments in city. **3.** World longest existing narrow gauge network, The Gwalior Light Railway (GLR) has been proposed for inclusion as UNESCO World Heritage Sites by GoI. **4.** Gwalior's is a major tourist destination and is part of 4 tourist circuits planned by GoMP. It is also part of Delhi-Agra-Gwalior-Jhansi-Orchcha-Khajuraho circuit of central government. Additionally Gwalior falls within Ganga Hinterland Tourism Plan of UP Tourism. **5.** The very first occurrence of zero as a written number in the world has been recorded at Ganesh temple of the Gwalior Fort. **6.**The richness of Gwalior is further enriched by its Museums. Archeological Museum at Gwalior has a large and varied collection of antiquities from the region. Sarod Ghar- A Museum of Music has been set up in the old ancestral house of great musician Hafiz Ali Khan. Other Museums of tourist interest are Jai Vilas Palace, Gujarat Mahal, Jivaji Rao Scindia Museum, Municipality Museum. **In-tangible Heritage** **1.** Gwalior Gharana is one of the oldest Khyal Gharana and a famous school of Hindustan Classical Music. **2.** Tansen Sangeet Samaroh is a National Music Festival celebrated every year is attended by the world renowned Sarod Maestro. The four day musical extravaganza attracts art and music from all over the world. **3.** Guinness Book of Records certified the Mural at Shyam Vatika Auditorium as the World's Largest Indoor Mural in August 2005.	**Scenario 4** • Reinventing the identity of the city based on its key features (Cultural Identity, Music, built Heritages etc) • Intelligent enhancement and capitalization of cultural resources for promotion and marketing of tourism	**1.** The implementation of policies, regulations, arts & cultural programs and incentives that support, preserve and enhance the unique identity of the city. **2.** Develop an open platform for ICT for Cultural offerings (knowledge about cultural heritage, its understanding, conservation and preservation), **3.** Ensure enhanced recreational access to local attractions as an economic development strategy though its integration in planning. **4.** Restoration and adaptive reuse of Urban Heritage
3	Economy and Employment	**A smart city has a robust and resilient economic base and growth strategy that creates large-scale employment and increases opportunities for the majority of its citizens. (Guideline 2.6 & 3.1.7 & 6.2)**	There are some job opportunities in the city but they do not reach all sections of the population. There are a high number of jobs in the informal sector without sufficient facilities.	There is a range of job opportunities in the city for many sections of the population. The city attempts to integrate informal economic activities with formal parts of the city and its economy.	There are adequate job opportunities for all sections of society. But skill availability among residents can sometimes be a challenge.	There are adequate opportunities for jobs for all sections of income groups and skill levels. Job-oriented skill training supported by the city and by industry. Economic activities are suited to and build on locational and other advantages of the city.	**Scenario 2** Trade and commerce is the main economic activity in the city. Also there are seven industrial parks nearby Gwalior city that provides some job opportunities to city. However The youth prefer to migrate outside of Gwalior due to absence of any jobs in IT sector. Handloom (carpet), handicraft and stone ware making are some of the informal economic sector present in the city.	**1.** Gwalior is one of the Counter-Magnet City to the National Capital Region. GoMP in the year 1992, Constituted a Special Area Development Authority (SADA). The jurisdiction of SADA (Gwalior West) covers an area of 30,000 hectares **2.** Trade, Commerce and service sector are the major drivers of the economy of Gwalior. Historic markets such as Maharaja Bada, Sarafa Bazaar, Patankar Bazaar are thriving hubs of commercial and economic activities. **3.**The popular handicrafts of Gwalior like hand-woven Carpets and Stoneware are produced by more than 20,000 carpet units and 1,000 sandstone units operating informally in the city. Other famous traditional handicrafts products are lacquer ware, metal ware, sculpture, Chanderi and Maheshwari Saris. **4.** There are 20 identified Hawker Zones in the city. Also the Bada area has 5 Wholesale Trade Markets (Mandis). **5.** The Gwalior trade fair is India's second largest trade fair organized in the month of January every year. The 6 week event with more than 100 participating artisans and visitor footfall of over 150 Lakhs makes an estimated sale of about Rs. 500 Crore. The city has a dedicated fairground of 104 Acre for this purpose. **6.** Stone mining is one of the significant economic activities of Gwalior Region. Gwalior is popular for export of Gwalior Mint, Farsi and Gwalior Fossil Stones. There are total 132 mineral stone mines and 77 Farsi stone mines in Gwalior district. **7.** Many big corporate names like Cadbury, kodak, SRF, Crompton Greaves, Godrej, Atlas, NOVA, Surya Roshani, Magnum Steel, Kurlon, GAIL, Ranbaxy and many more have already established their feet in the region. **8.** Malanpur & Ghirongi are the two Industrial Growth Centers in the vicinity of Gwalior (10 Km from City) have 117 Large, Medium and Small manufacturing units of which 11 are Export Oriented Units. **9.** Industrial Areas of Birlanagar, Maharaj-pura and Baraghatta falling within City Area and covering an area of 1360 Ha is attracting confectionary, transformers, electrical items, stone cutting industries. **10.** GoMP has established a Garment Park and an IT Park at Gwalior in 2012. The city also houses Stone Park in Hazira and Industrial Park at Rairu.	**Scenario 4** • Explore initiatives to create Equitable Job Creation in the city (Job creation for all wage levels, diversity of employment opportunities and Skill Development) • To build a highly skilled and flexible workforce • To concentrate on retaining and expanding existing local businesses	Providing numerous skill training opportunities with a provision of subsidy in fees & scholarships and connecting government resources directly with communities to create jobs, improve the business climate, coordinates job training, placement, and skills development and address local and regional challenges.

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4	Education	**A Smart City offers schooling and educational opportunities for all children in the city (Guideline 2.5.10)**	The city provides very limited educational facilities for its residents. There are some schools but very limited compared to the demand. Many schools are in poor condition.	City provides adequate primary education facilities within easily reachable distance of 15 minutes walking for most residential areas of the city. The city also provides some secondary education facilities.	City provides adequate primary and secondary education facilities within easily reachable distance for most residential areas of the city. Education facilities are regularly assessed through - databases of schools including number of students, attendance, teacher - student ratio, facilities available and other factors.	City provides adequate and high-quality education facilities within easily reachable distance of 10 minutes walking for all the residential areas of the city and provides multiple options of connecting with specialized teaching and multi media enabled education. Education facilities are regularly assessed through database of schools including number of students, attendance, teacher-student ratio, facilities available and other factors.	**Scenario 3** The existence of various educational institutes in Gwalior city and its vicinity has established Gwalior as an educational hub. City has some oldest institutions established in state. However the city still lacks the smart education facilities like multimedia class rooms	**1.** Various Govt. colleges/ universities of different fields like Music, Agriculture and Engineering provide domain specific education. **2.** Raja Man Singh Tomar Music & Arts University and Lakshmibai National University of Physical Education (LNUPE) adds versatility to the education at Gwalior. **3.** National level institutions like LNUPE, ABV-IIITM, IITTM, OTA (NCC Women's) are here. In addition, reputed private institutions like Amity, DPS, and GD Goenka also have their campuses within the city. The famous Scindia School is a feather in the cap. No of Primary and Middle Schools : 1263 (Govt.- 413; Private- 850) No of Senior Secondary Schools : 298 (Govt.- 20; Private- 278) No of Collages/Universities : 181 **KPIs** **Literacy Rate in the City (2011 Census) : 73.38 %**	**Scenario 4** • Ensuring availability of high-quality educational facilities at 10 Minute walk for all Neighborhoods • Ensuring provision of Technology enabled Modern Education accessible to all section of the society • Enabling assessment and monitoring of all educational facilities to improve Primary and Secondary Education	**1.** Development of Smart Classrooms in all the government schools which have facilities by technology like Live Virtual Classrooms, e-courses, digital contents, computer facilities with high-speed internet facility etc. **2.** Mapping of all Education facilities and developing new primary schools at places where they are absent within 10 min walk from the neighborhood.
5	Health	**A Smart City provides access to healthcare for all its citizens. (Guideline 2.5.10)**	Healthcare is difficult for citizens to access - demand for healthcare often exceeds hospitals' ability to meet citizen needs.	The city provides some access to healthcare for its residents but healthcare facilities are overburdened and far from many residents. Access to preventive health care is only easily available for some residents.	City provides adequate health facilities within easily reachable distance for all the residential areas and job centers of the city. It has an emergency response system that connects with ambulance services.	City provides adequate health facilities at easily accessible distance and individual health monitoring systems for elderly and vulnerable citizens which are directly connected to hospitals to prevent emergency health risks and to acquire specialised health advice with maximum convenience. The city is able to foresee likely potential disases and develop response systems and preventive care.	**Scenario 2** City offers best medical facilities in region. The proposed 1000 bedded hospital is proposed to have emergency response system. However this system is not available in other hospitals of the city. Individual health monitoring system is not available as of yet.	1. The famous JA Hospital, Gajararaja Medical College, Kamlaraja Maternity Hospital, Birla Institute, Cancer Hospital, Mental Hospital are some big names in city health infrastructure. In addition, Sahara, Global, Mascot, KDJ, Ratan Jyoti Netralaya, Anandpur Trust Eye Hospital are there to cater the needs of common people. 2. A new 1000 bedded multi-spatiality hospital is approved by GMC. No. of Medical Facilities : 184 Total No. of Beds : 4049 **KPIs** **Population to Bed Ratio : 4.1 Beds per 1000 persons**	**Scenario 3** • Adequate and accessible Health Facility for all. • Ensure responsive management of Medical Emergencies • Safeguard citizens from Health Risks especially for vulnerable citizens • Periodic Monitoring of Hospital Data-base on ailments and diseases	• Mapping of Health Facilities and provision of Health Facilities for un-served Areas, • Management of Ambulance Services by integrating multiple service providers and hospitals, • Monitoring of Health of Vulnerable citizens such as Child, Pregnant Women, Elderly citizens, • Collection and Monitoring System for Hospital Data-base on ailments, diseases and other feature wise admissions and discharges.
6	Mixed use	**A Smart City has different kinds of land uses in the same places; such as offices, housing, and shops, clustered together. (Guidelines 3.1.2 and 3.1.2)**	The city has mostly separated uses and areas are focused either on residential, commercial, or industrial, with little co-existence of uses. The average resident cannot walk to the closest market or shops near his or her home. For almost everyone, going to work or going shopping for basic needs requires a journey by automobile or bus of more than 15 minutes. Land use regulations prevent putting commercial or office locations in residential neighborhoods and vice versa.	In some parts of the city , there is a mixture of land uses that would allow someone to live, work, and shop in close proximity. However, in most areas, there are only small retail stores with basic supplies near housing. Most residents must drive or use public transportation to access a shop for food and basic daily needs. Land use rules support segregating housing, retail, and office uses, but exceptions are made when requested.	Most parts of the city have housing, retail, and office buildings in close proximity. Some neighborhoods have light industrial uses within them (e.g., auto repair, craft production). Land use rules allow for mixed uses.	Every part of the city has a mix of uses. Everyone lives within a 15-minute trip of office buildings, markets and shops, and even some industrial uses. Land use rules require or encourage developers to incorporate a mixture of uses in their projects.	**Scenario 3** Inner city areas of Bada is the live example of High density, Compact and Mixed use Development. There are some stone ware industries.	**1.** The City has about 600 Ha of developed mixed land use. **2.** The GDCR provides flexibility for mixed use development with light industries in Neighborhoods.	**Scenario 4** • Ensure that every part of the city has a mix of uses within the walkable distance of neighborhood.	Use of innovative zoning techniques and incentivizing mixed use development. Also, re-developing the land for more versatile use in the context.

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7	Compact	**A Smart City encourages development to be compact and dense, where buildings are located close to one another and are ideally within a 10-minute walk of public transportation, forming concentrated neighborhoods. (Guidelines 2.3 and 5.2)**	The city is expanding rapidly at its periphery into undeveloped land, rural or natural areas, or along industrial corridors - both formally and informally. Formal new development is occurring in a way that is "sprawling," meaning that the buildings spread across a wide area and are far from one another. Residents or tenants find it easier or safer to travel by automobile because it takes a long time to walk between destinations and there are busy roads separating buildings. Large pockets of land in the inner-city are vacant. New developments at the periphery tend to be large-scale residential	The city has one or two high density areas - such as the city center, or historic areas, where buildings are concentrated together and where people can walk easily from building to building and feel as though they are in center of activity. Most of the city consists of areas where buildings are spread out and difficult to walk between, sometimes with low-density per hectare. Regulations tend to favor buildings that are separated from one another, with lots of parking at the base and set-back from the streets. The city likely has some pockets of under-utilized land in the center. New formal developments at the	The city has multiple high density clusters that are easy to walk around where buildings are close together. However, the city actively encourages development to occur on under-utilized parcels of land into high-density, walkable areas. When new formal large-scale development projects happen at the periphery, they are encouraged to be dense and compact, with buildings that are close together and line the streets. The city actively encourages or incentivizes re-development of under-utilized parcels in the inner-city, especially those located close to public transportation.	The city is highly compact and dense, making the most of land within the city. Buildings are clustered together, forming walkable and inviting activity centers and neighborhoods. Regulations encourage or incentivize re-development of under-utilized land parcels in the city center. Buildings are oriented to the street –- and parking is kept to a minimum, located below ground or at the back of buildings. Public transport and walking connects residences to most jobs and amenities. Residential density is at an optimal with affordable housing available in most areas.	**Scenario 2** Old city areas are compact and dense whereas the outer areas are being developed on the basis of Development Plan provisions and many land parcels are underutilized.	**1**. Master Plan allows a maximum FAR of 1.5 for Residential and 1.75 for Commercial in the core city. **2.** 33 Wards out of 66 Wards in the city has a population density of above 200 PPH. **3.** Ward No. 2, 8, 9, 6, 10, 11, 13, 33, 35, 39, 36,, 40, 42, , 44, 46 have population density of above 400 PPH Developed Area Density (Built-up Area) : 158 PPH Maximum City Density in core area : 579 PPH (Ward No. 47) Maximum Household Density : 112 DUs/Ha No. of wards with density above 400 PPH : 15 No. of wards with density between 300- 400 PPH : 11 No. of wards with density between 200- 300 PPH : 7	**Scenario 4** • To ensure highly compact and dense development through optimum utilization of under-utilized potential land parcels in the inner-city. • Enforcing walk-to-work neighborhood concept by encouraging mix use developments	**1.** Incorporating TOD principles with differential FSI depending over the proximity to transit node and also provide incentivized FAR for mixed-use redevelopment project **2.** Ensure all redevelopment projects to be developed over mixed-use concept.
8	Public Open Spaces	**A Smart City has sufficient and usable public open spaces, many of which are green, that promote exercise and outdoor recreation for all age groups. Public open spaces of a range of sizes are dispersed throughout the City so all citizens can have access. (Guidelines 3.1.4 & 6.2)**	The city has very few usable public open spaces and very few usable green spaces. Available recreational spaces are located far away and are dispersed at long distances around the city. The few available public open spaces offer a limited variety of experiences for all sections of population and age groups such as places for sport, places for rest, and places for play.	A variety of public open spaces are available in some neighborhoods, but are not available in all the areas of the city or are located far away from residential areas Many of the open spaces have access restrictions, or are not well-maintained. A variety of types of public open spaces may be lacking, such as natural areas, green areas, parks, plazas, or recreation areas.	Most areas of the city have some sort of public open space. There is some variety in the types of public spaces in the city. However, public spaces are sometimes not within easy reach or access of more vulnerable populations and are more restricted in poorer neighborhoods.	Public open spaces are well dispersed throughout the city. Every residential area and work space has access to open space within 10 minutes walking distance. Open spaces are of various types - natural, green, plazas, parks, or recreation areas - which serve various sections of people. Public spaces tend to truly reflect the natural and cultural identity of the city.	**Scenario 2** Neighborhood parks and grounds are well distributed across the city but maintenance of these parks is an issue. There are variety of developed sports facilities in in the city.	**1.** The City has one Zoological Parks. Other prominent parks are Phool Bagh, Italian Garden, Ambedkar Park and Gandhi Park. **2.** Under AMRUT, 5 Parks covering an area of 31.8 Ha, have been proposed for development. **3.** As per MP Bhoomi Vikas Adhiniyam for approval of any township/colony 10% Green/Open space is mandatory. In case of High-rise building only 25-30% ground coverage allowed, remaining space will be developed as green/Open. **4.** Captain Roop Singh Stadium is a International Cricket Stadium. Another International Cricket stadium is proposed at Shankarpur village. Gwalior also has a Hockey Stadium with artificial turf. Jiwaji Club in the city has also many Sports Facilities. Developed Recreational Area in the City : 212 Ha Total Reserved Open-Space in Municipal Area : 2.46 % Total Number of Parks in the City : 557 Total Area of Parks : 10,95,738 sq. m. Number of Housing Area Parks : 526 Number of Neighborhood Level Parks : 21 Number of Community Parks : 10 10% parks has Child Friendly Play Equipment, 55% parks are well illuminated and 10% of the parks have landscape elements. Per Capita Open Space as per development plan : 9.5 sq. m. (Excluding Reserve Forest Area 3200 Hact. within city) **KPIs** **Per Capita Open Space as per (Census 2011) : 1.83 sq. m**	**Scenario 4** Ensure equitable distribution of public open space and integrating it with integration heritage areas and monuments.	**1.** Re-development of under-utilized land to create public open space within the walkabale reach of every neighborhood. **2.** Developing the undeveloped Public Open spaces all across the city.
9	Housing and Inclusiveness	**A Smart City has sufficient housing for all income groups and promotes integration among social groups. (Guidelines 3.1.2)**	Housing is very limited and highly segregated across income levels. Population growth far exceeds the creation of new housing. The poor live in informal settlements with limited to no access to basic services, and are concentrated in a few areas. The wealthy live in separate enclaves. Those in the middle have few , if any options.	Housing is available at most income levels but is highly segregated across income levels. Population growth slightly exceeds the creation of new housing. The wealthy and the middle class have housing that meets their needs at costs appropriate to their income. The poor live in informal settlements.	Housing is available at all income levels, but is segregated across income levels. The growth of supply of housing almost meets the rate of population growth. Increasingly, lower and middle-income people can find housing in areas that are conveniently located.	A wide range of a housing is available at all cost levels. The supply of housing is growing at pace with population. Affordable, moderate, and luxury housing are found clustered together in many areas of the city	**Scenario 2** Variety of housing choices are available in the city, but the supply for the lower group housing is a bit lower than the demand forcing the lower income groups to live in informal settlements.	**1.** The City has recently undertaken various affordable housing schemes/ projects for the urban poor such as RAY, PMAY, IHSDP, Atal Aashiray Yojna etc. **2.** Affordable Housing Units delivered to 4196 EWS and 1976 to others in last 3 years by under various schemes. Slums cover 1.63 % of the total municipal area. **3.** Speedy building plan approval through commissioning of Automated Building Plan Approval System (ABPAS) in 2014 (average approval time reduced from 42 to 21 days). Total No of Households (2011 Census) : 2,17,946 No. of Rental Households : 40,755 (18.7%) Property tax collection Efficiency (FY 2014-15) :80.64 % Household Size : 5.3 Total Number of Slums in Gwalior : 244 (HFAPoA) Total Slum Population : 61,763 Percentage of Population living in slums : 5.3%	**Scenario 4** Satisfy present and future housing demand for all income groups by promoting investment in housing sector based on PPP Models.	**1.** Provide soft loans to make ownership accessible for weaker section, **2.** Enforcement of regulations to develop mixed-income housing clusters. **3.** Use of Innovative Building Technology to reduce overall cost of dwelling units. **4.** Promote rental housing to satisfy the immediate demand.

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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)**	Personal automobile centric city with very few modal options. Long trip lengths for daily commute to work and education. Accessing various areas by walking or cycling is difficult. Women and vulnerable sections find it very difficult to move independently in the city. There is limited public transport. Vehicles cause high air and noise pollution levels in the city. Vehicles dominate public spaces and affect their effective functioning.	The street network system is elaborate but public transport choices are restricted. Public transport can be too expensive or unaffordable for the poor. Pedestrian infrastructure is only available in select areas. Tha majority of investments focus on reducing traffic congestion through the creation of more roads.	Network of streets are fairly complete. Public transport covers most areas of the city. However last mile connectivity remains incomplete -and affects transport options. Foot paths are accessible in most areas, whereas concerns of safe crossings and security throughout the day remain. Parking zones are demarcated but absence of pricing increases over utilization of parking lots.	Street network is complete and follows a clear structure. Public transportation network covers the entire city and intensity of connection relates with the demand. Plenty of options of public transport are available and affordable for all sections of the society. There is multi-modal integration at all mass transit stations and organized-priced on street and off street parking. Walking and cycling is prevalent.	**Scenario 2** Absence of any organized Public Transport and full section road development in most of the part of city is a concern. Vey few places have complete streets with footpaths such as area of City Center area.	**1. There are no organized public transit is available in the city. Presently private operated Vikram tempos, Mini Bus, Auto & Tata Magic are the only means of Public Transport in the city.** **2. At present 23 road routes in the city are identified for Public Vehicles, but presently only 13 routes are operational for public vehicles. (Source: Traffic Police Gwalior)** **3. A DPR for 144 City Buses prepared has been sanctioned under AMRUT** **4. Traffic Signals are installed at 10 Junctions and 30 more junctions are under installation** **5. Multilevel parking at city center is under construction. Also Auto Rickshaw stands (parking) available on every major junction** **Total Road Length : 1455 Km** **No. of Junctions with Traffic Signals : 10** **No. of Foot Over Bridges : 1 (One at MLB road)** **No. of Multi-level Car Park : 1 (42000 Sq. Ft.)** **Availability of Traffic Surveillance : 10%** **Passenger Information System : 10%** **Total Vehicles Registered in the City (till 2015) : 5,40,924** **Total No. of Public Vehicles (Auto/Taxi Cab/ Public buses) registered in the city (till 2015) : 19,126** **Total No. of vehicles registered in the city (in the year 2015) : 56,048** **No. of Public Vehicles Registered (in the year 2015) : 1001** **KPIs** **Average Travel Speed in the city - 20-30 Km/hr**	**Scenario 4** • Ensure complete street development and effect modal shift of Trips from Private Modes to Public Transport . • Also avail parking at mass transit stations.	**1.** Provide eco-friendly, fast, safe and affordable public transport that cover entire city and also ensure last mile connectivity. **2.** Ensure full section road development over universal accessible design principles to support pedestrians , NMT, Public Transport and private vehicles. **3.** Ensure integrity of different public transportation and facilitate IPT / NMT parking at major junctions.
11	Walkable	**A Smart City's roads are designed equally for pedestrians, cyclists and vehicles; and road safety and sidewalks are paramount to street design. Traffic signals are sufficient and traffic rules are enforced. Shops, restaurants, building entrances and trees line the sidewalk to encourage walking and there is ample lighting so the pedestrian feels safe day and night. (Guidelines 3.1.3 & 6.2)**	The city is designed mainly for the automobile. Daily life without a car requires long bus rides. Walking is difficult and often dangerous; there are few pavements, existing pavements need repair and lack trees to provide shade for pedestrians, and marked pedestrian crossings are rare. New buildings have their main entrances set-back from the street, sometimes with large driveways or parking lots separating them from the street, and sometimes are enclosed by gates. Traffic signals are often disobeyed	Older areas of the city see a mix of pedestrians, cyclists, and vehicles but newer areas are focused mainly on the automobile. In the new areas, there are few pavements and main entrances to new buildings are not accessible from the front of the street. large driveways or parking lots often separating them from the street, and sometimes are enclosed by gates. In these areas, traffic signals are disobeyed.	The city has a good network of pavements and bike lanes. Buildings in most areas of the city are easily accessible from the pavement. However, traffic signals are sometimes disobeyed and it can feel difficult to cross the street.	The city is highly walkable. Pavements exist on every street and are maintained. Trees line many sidewalks to provide shade for pedestrians. Buildings in most areas of the city are easily accessible from the sidewalk. Traffic signals control the flow of automobiles and are enforced. A network of bike lanes exists to promote cycling as a means of transport. Traffic rules are followed and enforced with great seriousness.	**Scenario 2** City lacks Pedestrian and NMT Facilities . Improperly designed Intersections lacks in signalized pedestrian crossing.	**1.**.At places footpaths are encroached or used for parking. **2.** Currently there is no much segregation for NMT lanes. Total Footpath Length in the City : 68 km Total Length of Cycle Track in the City : 6 km **KPIs** **Total Footpath Coverage in the City : 4.67 %**	**Scenario 4** Encourage walk-ability (and NMT) by making a pedestrian friendly city through urban design.	**1.** Encourage walk-to-work neighborhood through TOD principles. . **2..** Strict implementation of regulations to remove encroachments over footpaths. **3.** Ensure safety of pedestrians at major junctions through signalization. **4.** Provide shaded footpaths to encourage walkability. **5.** Preparation of Street Design Guidelines for Pedestrian and NMV Facilities
12	IT Connectivity	**A Smart City has a robust internet network allowing high-speed connections to all offices and dwellings as desired. (Guideline 6.2)**	City has no major plans to bring increased high speed internet connectivity to the public.	The city has made plans to provide high speed internet connectivity through the existing framework.	The city makes has high speed internet connectivity available in most parts of the city.	The city offers free wifi services to provide opportunity for all the citizens to connect with high speed internet across the city.	**Scenario 3** Broad band facility is available from various Government and Private Network service providers like BSNL, IDEA, Airtel, Reliance etc. 4G broadband system is being installed all over the city to u-grade internet speed.	**1.** Citizens in Gwalior have vast choices of internet plans with almost all leading service provider to meet their suitable requirements of speed and affordability. **2.** 4G connectivity of the city is under progress and few govt. buildings are facilitated with free 4G connectivity like Collector Office. **3.** The City has no Public-Wi-Fi hotspots. **KPI** **Census Households with Internet Connectivity : 15,736 (7.22%)**	**Scenario 4** Ensuring multiple operators providing the internet facilities in all the areas of the city, to avail a broad spectrum for choice of internet plans to all the citizens as per their requirement.	**1.** Developing last mile internet connectivity with OFC network covering the entire city. **2.** Providing public Wi-Fi hotspots at public places. **3.** Developing local regulations to ensure net-neutrality and right to internet to all citizens.

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13	ICT-Enabled Government Services	**A Smart City enables easy interaction (including through online and telephone services) with its citizens, eliminating delays and frustrations in interactions with government. (Guidelines 2.4.7 & 3.1.6 & 5.1.4 & 6.2)**	Essential Government services are not linked with online platforms. Paper intensive interactions with the local Government continues. Receiving services and response to citizen complaints take a long time. There is limited availability of data to monitor service delivery.	Some of the public services are provided online and infrastructure for total digitalization is not in place. Service delays occur regularly in some sectors. Responses to citizen inquiries or complaints are often delayed. No integration between services and billing.	Most of the services are provided online and offline. Data transparency helps monitoring. System and processes to better coordinate between various Government agencies are being developed.	All major services are provided through online and offline platforms. Citizens and officials can access information on accounting and monitor status of projects and programs through data available on online system. Robust data infrastructure system shares information and enhances internal governmental coordination.	**Scenario 3** Most of the government services are provided online as well as offline accessible through gwaliormunicipalcorporation. org	**1.** Gwalior has 47 Jan Mitra Kendras. Jan Mitra Kendras are presently delivering 72 government services. Data entry under NREGS using MIS has been decentralized to the sub block level though these centers. GMC has 25 Jan Mitra Kendras and 4 LokSeva Guarantee Kendras for G2C communication. **2.** Online Grievance Redressal System Janmitra Samadhan Kendra, Jan Sunvai, Notice board services. **3.** GMC conducts online public poll for its various Urban Initiatives. **4.** City has state-wide scheme of e-Nagarpalik which will have 40 municipal services online by next year. **5.** GMC provides online facility to pay Property Tax, Water Bill and Building Permission Fee. **6.** Statutory documents like annual budget, scheme documents, maps, Master Plan, City Development Plan and property tax survey are available for download on GMC's website **7.** Marriage registration, domicile, caste, income certificate, Nazul Land information can be accessed from District Administration website. **8.** Online Tracking of Status of Jan Sunvai, Passport Application and Arm License Status are available over Gwalior Police website. **9.** GMC also publishes Monthly E-Magazines.	**Scenario 4** Extensively integrate technology into various governance processes for better urban service delivery.	**1.** Development of a unified Integrated Data Center and a single portal (supported by mobile app) for all local government services. **2.** Developing Smart Kiosk at ward level where people who are not familiar to the computer world can access these government services.
14	Energy Supply	**A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guideline 2.4)**	There is only intermittent electricity supply with regular power shedding. Many residents have to plan their days around when power is available.	Electricity supply and loads are managed as per demand and priority for various functions with clear scheduling, with electricity being available in many areas for most hours of the day.	Electricity is available in most parts of the city for most hours of the day but some areas are not so well-served. Smart metering exists in some parts of the city but not all.	Electricity is available 24 x 7 in all parts of the city with smart metering linked to online platforms for monitoring and transparency.	**Scenario 3** 24X7 electricity is available in all parts of city at all times of day. Smart metering exists only for HT consumers.	**1.** The city is under process to cover newly added 6 Wards under IPD Scheme. **2.** Use of ICT in power distribution and smart metering of HT Consumers. **3.** Installation of SCADA system is under process. Total No. of Metered Energy Connections (2011 Census) : 1,96,906 No. of Metered Domestic Connections (2011 Census) : 1,37,219 No. of Metered Commercial Connections (2011 Census) : 26,000 **KPIs** **AT & C Losses in FY 2014-15 : 38%** **Reduction in Power Outages : 10%**	**Scenario 4** Provide 24 x7 Energy Supply in all parts of the city Improving Monitoring and Transparency through Smart Meters and online platforms.	**1.** Integrating Smart Energy Grid with the help of Technology enabled sub Installation of Smart Meters into City's Power Supply System. **2.** Develop on-line platform to enhance transparency and monitor electricity usage at user end.
15	Energy Source	**A Smart City has at least 10% of its electricity generated by renewable. (Guideline 6.2)**	The city does not have any renewable sources of energy and there is no commitment to promote this for the foreseeable future.	The city is preparing plans for ensuring that it gets more energy from renewable sources and is in the process of making commitments in this regard.	Some energy consumed is the city is produced through renewable sources. There are long term targets for higher renewable energy capacities and the city is making plans to achieve these.	At least 10% of the energy used in the city is generated through renewable sources. The city is undertaking long-term strategic projects to tap renewable sources of energy in its region/beyond to increase the percentage of renewable energy sources.	**Scenario 2** The city has prepared Solar City Plan for renewable energy with long term targets.	**1.** Gwalior is a part of Solar Cities Initiative of GoI. The draft master plan for solar city is prepared and is under sanction and the city has established a Solar City Cell for the same. **2.** City has four 132 Kw sub stations	**Scenario 4** Target at least 10% of city's power demand from renewable sources as a shot term plan and expand it further as a long term strategy.	**1.** To enable environment for solar technology penetration in the city both at ULB and Community Level. **2** Develop long term strategies to reduce grid based demand for power in the city . **3.** Under the Solar City Initiative, promoting investment in Solar Power sector in the city either through ULB or through PPP mode. **4.** Provide single window clearance for speedy implementation of solar power projects. **5.** Encourage citizens to install solar panels on roof through incentives.
16	Water Supply	**A Smart City has a reliable, 24/7 supply of water that meets national and global health standards. (Guidelines 2.4 & 6.2)**	The city has a poor water supply system with limited water availability. There are no clear targets to achieve higher quality and optimal quantity standards. Unaccounted water loss is above 40%	The city has intermittent water supply and availability. However it is setting targets and processes in place to try to improve its water supply. Unaccounted water loss is less than 30%.	The city has 24 x 7 water supply in most areas but the quality of water does not meet international health standards. Unaccounted water loss is less than 20%.	The city has 24 x 7 treated water supply which follows national and global standards and also available in sufficient quantity and affordable across all sections of the society. Unaccounted loss less than 15%.	**Scenario 1** The city has intermittent water supply but the unaccounted water loss is 58 %.	1. State-wide Project UDAY (UWSEIP) for up-gradation of basic infrastructure under water supply network is under implementation. Other Ongoing Projects include Treatment Plant of 134 MLD at Pahesari ,Kaketo & upper kaketo. Also 3ML capacity elevated storage tanks are under construction. Total Water Treatment Capacity : 180 MLD Present Water Supply : 160 MLD No. of Water Supply Connection (Legal) : 1,18,780 No. of Water Supply Connection (ill-legal Legal) : 54,150 Total No. of water storage tanks : 39 Total Water Storage Capacity in the city : 95 ML Cost recovery in water supply services : 54.55% Efficiency in collection of water supply related charges : 64.43% KPIs Non-Revenue Water (2014-15) : 58% Per-Capita Supply : 123 LPCD Percentage Coverage of Municipal Ares: 74.08%	**Scenario 4** • To ensure 27x7 Water Supply of potable water in all parts of the city • To reduce Unaccounted water losses to be less than 15%	**1.** Mapping of Water Supply Asset and Management through SCADA, developing Real- Time pressure and Flow monitoring and Control, Leak Deduction Sensors, Real-time monitoring of water quality. **2.** 100 % water metering in all zones.

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17	Water Management	**A Smart City has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage storm water runoff. (Guideline 6.2)**	The city does not measure all its supply. It does not recycle waste water to meet its requirements and rain water harvesting is not prevalent. Flooding often occurs due to storm water run-off.	The city has meters for all its water supply but lacks mechanisms to monitor. Water wasteage is very high. Some, but not much, rainwater harvesting exists.	The has meters for all its water supply with some smart mechanisms to monitor. Rainwater harvesting systems are installed and storm water is collected and stored in water bodies. However, recycling of waste water and reusage of storm water is limited.	The city has meters for all its water supply. It includes smart mechanisms to monitor remotely. Rainwater harvesting systems are installed and utilized through the city and storm water is collected and stored in water bodies and treated for usage. Recycled waste water is supplied for secondary uses.	**Scenario 1** City measure its supply but the initiative of installing water meters has recently started. Also building permission mandates installation of rain-water harvesting.	**1.** Gwalior has a history of water conservation as evident from its various tanks and ponds. **2.** In building permission, it is mandatory to install rain water harvesting system. At some places like GMC buildings rain water harvesting system is already in place. **3.** Under AMRUT, it is proposed to reuse waste water from WTP by installation of Solar energy pump at 3 places. Number of Domestic Water Meters Installed : 5900 Number of Commercial Water Meters Installed : 987 Coverage of Strom Water Drain : 65% **KPIs** **Extent of metering of water connections : 3.41%** **Cost recovery in O&M (2014-15) : 45%**	**Scenario 4** • 100 % coverage of smart meters and reduce water wastage. • collection of max. rainwater to re-charge groundwater.	**1.** 100 % water metering in all zones and develop a Smart Mechanisms to monitor city's water supply system. **2.** Developing a mobile app for citizens to monitor the daily water consumption. It will help to check water usage at consumer end. **3.** Enforce strong regulation for Rain-water harvesting in the city. **4.** Develop a system for re-use of and also cover 100% of roads with underground storm water drainage.
18	Waste Water Management	**A Smart City treats all of its sewage to prevent the polluting of water bodies and aquifers. (Guideline 2.4)**	The city is unable to treat all its sewage. Many local sewer lines open on to water bodies and open ground and pollute the environment.	Most waste water is collected and treated before disposal. However the treated water does not meet standards and is not recycled for secondary uses.	All the waste water is collected and treated before disposal. It is also treated to a high standard and some is recycled.	The city has zero waste water because all the waste water is collected, treated and recycled. It meets standards an reduces the need for fresh water.	**Scenario 1** The city is in process to treat all its sewer by proposal of an additional 160 MLD STP. Also there are few open sewer lines in the city.	**1.** The city has a 50 MLD STP at Lal Tipara Morar ,(On stabilization pond basis), and total Sewage inflow to it is 20 MLD. The average BOD of the incoming sewage 200 mg/liter and BOD of treated effluent is about 150 mg/liter. **2.** A 60 MLD STP is proposed to be construct under UIDSSMT. Total Sewerage Generation : 130 MLD Present STP Capacity : 50 MLD No of Households covered under sewerage system : 60% (1,31,458 HHs) City area under sewerage network : 80% Adequacy of sewerage treatment capacity: 38.46 %	**Scenario 3** The primary aim is to collect and treat all the waste water before disposal. At least 20% of waster water to be recycled for reuse	**1.** 100% coverage of sewerage network in the city **2.** Initiating use of DEWAT system for waste water recycling and Re-use through Dual Piping. Re-used water can be used for non-domestic purposes like gardening, street-washing etc.
19	Air Quality	**A Smart City has air quality that always meets international safety standards. (Guideline 2.4.8)**	City does not have plans, policies or programs to improve the air quality. Systems to monitor air quality are absent.	City has programs and projects to monitor air quality and specializing the data to ascertain reasons for degrees of pollution in the air. A few strategies to decrease air pollution have been implemented.	City has programs and projects to monitor air quality and specializing the data to ascertain reasons for degrees of pollution in the air. Pollution levels are acceptable.	The city has clean air by international standards. Live Air quality monitoring cover the entire city and data of air quality are mapped.	**Scenario 1** The city has two air quality monitoring stations but any substantial programmes to mitigate air pollution level are absent.	**1** Gwalior has the highest particulate matter in India at 329 micrograms per cubic meter, based on Central Pollution Control Board (CPCB) 2012 report on 'national ambient air quality status and trends'. **2.** The major cause of air pollution is 8000 Diesel Tempos (Vikram) plying in the city and the loose texture of soil. Stone quarries and industrial area inside city also contributes considerably. Even the presence of PCB Regional Office and formation of various committees by govt./courts couldn't control the air pollution effectively. No of Air Quality Monitoring Stations : 2 * Concentration of SO2 : 13 µg/m³ * Concentra ration of NO2 : 27 µg/m³ * Concentration of PM10 : 329 µg/m³ * Concentration of PM2.5 : 176 µg/m³ (Source: World Bank Air Pollution Database-2016) * The Air quality concentrations of various compounds are based on Data Collected in 2012, during which major construction activities were carried out near the Air Quality Monitoring Stations at Dindayal Nagar and Maharjbada.	**Scenario 4** • To achieve International Safety Standards for Air Quality. • Ensuring Air Quality Mapping and Monitoring to reduce health risks.	**1.** Continuously monitoring air quality Using Ambient Air Quality Monitoring systems and adopting techniques like Odd-Even formula to check pollution level. **2.** Introducing eco-friendly public transport while simultaneously eradicating old diesel vehicles in the city over time. Also practice regular street cleaning remove dust over the streets. **3.** Creating awareness among citizens about live air pollution levels over public platforms.
20	Energy Efficiency	**A Smart City government uses state-of-the-art energy efficiency practices in buildings, street lights, and transit systems. (Guideline 6.2)**	City has no programs or controls or incentive mechanisms to promote or support energy efficiency in buildings	The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	Most new public buildings install energy efficiency systems and some older buildings are also retrofitted to be more energy efficient. Local government conducts counseling and outreach with developer, businesses and residents to adopt energy efficiency strategies	All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums. Many non-public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations.	**Scenario 2** GMC promotes energy efficiency and under-way for installation of roof-top solar power plant over 33 municipal buildings.	**1.** A 25 kW solar power plant is installed at Municipal Administrative building. At 4 other municipal buildings mini solar plants are installed of 5 kW each. GMC is planning to install more solar energy plants on its 29 municipal buildings. In addition, some more govt. buildings like Collector and SP office are also planning to join this initiative. **2.** The city has a proposal to replace all its conventional street lights to LED at a cost of Rs. 35 crores on PPP basis. Out of approximately 30,000 street light poles, 3000 poles have been converted into LED.	**Scenario 3** Integration of Net Metering Policy of State Government for promoting Energy efficiency for Private Buildings	**1.** Providing incentives in FAR for green buildings in new development or redevelopment projects. **2.** Making all public building energy efficient through retrofitting and mandatory all new government buildings to be energy efficient. **3.** Use sensor based LED street lights which automatically increases their luminance when they detect an object in their range, while all other time maintain an optimum level of luminance to ensure safety.
21	Underground Electric Wiring	**A Smart City has an underground electric wiring system to reduce blackouts due to storms and eliminate unsightliness. (Guideline 6.2)**	City does not have plans for underground electric wiring system.	More than 40% of the city has underground electric wiring system.	More than 75% of the city has underground electric wiring system.	More than 90% of the city has underground electric wiring system.	**Scenario 1** City has undertaken some Pilot Projects for Underground Electrical Wiring but that does not account for 40% of the city.	**1.** The newly developed roads like Racecourse Road, Akashvani Road, Pinto Park Road, Theme Road (Katoratal), Kasturba Road, Gandhi Road are having street lighting cables underground in dividers.	**Scenario 3** More than 75% of city to have underground electric wiring system to reduce T & D loss	**1.** Under-Ground Ducts for Power and Communication cables to be implemented in convergence with IPDS

	Features	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for the full city with regard to each feature	Basis for assessment and/or quantitative indicator (Optional - only if data exists)	Projection of 'where city wants to be' with regard to the feature/ indicator based on the city vision and strategic blueprint.	Input/ Initiative that would move the city from its current status to Advance Status. (Scenario 4: Column G))
22	Sanitation	**A Smart City has no open defecation, and a full supply of toilets based on the population. (Guidelines 2.4.3 & 6.2)**	Many parts of the city do not have access to sanitation infrastructure and facilities.	Sanitation facilities are available to 70% of the city's population.	Sanitation facilities are available to 90% of the city's population.	Sanitation facilities are available to 100% of the city's population.	**Scenario 3** Sanitation facilities cover 93% of the city's households and is under-way to ensure zero open defecation.	**1.** State-wide Project UTTHAN (MPUSP) for strengthening of urban services for the poor pockets is under implementation. Under the Scheme of Chief Minister Urban Sanitation Program, Construction of 7000 HH Toilet is proposed, out of which 600 has been already constructed. **2.** In addition to 50 Community/Public toilets which already exist, 7 new public toilets are at the completion stage. Also 15 more community toilets are under construction. **3.** Recently 16,500 households have been surveyed for construction of individual toilets under SBM. Out of which around 4000 have already been completed. **4.** Gwalior Station won an award for the best and cleanest station of North Central Railway zone. Households with Individual Toilet Facility : 91% Households depending on Community Toilets : 2% Total No. of Public/ Community Toilets : 169 No. of Urinals in these Public/ Community Toilets : 98 No. of Public/ Community Toilets having WC seats : 148 Swachh Bharat Rank : 400/ 476 **KPIs** **Households practicing Open Defecation : 7% (Source: City Sanitation Plan)**	**Scenario 4** • To achieve zero open defecation. • Besides this road side urination should be eliminated by providing more public toilets.	**1.** Increase to number of public toilets. **2.** Providing separate facilities for ladies toilets and Handicapped Toilets in all public toilets. **3.** Providing Bio-toilets to ensure higher level of hygiene in Public toilets.
23	Waste Management	**A Smart City has a waste management system that removes household and commercial garbage, and disposes of it in an environmentally and economically sound manner. (Guidelines 2.4.3 & 6.2)**	Waste collection systems do not pick up waste on a frequent basis and waste often enters into water bodies.	Waste generated is usually collected but not segregated. Recycling is attempted by difficult to implement.	Waste is segregated, collected, recycled and disposed in an environmentally sound manner.	The city reduces land fill caused by waste so that it is minimal. All the solid waste generated is segregated at source and sent for recycling. Organic waste is sent for composting to be used for gardening in the city. Energy creation through waste is considered.	**Scenario 3** Waste collection is 90% but is not segregated. The city use to treat all its waste in past, until its 300 TDP waste-to-energy was divested in an accident.	**1.** GMC was the first ULB in M.P. to introduce Waste to Energy Plant. The 300 TPD waste processing plant was devastated by a fire accident recently 2 years ago. Since then dumping is the means of waste disposal. Municipal Solid Waste Management project has been approved for restarting the dysfunctional waste processing plant to treat compost and extract RDF. **2.** At present there is no treatment mechanism of waste and no specific method for disposal of C&D waste and e-Waste. **3.** Road Sweeping and Drain Cleaning is done daily in most parts of the city. **4.** GMC has recently (March 2016) prepared a DPR to provide structures for implementing the MSW project through Private Sector Participation (PSP). Also, City has successfully implemented first phase of City Sanitation Plan (2012-15), second phase is under implementation. Total Waste Generation in the City : 380.17 TPD No. of Informal Waste Collector : 813 No. of Secondary Storage Bins : 242 (Capacity : 325.4 tones each) No. of Identified open dumping points in the City : 2197 No. of Waste Disposal Sites : 3 Nos. (Sagartal, Shankarpur and Shuresh Nagar) **KPIs** **Per Capita Waste Generation : 283 gram per capita per day (gm/c/d).** **Coverage of Door-to-door Collection : 90% (60 Wards out of 66 Wards.)**	**Scenario 4** • Identify Potentials for Environment Friendly Waste to Energy concept in the city. • Achieve 100% in solid waste collection efficiency.	**1.** Initiating GIS based Asset Management that includes Mapping of SWM Assets and Human Resource Management through MIS. **2.** Waste Processing Facilities including equipment's for Smart waste-to-energy plants such as smart conveyor belt and pooling device **3.** Cleaning of Roads by Pneumatic Equipment's and Real- Time Monitoring of cleanliness in Public Spaces through CCTV or Citizens reporting. **4.** Waste Processing Facilities including equipment for Smart waste-to-energy plants such as smart conveyor belt and pooling device
24	Safety and Security	**A Smart City has high levels of public safety, especially focused on women, children and the elderly; men and women of all ages feel safe on the streets at all hours. (Guideline 6.2)**	The city has low levels of public safety - most groups of residents feel insecure during most parts of the day in many parts of the city.	The city has medium levels of public safety - some more vulnerable groups feel insecure during some points of the day and in some parts of the city	The city has high levels of public safety - all citizens including women, children and the elderly feel secure in most parts of the city during most time in the day.	The city has very high levels of public safety - all residents feel safe in all parts of the city during all hours of the day.	**Scenario 2** Gwalior had safety issues being located in Chambal region. But situation is becoming better day by day	**1.** Gwalior is a part of Safe City Programmes by GoMP, aimed at reducing violence against women especially in 62 identified Slums in the year 2013-15. **2.** City has "Dial-100" scheme of GoMP, with control center & GPS enabled PCR vehicles. **3.** Dedicated Women Police Stations, SC-ST Police Station and NIRBHAYA Squad. **4.** Installation of 67 CCTVs for surveillance at major junctions and public places. **5.** City started dedicated help-lines for Women, Senior Citizens &Traffic. Also added other means of access to police which include informing over web-portal & Whatsapp. **6.** Reduction in incident response time to 5 minutes from 20 minutes in last three years. **7.** 9267 street lights (30.89% increased) installed in last three years. No. of Fire Stations : 3 No. of Police Satiations : 16 No. of Police Vehicles (PCR Vans) : 29 Total No. of Road Accidents (2008) : 1713 (162 Fatalities)	**Scenario 4** Become a Crime Free City by enhancing the safety and security of the citizens through technology enabled methods or systems	**1.** To expand the existing CCTV Surveillance to cover the entire city. Also operating the surveillance command center 24*7 and integrating it with Incident Reporting and respond system. **2.**Improved emergency response capabilities of the existing system in all parts of the city.

ANNEXURE III

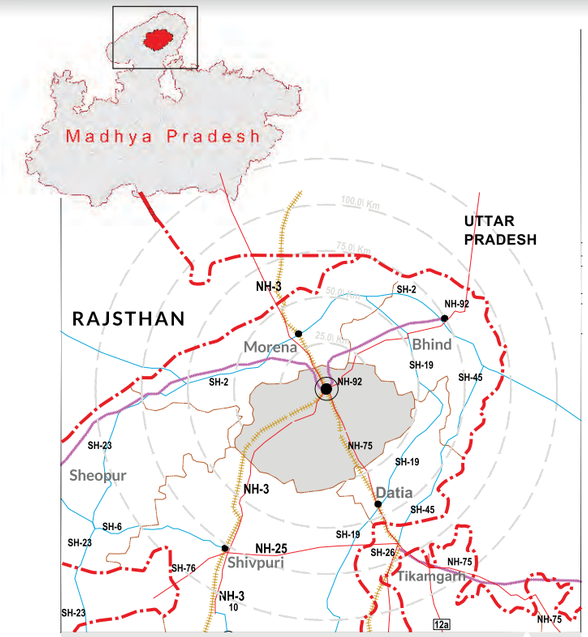
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3.13	ABD- TRANSIT ORIENTED DEVELOPMENT
3.14	PAN CITY - 1 IOCU & SOLID WASTE MANAGEMENT
3.15	PAN CITY -2 URBAN TRANSIT SYSTEM
3.16	ORGANIZATIONAL SET-UP FOR SPV
3.17	ORGANOGRAM FOR STAKEHOLDER'S ROLE
3.18	FINANCIAL ABSTRACT
3.19	FINANCIAL TIMELINE
3.20 (A)	FINANCIAL PLAN
3.20 (B)	FINANCIAL PLAN

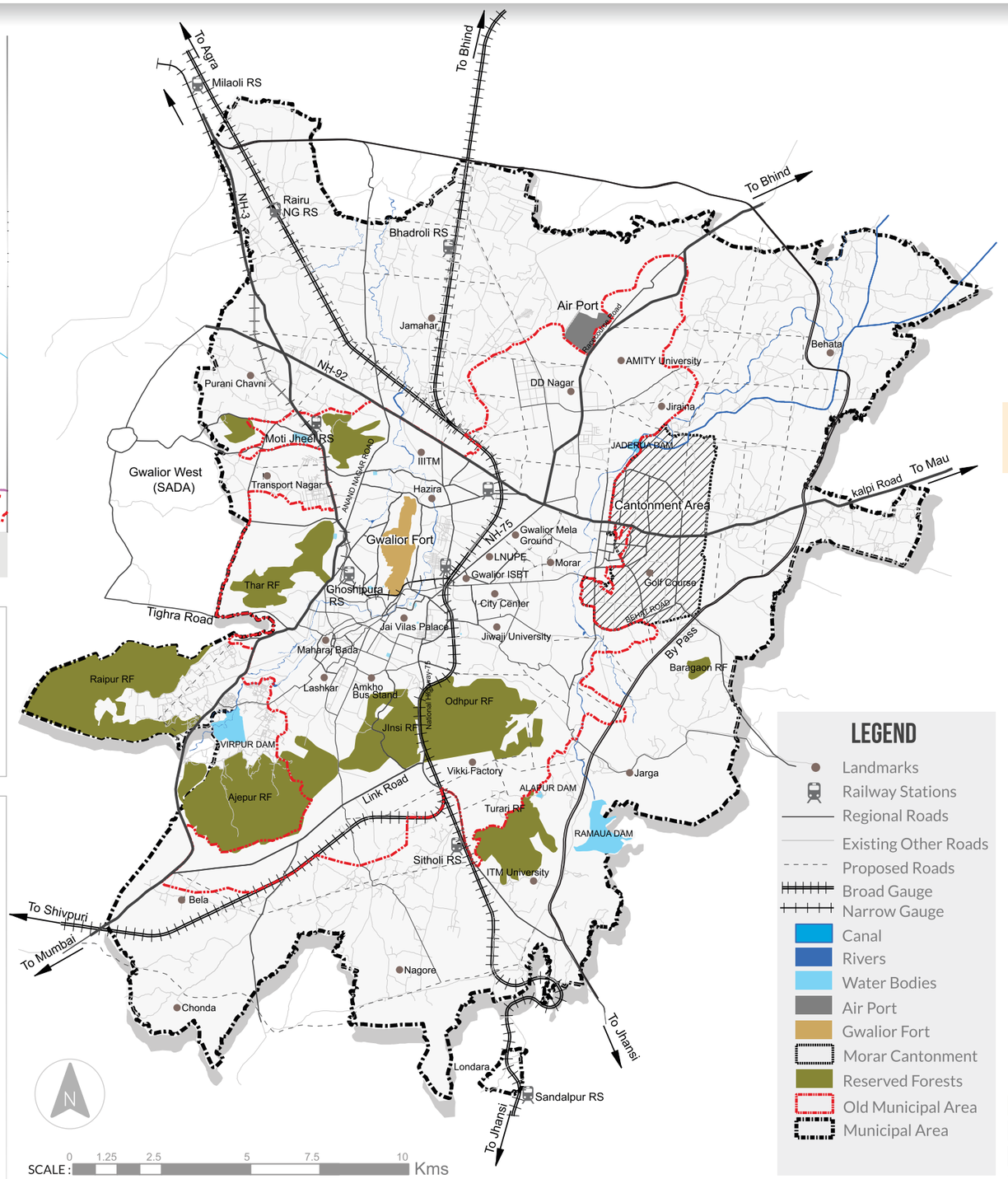
GWALIOR SMART CITY PROPOSAL ROUND 2

3.1 CITY PROFILE

(In Support to Questions No. 1,2,3)



KEY MAP



LEGEND

- Landmarks
- Railway Stations
- Regional Roads
- Existing Other Roads
- Proposed Roads
- Broad Gauge
- Narrow Gauge
- Canal
- Rivers
- Water Bodies
- Air Port
- Gwalior Fort
- Morar Cantonment
- Reserved Forests
- Old Municipal Area
- Municipal Area

GWALIOR



POPULATION (ESTIMATED-2015)
13,67,474

DECADAL POPULATION GROWTH
(2001-2011) **27.50%**

27.50%	
25.63%	
31.8%	

SEX RATIO
876

876	
918	
923	

LITERACY RATE
73.38%

73.38%	
84.1%	
82.8%	

WFPR
31.7%

31.7%	
34.18%	
35.11%	

FAMILY SIZE
5.3

5.3	
5	
4.6	

TOTAL HOUSEHOLDS
2,17,946

GWALIOR
STATE (URBAN)
INDIA (URBAN)

DENSITY
27 PPH

DEVELOPED AREA DENSITY
158 PPH

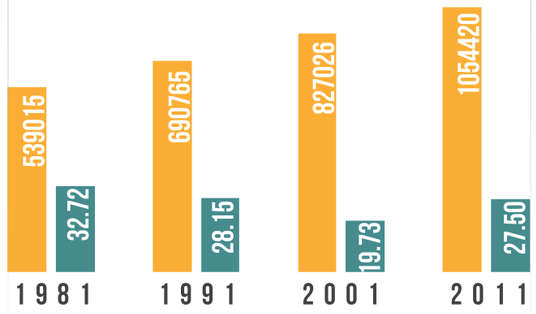
(*data as per* CENSUS -2011)

HOUSEHOLDS WITH MOBILE CONNECTION
62.12%
HOUSEHOLDS WITH INTERNET CONNECTION
7.22%

YOUTH POPULATION
(15-34 age group) **21.74%**
WORKING AGE GROUP POPULATION
(15-59 age group) **65.80%**

DECADAL POPULATION GROWTH

POPULATION GROWTH RATE (%)



OLD MUNICIPAL AREA
MUNICIPAL AREA 173.6 SQ. KMS
NO. OF WARDS 60
POPULATION 10,54,420

NEW MUNICIPAL AREA
MUNICIPAL AREA 423.35 SQ. KMS
NO. OF WARDS 66
POPULATION 11,59,032

** As per Madhya Pradesh Gazette Notification No.22, Dated 1 June 2012, 6 New Wards have been added covering an area of 249.75 Sq. kms*

GWALIOR SMART CITY PROPOSAL ROUND 2

3.2 CITY PROFILE

(In Support to Questions No. 1,2,3)

CITY STRENGTHS

STRATEGIC LOCATION

LOCATED ON **NORTH-SOUTH CORRIDOR**

50 KMs NORTH TO **EAST-WEST CORRIDOR**

50 KMs WEST TO **DMIC** INFLUENCE REGION

5 HOURS TO **DELHI** BY ROAD

2 HOURS (119KMs) TO **AGRA**, Via NH-3

DAILY ABOUT
1000 TRAINS PASS, 136 HALT
& **11 ORIGINATE FROM GWALIOR JUNCTION**



COUNTER MAGNET CITY TO NCR
320 KMs SOUTH TO DELHI

VIBRANT ECONOMY

GWALIOR TRADE FAIR
INDIA'S SECOND LARGEST TRADE FAIR

LOCAL ECONOMY
CARPETS, STONEWARE, SCULPTURES & CHANDERI SARIS

132 MINERAL STONE MINES

77 RED-FLAG STONE MINES

INVESTMENT IN **SADA**

HERITAGE & CULTURE

400 LISTED HERITAGE STRUCTURES

8 ASI MONUMENTS OF NATIONAL IMPORTANCE

12 ASI STATE PROTECTED MONUMENTS

6 MUSEUMS

PART OF DELHI-AGRA-GWALIOR-JHANSI-ORCHHA-KHAJURAHO **TOURIST CIRCUIT OF GoI**

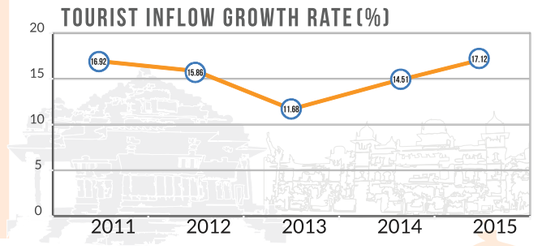
PART OF 4 TOURIST CIRCUIT OF **GoMP**

GANGA HINTERLAND TOURISM PLAN OF **GoUP**

ORGANIZES **INTERNATIONAL TANSEN SANGEET SAMAROH ANNUALLY.**



18% FOREIGN TOUSRIST | 72% DOMESTIC TOURIST



ADMINISTRATIVE HEADQUARTERS

CENTRAL INSTITUTIONS

BSF Academy
NCC Officer's Training Academy
Indian Air Force (IAF) Station
Central Bureau of Narcotic
Central Intelligence Bureau HO

STATE INSTITUTIONS

High Court (Gwalior Bench)
Offices of Accountant-General (AG)
President-Board of Revenue
Transport-Commissioner
State Excise Commissioner

REGIONAL MEDICAL HUB

184 MEDICAL FACILITIES

4.1 BEDS PER 1000 PERSONS

(NATIONAL AVERAGE -0.7 BEDS)

VERSATILE EDUCATION

PROVIDE **SPECIALIZED EDUCATION** IN MUSIC, SPORTS, AGRICULTURE, MANAGEMENT, MEDICAL & TECHNICAL EDUCATION

- **RAJA MANSINGH TOMAR MUSIC & ART UNIVERSITY** & **MAHARANI LAKSHMI BAI -NATIONAL UNIVESRITY** OF PHYSICAL EDUCATION (largest Physical Education University In **ASIA**)
- **5** UNIVERSITIES, **181** HIGHER EDUCATION INSTITUTIONS
- **WORLD FAMOUS SCINDIA SCHOOL**

TRANSPORTATION

1455 KMs
CITY ROADS NETWORK

20-30 KMs/HR
AVERAGE TRAVEL SPEED IN THE CITY

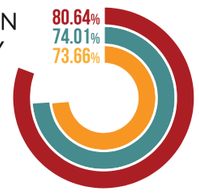
48 KMs FOOTPATH **6 KMs** CYCLE TRACK

8000 TEMPOS, MINI BUS & AUTO
ARE THE ONLY MEANS OF PUBLIC TRANSPORT

PROPERTY TAX

2,00,712 PROPERTIES
ASSESSED IN 2015-16

COLLECTION EFFICIENCY



WATER SUPPLY

160 MLD
OF TOTAL SUPPLY

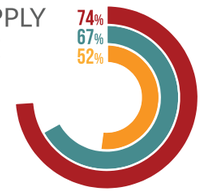
123 LPCD
PER-CAPITA SUPPLY

74.08 % COVERAGE OF MUNICIPAL AREA (54.5% OF HHs)

58 % NRW
(NON REVENUE WATER)

82%
COMPLAINT REDRESSAL EFFICIENCY

WATER SUPPLY COVERAGE



SANITATION

130 MLD
SEWERAGE GENERATED

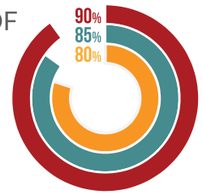
50 MLD EXISTING STP
(**60 MLD** UNDER CONSTRUCTION)

80% CITY COVERAGE OF **SEWERAGE NETWORK**

65% CITY COVERAGE OF **DRAINAGE NETWORK**

90%
COMPLAINT REDRESSAL EFFICIENCY

COVERAGE OF TOILETS



SOLID WASTE MANAGEMENT

380 TPD
WASTE GENERATED

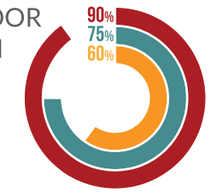
283 GM/C/D
PER- CAPITA WASTE GENERATION

90%
DOOR TO DOOR COLLECTION

200 WASTE TRANSPORTATION VEHICLES

90%
COMPLAINT REDRESSAL EFFICIENCY

DOOR TO DOOR COLLECTION



SLUMS

243
SLUMS IN CITY

2,29,644 SLUM POPULATION (19.8% OF TOTAL POPULATION)

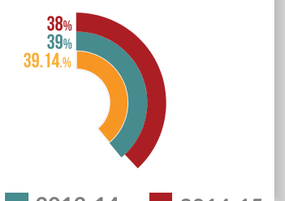
64,072 TOTAL SLUM HHs (29.40% TOTAL HHs)

6.9 SQ. KMS AREA UNDER SLUM
1.63% OF TOTAL MUNICIPAL AREA

ELECTRIC SUPPLY

1,96,906 ELECTRIC CONNECTIONS

AT & C LOSSES



3.3 SCP FRAMEWORK

(In Support to Questions No. 4 & 5)

CITY PROFILE

SWOT

VISION

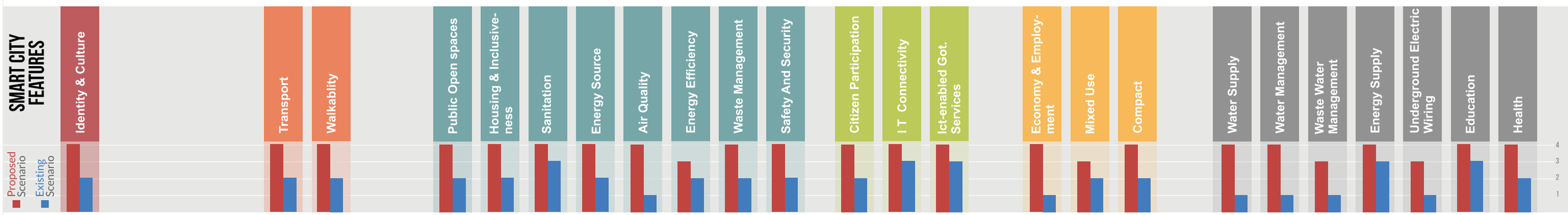
"**Comprehensively transform** Gwalior through promotion of **Heritage** & **Cultural assets**, to create new **Economic Opportunities**, and reinforce its strengths in **Education**, **Health** & **Trade**"

CITIZEN ENGAGEMENT

ASPIRATION

FOCUS AREA	FA-1 CITY IDENTITY	FA -2 CONNECTED & ACCESSIBLE CITY	FA-3 RESILIENT URBAN ECO - SYSTEM		FA -4 CITIZEN CENTRIC GOVERNANCE	FA-5 COLLABORATIVE GROWTH	FA-6 EFFICIENT INFRASTRUCTURE	
GOALS	G - 1 Strengthen Gwalior's identity as a "Culture Capital" of Madhya Pradesh	G - 2 Enhance connectivity and enable seamless mobility to the last mile	G - 3 Attaining Higher Level of Urban Lifestyle by creating livable neighborhoods	G - 4 Constraining Net Carbon Footprint by adopting green technologies.	G - 5 Constraining Net Carbon Footprint by adopting Green technologies.	G - 6 Strengthening G2C linkages with a Responsive Government & Responsible Citizens	G - 7 Provide equitable and quality infra-structure to enhance Quality of life of citizens.	G - 8 Expanding potentials of regional leadership in the field of education and health.
SUB- GOALS	Increase tourist arrivals to one million by the year 2020 through tourism packages, improving tourist-circuit linkages and tourism infrastructure. SG - 1	Create Fast, Safe, Affordable and Lucrative urban mass transit with a capacity to cater to 50% of the future traffic demand in next 10 Years.. SG - 3	Satisfy the diverse housing demand by supplying affordable and sustainable housing to meeting Housing for all shelter needs. SG - 6	Promote energy conservation through built form and use clean energy to contribute towards climate change goals . SG - 10	Ensure Good Governance by Extensive use of ICT and e Governance into various governance processes. SG - 12	Capitalize on existing knowledge institutions to develop livelihood skills with focus on urban poor. SG - 16	Ensure 100% coverage of 24*7 Water Supply and Electric Supply in next 5 years. SG - 18	Promote Gwalior as an education hub by creation of knowledge parks and incubation centers SG - 20
	Prepare a strategic plan for heritage revival and urban design, integrating it with City Master Plan to transform the city's image in a holistic manner SG - 2	Use clean mobility options with emphasis on walking and Non Motorized Transport (NMT) by pursuing Transit Oriented Development (TOD) SG - 4	Increase Per-Capita Developed Open Space to meet the national standards in next 5 Years and restore natural ecosystems like rivers and ponds. SG - 7	Meet at lest 20% of the city's total power demand through renewable source by the year 2020 under the Solar City Initiative. SG - 11	Establish platforms for maximizing stakeholder collaborations in providing innovative solutions for urban management. SG - 13	To fall among the Top 10 Cities in India for Ease of Doing Business by next decade via creating a progressive environment for local traders, businesses and Start - up Initiatives. SG - 17	Mitigate Digital Divide and Ensure Last-Mile Cyber Connectivity. SG - 19	Establish Gwalior as a medical value tourism hub for the region by establishing super-specialty hospitals, medical schools and accommodation facilities. SG - 21
		Mitigate Mobility Constraints by developing Streets for All based over universal accessibility principles to support Pedestrians, Public Transport and Private vehicles SG - 5	Ensure higher level of Sanitation by attaining 100% Segregation at source and Zero Open Defecation by the year 2020. SG - 8		Establish a city fund for supporting smart technology initiatives which will improve urban service delivery and innovation. SG - 14			
			Urban Design Guidelines for ensuring higher level of safety over streets and public places. SG - 9		Creating a sense of responsibility and belongingness to the city among the citizens to enforce participatory planning in design making. SG - 15			
MODULES	M-1 HERITAGE AND CULTURE MODULE	M-4 MOBILITY MODULE M-10 URBAN TRANSIT MODULE	M-2 HOUSING MODULE M-11 SWM MODULE	M-8 SUSTAINABILITY MODULE M-5 RECREATIONAL AND SOCIAL UP GRADATION MODULE	M-6 TECHNOLOGY MODULE M-9 COMMOND & CONTROL CENTER	M-7 ECONOMIC DEVELOPMENT MODULE	M-3 INFRASTRUCTURE MODULE	M-5 RECREATIONAL AND SOCIAL UP GRADATION MODULE

SMART CITY FEATURES



VISION | 6 FOCUS AREAS | 8 GOALS | 21 SUB-GOALS | 70 PROJECTS | 11 MUDULES | 24 SMART CITY FEATURES

GWALIOR SMART CITY PROPOSAL ROUND 2

3.4 CITIZEN ENGAGEMENT - ROUND 1

(In Support to Question No. **6**)



REACHING OUT THROUGH DIFFERENT MEDIUMS

THE CITIZEN ENGAGEMENT PROCESS WAS DESIGNED TO CAPTURE DIVERSE DEMOGRAPHICS AGE GROUPS, INCOME LEVELS AND GEOGRAPHIC LOCATIONS IN THE CITY

ABOUT **1,31,147** OF

CITIZEN RESPONDED

12 % OF CITY POPULATION

1,06,005 ONLINE CONSULTATIONS

25,142 OFFLINE CONSULTATIONS

REACHING OUT TO THE PUBLIC (ROUND-1 2015)



Jiwaji University



Jiwaji University



Parishad Photo



Hotel Tansen

Plantation Drive



Collector and Commissioner



Meeting with Mayor & MIC



MITS College



FOCUSED GROUP DISCUSSIONS

9%	6%	2%	5%	7%	13%
URBAN POOR	WOMEN	JOURNALIST	ENTREPRENEUR	PROFESSIONALS	COLLEGE STUDENTS

- **GMC** also launched activities in the form of **discussion, poster making, essay writing, logo design, polling** and **vision statement** on **MyGov**.in .
- A dedicated **Facebook** page and **Twitter** handle were launched to capture the attention and imagination of the **new generation.**
- The idea behind going online was to involve the **stakeholders of Gwalior city** irrespective of their location.

2015 ROUND-1 CITIZEN CONSULTATION ACTIVITIES

ONLINE 1,06,005

- 3282 Likes
- 3000 Post
- 127 Followers
- 1000 Mails

mygov मेरी सरकार 55,771

WEBSITE 38,128

OFFLINE 25,142

DIRECT INTERACTION 24,386

MOHALLA SABHAS 5,786

EVENTS 756

DRAWING COMPETITION 500 ENTRIES

OTHER ACTIVITIES

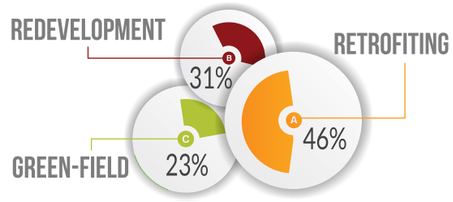
SMART CITY MARATHON 1400

PLANTING 200

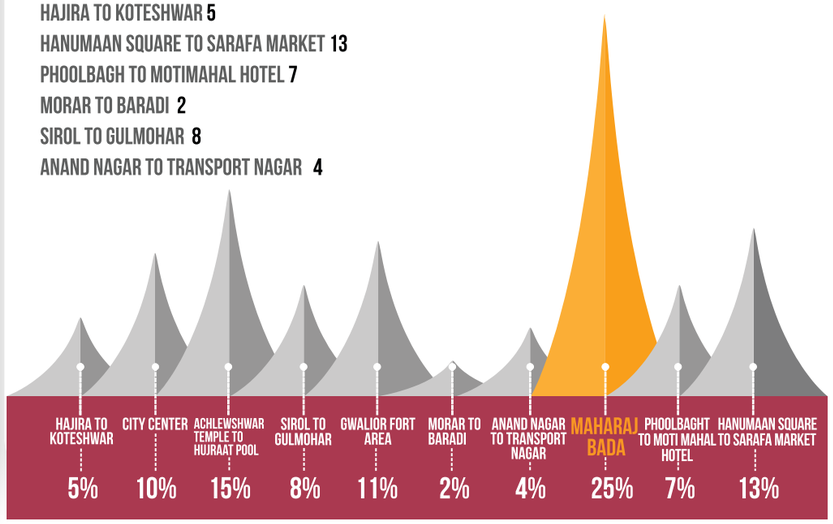
PRESS & HOAORDINGS 100 DAYS COVERAGE

MOBILE VANS

AREA BASED DEVELOPMENT POLLING

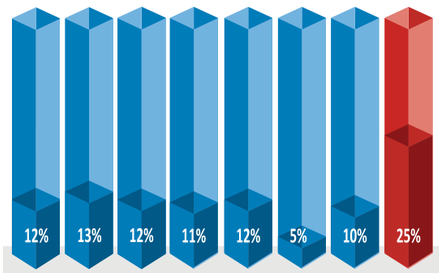


- MAHARAJ BADA 25
- GWALIOR FORT AREA 11
- CITY CENTER 10
- ACHLESHWAR TEMPLE TO HUJRAAT POOL 15
- HAJIRA TO KOTESHWAR 5
- HANUMAAN SQUARE TO SARAFA MARKET 13
- PHOOLBAGH TO MOTIMAHAL HOTEL 7
- MORAR TO BARADI 2
- SIROL TO GULMOHAR 8
- ANAND NAGAR TO TRANSPORT NAGAR 4



PAN CITY POLLING

- A. E-GOVERNANCE
- B. SOLID WASTE MANAGEMENT
- C. ENERGY MANAGEMENT
- D. WATER MANAGEMENT
- E. SKILL DEVELOPMENT CENTRE
- F. DECENTRALIZED GOBAR GAS PLANT
- G. TRADE FACILITATION CENTRE
- H. URBAN MOBILITY



GWALIOR SMART CITY PROPOSAL ROUND 2

3.5 CITIZEN ENGAGEMENT - ROUND 2

(In Support to Question No. **6**)

CITIZEN ENGAGEMENT PROCESS

SMART CITY ROUND - 1
2015

SMART CITY ROUND - 2
2016

STAGE-1 (15 Sept.- 25 Oct.)	STAGE-2 (26 Oct.- 15 Nov.)	STAGE- 3 (16 Nov.- 30 Nov.)	STAGE- 4 (12 April - 20 June)	STAGE- 5 (15 June - 20 June)	STAGE- 6 (21 June - 25June)
ENGAGEMENT & SEEKING ASPIRATION	DISCUSS PROPOSALS	FINAL PROPOSAL	ENDORSEMENT OF ROUND-1 PROPOSAL	DISCUSS PROPOSAL	FINAL PROPOSAL

In Citizen Engagement Process Round -2, About **53,182** OF **CITIZEN PARTICIPATION**

ENGAGEMENT STRATEGY

16,315 ONLINE CONSULTATION
36,876 OFFLINE CONSULTATION

GENDER WISE PARTICIPATION

MALE 63%

FEMALE 37%

FOCUSED GROUP DISCUSSIONS

40%	11%	3%	15%	16%	15%
STUDENTS/YOUTH	HOUSE WIFE	SENIOR CITIZEN	ENTREPRENEUR	PROFESSIONALS	OTHERS

2016 ROUND-2

CITIZEN CONSULTATION ACTIVITIES

ONLINE 16,315

- 2870 Likes
- 4000 Post
- 135 Followers
- 4000 Mails

mygov मेरी सरकार 1,638

WEBSITE 3,672

OFFLINE 36,867

FORMS ROUND -2 **22000**

FOCUS GROUP DISCUSSIONS **372**

TOLL FREE NUMBER **3,245** NO. OF CALLS

FACE-TO-FACE CONSULTATION

OTHER ACTIVITIES

MANUSCRIPTS (BY POST OR BY DROP BOX) **250**

PRESS & HOAORDINGS **60 DAYS** COVERAGE

MOBILE VANS

PRIORITY MATRIX

RETROFITTING & REDEVELOPMENT OPTION		Infrastructure Availability	Land Ownership	Implementability	Impact	Alignment to Vision & Goals
RETROFITTING OPTION -1	Maharaj Bada					
RETROFITTING OPTION -2	Quila Talhati (Fort Area)					
REDEVELOPMENT OPTION -1	Railway Station					
REDEVELOPMENT OPTION -2	J.C. Mill Area					

Very High | High | Medium | Low

Based upon the Desk Research, a Priority Matrix has been developed over the top two Priorities of the Citizens in Smart City Round Citizens in Smart City Round 1 Engagement for each of the **Redevelopment & Retrofitting** options.

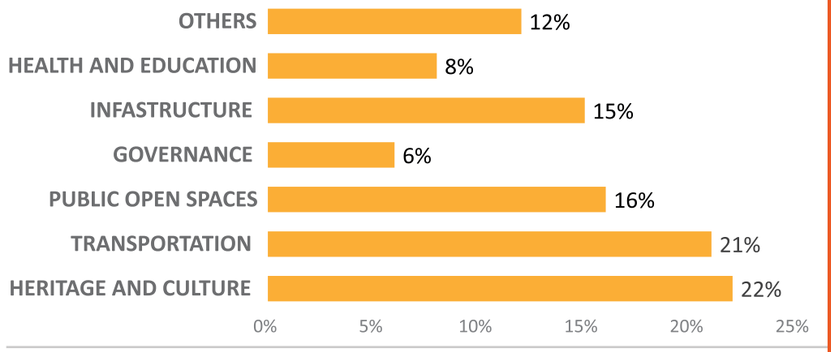
68 % PEOPLE AGREE WITH VISION AND GOALS OF ROUND -1

86 % PEOPLE AGREE WITH SELECTED AREA FOR ABD

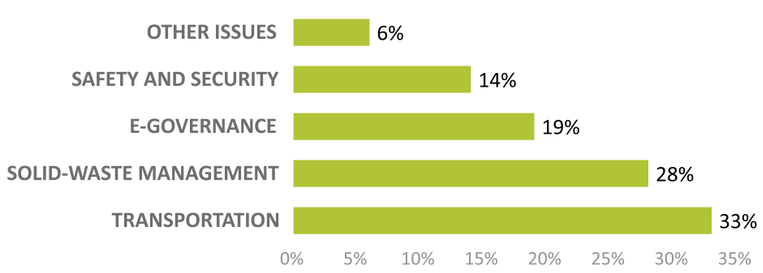
89 % PEOPLE AGREE WITH PROPOSED INITIATIVES UNDER PAN-CITY

SUGGESTED PRIORITIES IN SMART CITY PROPOSAL

AREA BASED DEVELOPMENT



PAN-CITY DEVELOPEMENT





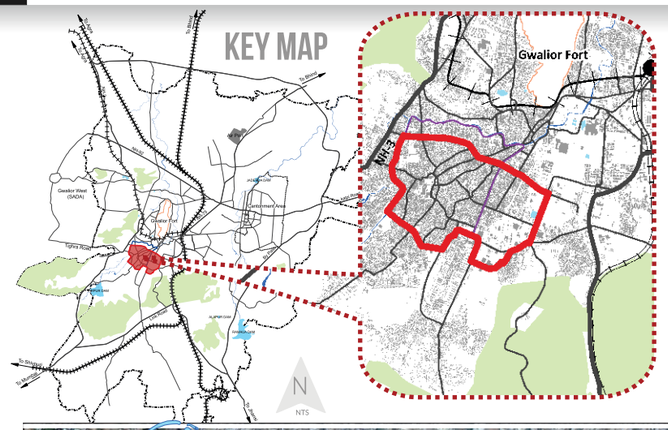


GWALIOR SMART CITY PROPOSAL ROUND 2

3.6 AREA BASED DEVELOPMENT - AREA PROFILE

(In Support to Question No. 9 : ABD Mandatary Sheet-1)

Smart City



803 ACRES
ABD AREA
0.77% of the CITY AREA

1,02,883
POPULATION
8.9% of the CITY POPULATION

19,932
HOUSEHOLDS
9.15% of the CITY HHS

921 SEX RATIO

82.65% LITERACY RATE

32.85% W F P R

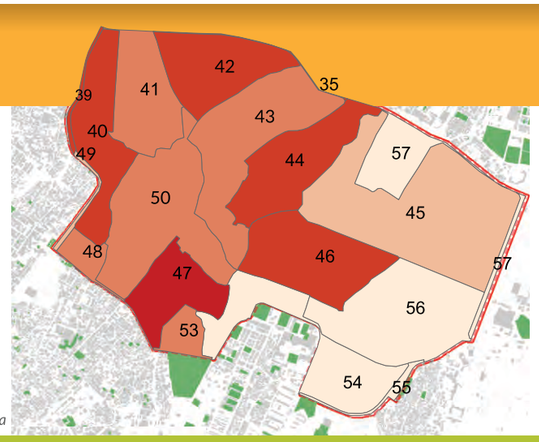
DENSITY

18 WARDS (OUT OF TOTAL 66 WARDS)

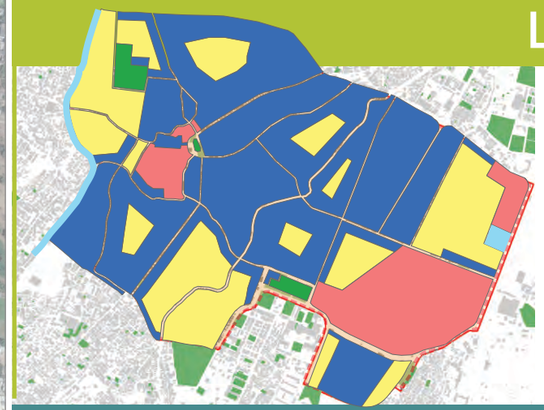
320 PPH AVERAGE DENSITY

LEGEND
- BELOW 125 PPH
- 125 - 200PPH
- 200 - 275 PPH
- 275 - 350 PPH
- ABOVE 350 PPH

** The highest density wards of the city falls with in the ABD area*



LANDUSE



- 1% Green
- 27% Residential
- 45% Commercial
- 2% Water Bodies
- 12% Roads
- 13% PSP

BUILDING FOOTPRINTS

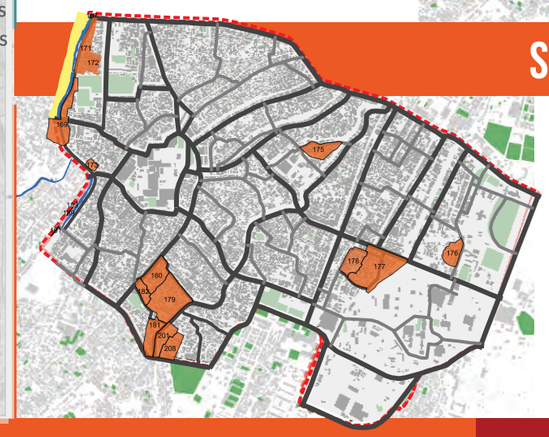
332 ACRES
AREA UNDER BUILDING FOOTPRINTS
42% of ABD Area

8.91 ACRES AREA UNDER GREEN
1.11% of ABD Area

77,268 PROPERTIES
35.68% OF TOTAL PROPERTIES IN CITY



SLUMS



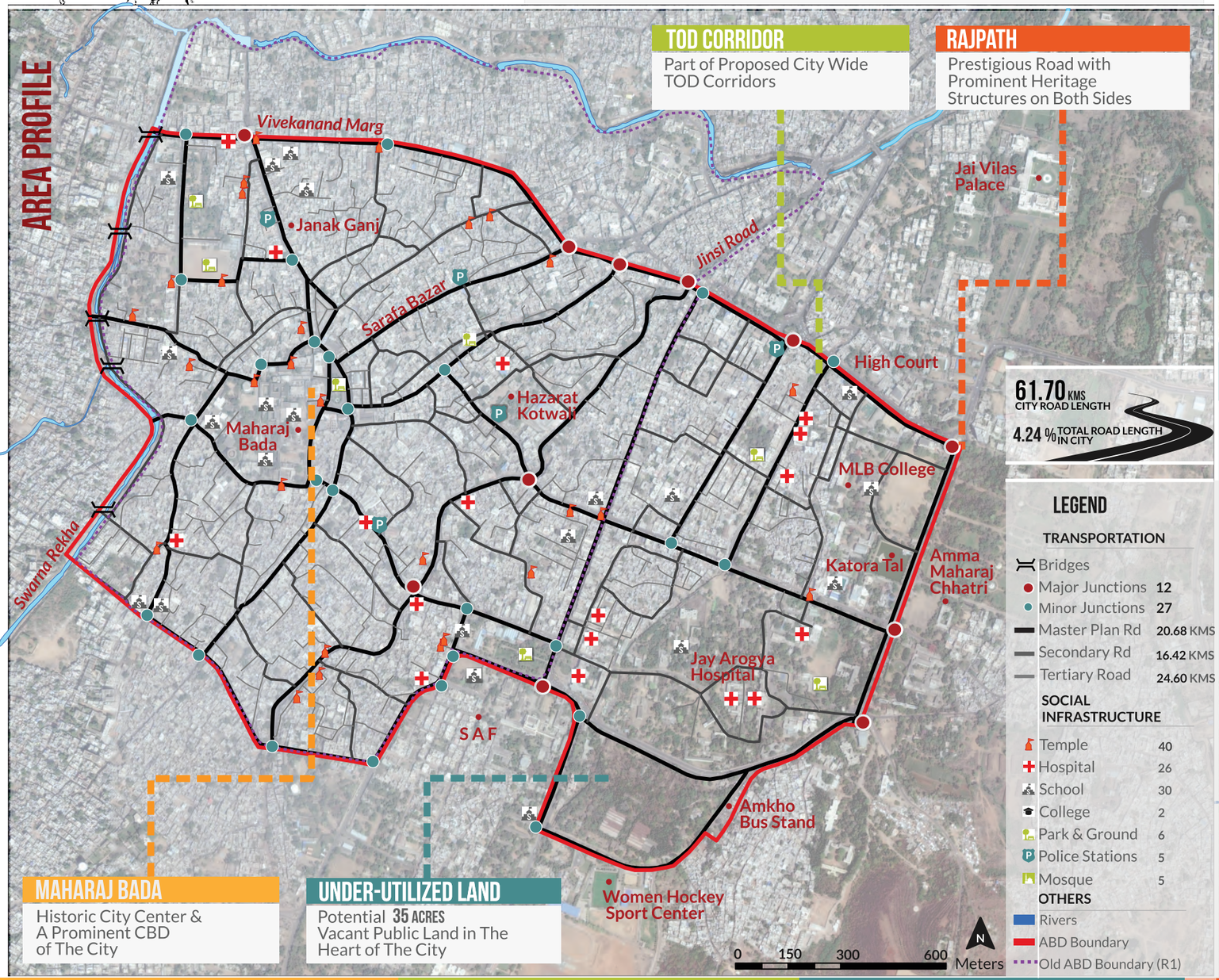
45 ACRES AREA UNDER SLUMS
5.6% OF ABD AREA

18 SLUM (4 across Swarnarekha River)

9,921 SLUM HOUSEHOLDS
5.06% OF CITY SLUM HOUSEHOLDS

11,662 SLUM POPULATION
15.48% OF CITY SLUM POPULATION

AREA PROFILE



TOD CORRIDOR
Part of Proposed City Wide TOD Corridors

RAJPATH
Prestigious Road with Prominent Heritage Structures on Both Sides

61.70 KMS CITY ROAD LENGTH
4.24 % TOTAL ROAD LENGTH IN CITY

LEGEND

TRANSPORTATION	
Bridges	
Major Junctions	12
Minor Junctions	27
Master Plan Rd	20.68 KMS
Secondary Rd	16.42 KMS
Tertiary Road	24.60 KMS

SOCIAL INFRASTRUCTURE	
Temple	40
Hospital	26
School	30
College	2
Park & Ground	6
Police Stations	5
Mosque	5

OTHERS
- Rivers
- ABD Boundary
- Old ABD Boundary (R1)

MAHARAJ BADA
Historic City Center & A Prominent CBD of The City

UNDER-UTILIZED LAND
Potential **35 ACRES**
Vacant Public Land in The Heart of The City

GWALIOR SMART CITY PROPOSAL ROUND 2

3.7 ABD PROJECT MODULES

(In Support to Question No. **9 & 11**)

M1 HERITAGE AND CULTURE MODULE

- M1.1 Creating - **"BRAND GWALIOR"**
- M1.2 Revitalizing **MAHARAJ BADA**
- M1.3 **HERITAGE HOTEL** on PPP at **MAHARAJ BADA**
- M1.4 Up-gradation of **CENTRAL LIBRARY** as **DIGITAL LIBRARY**
- M1.5 **HERITAGE NETWORK TRAIL**
- M1.6 **Place Making on RAJPATH**
- M1.7 **Public Art**
- M1.8 **Tourist Facility Centers - 2 Nos**
- M1.9 **KATORA TAL DEVELOPMENT** including Water Shows

M2 HOUSING MODULE

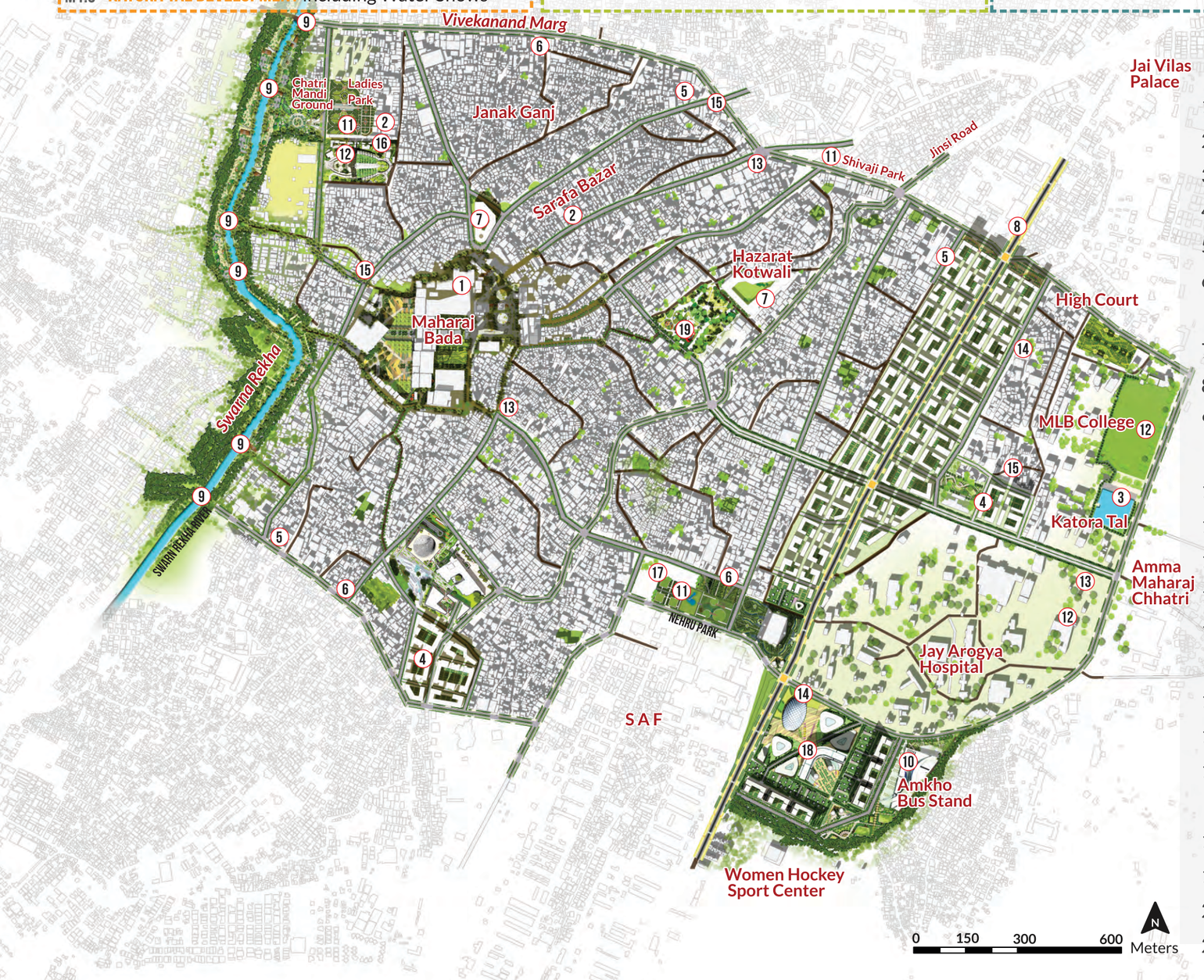
- M2.1 **AFFORDABLE HOUSING** Unit on PPP under **PMAY**
- M2.2 Affordable Housing as a Residential Component of TOD **(AHP-1493 UNITS)**
- M2.3 Housing Component in **GHTC - 1984 UNITS**
- M2.4 Development of **RENTAL HOUSING (600 UNITS)**
- M2.5 **NIGHT SHELTERS** with basic amenities - **2 Nos**
- M2.6 Residential Care Homes - **3 Nos**
- M2.7 Hostel for Working Women - **2 Nos**

M3 INFRASTRUCTURE MODULE

- M3.1 -**24X7 WATER SUPPLY** : SCADA and Smart Metering
- M3.2 -**24X7 ELECTRICITY SUPPLY** : SCADA and Smart Metering
- M3.3 - Waste Water Management System including **DEWATS**
- M3.4 **MULTI UTILITY DUCTING** & shifting of utilities
- M3.5 -City Gas Distribution Network
- M3.6 -Solid Waste Management
- M3.7 -**LED** Street Lights on Unified Pole

M4 MOBILITY MODULE

- M4.1 **EXISTING ROAD NETWORK UPGRADATION**
- M4.2 ITS with Traffic Surveillance & Analytics
- M4.3 Pedestrian Only Zone at Bada
- M4.4 **Smart Multilevel Car Parking** (2 Nos.)
- M4.5 Development of **BRT** corridor
- M4.6 Strengthening of **BRIDGES** on **SWARNAREKHA RIVER**
- M4.7 **PARKING MANAGEMENT** - on street and other sites
- M4.8 E- Rickshaw as IPT
- M4.9 Redevelopment of **Amkho Bus stand**
- M4.10 **Public Transport component integrated with PAN CITY PROPOSAL**



LEGEND

1. Central Library
2. Tourist facilitation center
3. Katora tal
4. Affordable House PMAY
5. Residential care homes
6. Hostel for working women
7. Multi-level car parking
8. BRT corridor
9. Bridge on Swarna rekha river
10. Amkho Bus Stop
11. Park improvement
12. Grounds
13. WI-FI
14. Skill development Center
15. Incubation center
16. Mandi
17. Hawker Market upgradation
18. GHTC
19. DMC
20. TOD
21. Roof top Solar Panels

M5 RECREATION AND SOCIAL MODULE

- M5.1 **REJUVENATION** and **RIVERFRONT DEVELOPMENT** of **Swarnerekha River**
- M5.2 **UP-GRADATION** Parks
- M5.3 **UP-GRADATION** of Play Grounds
- M5.4 **AUTOMATED PUBLIC TOILETS** with Water ATMs
- M5.5 Digital Literacy Campaigns
- M5.6 **SMART CLASS ROOMS** in Existing Schools
- M5.7 **SMART HEALTH CARE FACILITY**

M6 TECHNOLOGY MODULE

- M6.1 Wi-FI Hot spots
- M6.2 **CCTV** surveillance for the entire area
- M6.3 **Air Quality Monitoring** Sensors
- M6.4 **Water Quality Monitoring** Sensors
- M6.5 **GIS Mapping** of Properties and Utilities
- M6.6 Public Facilitation Centers

M7 ECONOMIC DEVELOPMENT MODULE

- M7.1 -**SKILL DEVELOPMENT CENTERS**
- M7.2 -**Incubation Centers** for Startups
- M7.3 -**Redevelopment** of Existing Mandi
- M7.4 -**Market Improvement**
- M7.5 -**Hawker's and Vending Zones** with dedicated s**mart card**
- M7.6 -**GWALIOR HABITAT AND TRADE CENTER**
- M7.7 -Mixed use **TOD DEVELOPMENT**

M8 SUSTAINABILITY MODULE

- M8.1 **ROOF TOP SOLAR PANELS**
- M8.2 **Rain Water Harvesting System**
- M8.3 **Disaster Management Center**
- M8.4 **Fire Hydrant Network**
- M8.5 **Computer Aided Dispatch (CAD)** & **AVL** of Emergency and Police Vehicles

3.8 ABD -CATALYST PROJECTS

(In Support to Question No. 9 & 11 : ABD Mandatary Sheet-2)

" REVITALIZING MAHARAJ BADA " to Regain its Past Glory, is the Key Theme of Gwalior's 803 ACRES RETROFITTING & REDEVELOPMENT

Proposal in Old Sub City of LASHKAR



PLANNING NEXUS

Revitalizing Maharaj Bada will ensure Gwalior to Become a Commercially Viable, Culturally Dynamic & Environment Friendly City with Gains Spread Across all its Citizen

REVITALIZING MAHARAJ BADA

28 ACRES of URBAN RENEWAL

Preserving Identity of Maharaj Bada through
- **Adaptive Re-use** of **6** Heritage Structures
- **Conservation** of other **7** Heritage Buildings
- Redevelopment of **2** Markets
- Heritage Hotel

6.78 KMs HERITAGE NETWORK TRAIL

Network of **3** Walks Showcasing the Living Heritage, Royal Heritage and Religious Heritage of Gwalior



GWALIOR HABITAT AND TRADE CENTER (GHTC)



32 ACRES REDEVELOPMENT

Redevelopment of underutilized public land in the heart of the city on TOD Principles

- Mixed-use campus
- Promoting art, culture and economy
- Art zones, Resource library, Skill Development Centers etc
- Convention Center

1.83 Million Sq. Ft of Business Space

1984 Units of Affordable Housing.

SWARNAREKHA RIVER FRONT DEVELOPMENT

25 ACRES of RIVER FRONT DEVELOPMENT

Along the stretch of **1.5 Km** of **Swarnarekha River**
- Creating an Ecological Balance at the congested City Core
- Enhanced Quality of Life
- Increased per-capita Open Space

Rejuvination of River
Bike Corridor
Promenade



TRANSIT ORIENTED DEVELOPMENT



1.65 KMs TOD CORRIDOR

30 M ROW Mass-Transit Route with Up-to 300 M High-density mixed use development

1.35 ACRES REDEVELOPMENT

of Amkho Bus Stand.

PLACE-WORK AND FOLK

13 ACRES of UP-GRADATION of seven existing Parks for basic Infrastructure, safety & security

5 ACRES REDEVELOPMENT

Project of three Existing Markets.

30 ACRES SLUM REHABILITATION

Project to provide **3686** Affordable Housing Units.



3.9 ABD - REVITALIZING MAHARAJ BADA

(In Support to Question No. **11 & 12**)

A VIBRANT CULTURAL HERITAGE





KEY MAP

JIWAJI CHOWK

IS A PLAZA SURROUNDED BY SEVEN HERITAGE BUILDINGS OF SEVEN DIFFERENT ARCHITECTURAL STYLE

CONSERVATION/RESTORATION/ADAPTIVE REUSE OF BUILDINGS

PEDESTRIAN ONLY ZONE

ORGANIZED STREET VENDER

PUBLIC ART

REVITALIZING HISTORIC DOWN TOWN – MAHARAJ BADA

Urban Renewal of the Historic Precinct through Identity with an Approach of **Integration.**

*" Rehabilitation of what can realistically be saved combined with **reconstruction** of new buildings in place of those beyond the reach of **feasible rehabilitation.** "*

INTEGRATION

REHABILITATION + REDEVELOPMENT

INTEGRATION MODEL

- **REHABILITATION** (CONSERVATION/PRESERVATION)
  - FACADE RESTORATION — SBI BUILDING, SBI ATM BUILDING, POST OFFICE, BUILDING, DUTT MANDIR, HANUMAN MANDIR
  - RESTORATION & UGGRADATION — CENTRAL LIBRARY TO ADD DIGITAL LIBRARY
  - ADAPTIVE REUSE — TOWN HALL, GOVERNMENT PRESS BUILDING, VICTORIA MARKET, GORKHI PALACE, SCOUT GUIDE CENTER, & OTHER 3 SCHOOLS
- **REDEVELOPMENT** (REMOVAL FOLLOWED BY NEW DEVELOPMENT) — SUBHASH MARKET & NAZARBAGH MARKET

ADAPTIVE RE-USE
HERITAGE BUILDINGS & SITES COVERED



TOWN HALL AS PERFORMING ART CENTRE

A HIGH END ART THEATER ART FOLK AND CULTURE THEATER SHOW PLAYS AND DRAMAS.

A THEATER LIBRARY AND DATA BANK.

OFF-STAGE ACTIVITIES LIKE PLAY-WRITING WORKSHOPS, A SYMPOSIUM ON DRAMA MUSIC, STREET **THEATER MELA**, AND **THEATER WORKSHOP** FOR AMATEUR THEATER GROUPS ETC.



GOVT. PRESS AS CLASSICAL MOVIE THEATER

A CENTER FOR CLASSIC CINEMA TO ORGANIZE REGULAR SCREENINGS OF THE CLASSICAL FILMS FROM ALL OVER THE WORLD.

KNOWLEDGE BASED MOVIES FOR SCHOOL CHILDREN ON DEMAND. OCCASIONS LIKE SEVERAL FILM FESTIVALS BASED ON VARIOUS THEMES.



VICTORIA MARKET AN EXTENSION TO SAROD GHAR

A CENTER FOR **INDIAN CLASSICAL, FOLK AND TRIBAL MUSIC AND DANCE**. A PLACE TO ORGANIZE REGULAR PROGRAMES OF GWALIOR GHARANA AND SPECIAL PROGRAMS FROM OTHER INDIAN MUSICALGHARANAS. A RICH MUSIC LIBRARY WITH DEDICATED SECTIONS FOR VARIOUS INDIAN CLASSICAL MUSIC.



SCOUT GUIDE CENTER
AS TOURIST INTERPRETATION CENTER

- TOURIST INFORMATION CENTER
- TRAVEL BOOKING OFFICES
- OTHER ALLIED SERVICES



GORKHI PALACE
AS HERITAGE HOTEL

ON PUBLIC PRIVATE PARTNERSHIP







CONSERVATION & PRESERVATION

FACADE RESTORATION

- SBI Building
- SBI Atm Building
- Post Office Building
- Dutt Mandir
- Hanuman Mandir

RESTORATION & UP GRADATION

- Central Library to add Digital Library

REDEVELOPMENT OF MARKET

NAZARBAGH MARKET & AND SUBHASH MARKET AS

GWALIOR URBAN HAAT

PERMANENT FAIR FOR CRAFTS, FOOD AND CULTURAL ACTIVITIES

The craftsmen from various areas and the cultural happenings will provide panoramic view of richness & diversity of handicrafts and artifacts.

IT WILL ALSO EMPOWER THE TRADITIONAL ARTISANS

A NIGHT MARKET

A MARKET WHICH OPERATE AT NIGHT

Generally dedicated to more leisurely strolling, shopping, & eating than more businesslike day markets.

TRADITIONAL SNACK FOOD AND HANDICRAFTS TO MODERN CENTERS OF POPULAR CULTURE.

OTHER IDEAS TO PROMOTE IDENTITY & CULTURE

Presenting the Identity & Culture of the city with use of structures such as Public art, Statues, Kinetic arts, Sculptures,Wall graffiti etc.

Develop an open platform for ICT for Cultural offerings (knowledge about cultural heritage, its understanding, conservation & preservation)

Tourist Information Kiosk at Railway & Bus Stations & Other public places.

GWALIOR SMART CITY PROPOSAL ROUND 2

3.10 ABD - HERITAGE TRAIL NETWORK

IN SUPPORT TO Q. 9 &11

Smart City

33 HERITAGE BUILDINGS & SITES COVERED

7 NOS FAÇADE TREATMENT AND CONTROL OF BUILDINGS

5.03 KMs TOTAL HERITAGE TRAIL NETWORK LENGTH

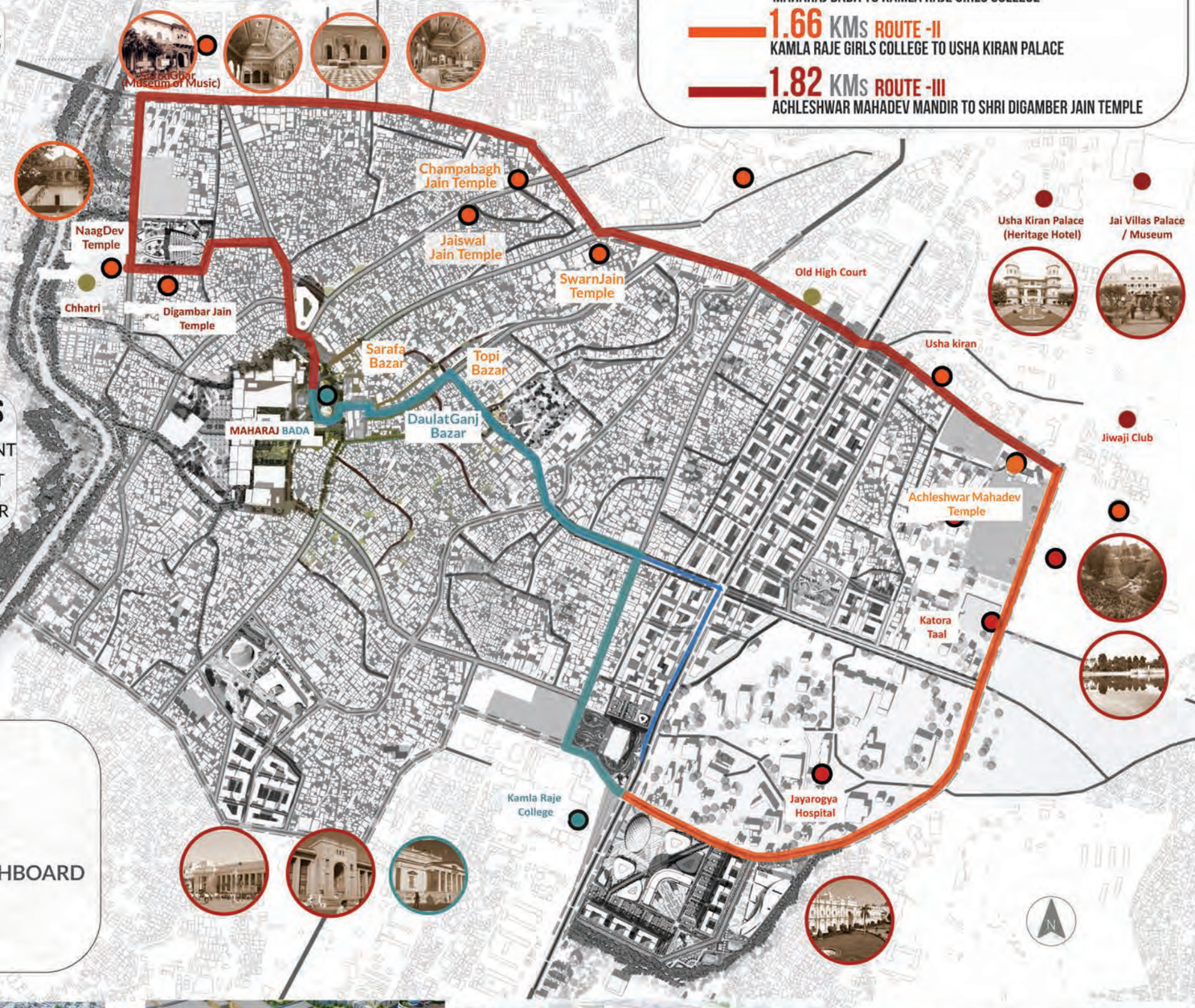
3 HERITAGE WALK ROUTES

- **1.55** KMs ROUTE -I — MAHARAJ BADA TO KAMLA RAJE GIRLS COLLEGE
- **1.66** KMs ROUTE -II — KAMLA RAJE GIRLS COLLEGE TO USHA KIRAN PALACE
- **1.82** KMs ROUTE -III — ACHLESHWAR MAHADEV MANDIR TO SHRI DIGAMBER JAIN TEMPLE

- 15 HERITAGE BUILDINGS
- HISTORIC MARKETS 6
- 6 TEMPLES
- MUSEUMS 2
- 2 CHHATRIS
- RESIDENTIAL BADA 2

AWARENESS PROGRAMMES

REGENERATED DEVELOPMENT
FACADE CONTROL OF MARKET
TOURIST FACILITATION CENTER



SMART FEATURES :

- SMART STREET SIGNAL
- PUBLIC ART
- INFRASTRUCTURE DASHBOARD
- PUBLIC FACILITIES
  (TOILETS & DRINKING WATER)

HERITAGE WALK ROUTE - I

A walk through the Living Heritage (Bada andBazaars) (Evening)

MAHARAJ BADA

- Govt. Post Office Building
- SBI Building / Kishan Ram Baldev Bank
- SBI ATM Building / Imperial Bank
- Town Hall
- Government Press / Alijah Darbar Press
- Victoria Market
- Gorkhi Palace
- Central Library at Bada

MARKET

- Sarafa Bazaar
- Topi Bazaar
- Subhash Market
- Nazarbagh Market
- Gandhi Market
- Daulat Ganj

BADAS (OLD RESIDENCES)

- Sardar Mahadi ka Bada
- Nanoore Ka Bada

HERITAGE WALK ROUTE - II

A walk through Historic Power Houses Buildings, of which some have been Re-used for some other functions now.

- Kamla Raje Girls College
- Jayarogya Hospital
- KatoraTaal
- Amma Maharaj Ki Chhatri
- MLB College Main Building
- Jiwaji Club
- Jai Vilas Palace
- UshaKiran Palace, Gwalior - A Taj Hotel

HERITAGE WALK ROUTE -III

The walk Cover Hindus and Jain Temples

- Acheleshwar Mahadev Mandir
- Swarn Jain Mandir
- Champabagh Jain Temple
- Jaiswal Jain Mandir
- Nag Dev Mandir / Scindia Dynasty
- Chhatris
- Shree Digamber Jain Temple

EXISTING CONDITION



TRANFORMATIONS







3.11 GWALIOR HABITAT AND TRADE CENTER (GHTC)

(In Support to Questions No. 9 & 11)





INTRODUCTION

The Campus is spreading over **35** ACRES of land in the **HEART OF THE CITY.**

GHTC is conceived to Provide an **INTEGRATED PHYSICAL ENVIRONMENT** which would serve as a catalyst for a **SYNERGETIC RELATIONSHIP** between Various Professions and Institutions dealing with different facets of habitat by functioning and interacting in a coordinated manner.

It also aims to blossom local talent and artisan over global platform.



Various Facility Zones located with in **500** MTS Approximate from the Site

KEY COMPONENTS

ART GALLERY An **International Platform** for showcasing and sharing ideas of **contemporary art** trends from all around the world.

LIBRARY & RESOURCE CENTER Centers to Read, learn, disseminate, surf & debate. Equipped with **State-of-Art Digital Library** cum Computer Labs to access **e-books** and **internet.**

TRAINING & LEARNING CENTER A center to mitigate Digital Divide by bringing Computer World to the under-privileged & under-served children of Gwalior with weekly and monthly computer courses.
-**Skill Development Courses** for Youth in association with **NGO's** and **CSRs**
-**Skill Development Centers** for promoting local Handicrafts

AUDITORIA & CONFERENCE VENUES **Conference halls** of different Capacities, **Auditorium, Theater** and **Documentation center.**

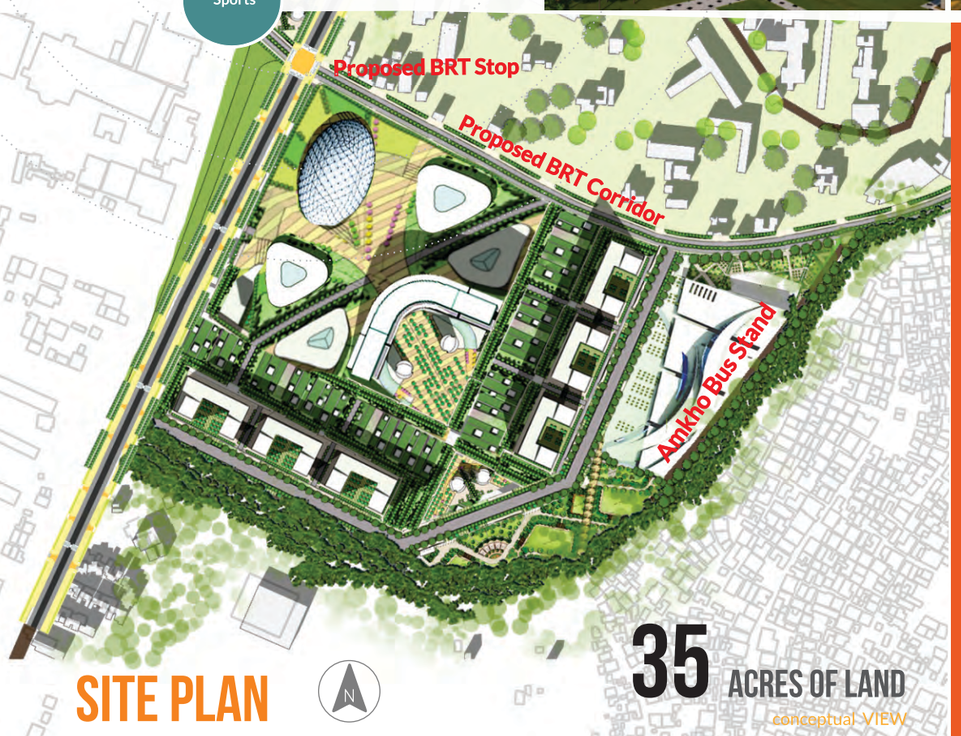
EVENT LAWNS **Garden Lawn** and **Open Air Theater** to host Event/Seminar/ Campaigns / Discussions etc.

LITE ZONE (FITNESS CENTRE, SWIMMING POOL, GYM AND SPA)

CAFETERIA, RESTAURANT AND GUEST ACCOMMODATION

SMART CAMPUS DEVELOPMENT FEATURES :

- **On Transit Oriented Development (TOD) Principles**
- Mixed-Use; High-Density Compact Structures
- Universal Accessibility Design Principles
- Leapfrogging Technology, Sustainable Campus



SITE PLAN

35 ACRES OF LAND

conceptual VIEW

PROJECT FEATURES

AFFORDABLE HOUSING

709 Affordable Housing Units (EWS & LIG)

1275 Other Housing units (HIG & MIG).

BUSINESS SPACE

1.83 Million Square feet Salable High-End Business Space with Commercial and Retail shops.

Government & Private Office Spaces

14,000 Direct Employments.

CONVENTION CENTER



3.12 ABD - SUSTAINABLE ENVIORNMENT

(IN SUPPORT TO Q. 9 &11)



KEY MAP

CHECK DAM

ENSURING OPTIMUM WATER QUANTITY IN THE RIVER-FRONT DEVELOPMENT ZONE

TOPIARY GARDEN

A GARDEN TO INCREASE THE AESTHETIC VALUE OF THE PLACE BY CLIPPINGTHEFOLIAGEANDTWIGSO FTREES OR SHRUBSTO DEVELOP CLEARLYDEFINEDSHAPES.

GHAT (SPIRITUAL AREA)

ADJACENT TO THE NAAG DEV MANDIR FOR THE HOLY PURPOSE

RIVER FRONT PARK

CITY LEVEL PARK WITH UNIVERSAL ACCESSIBLE DESIGN PRINCIPALS

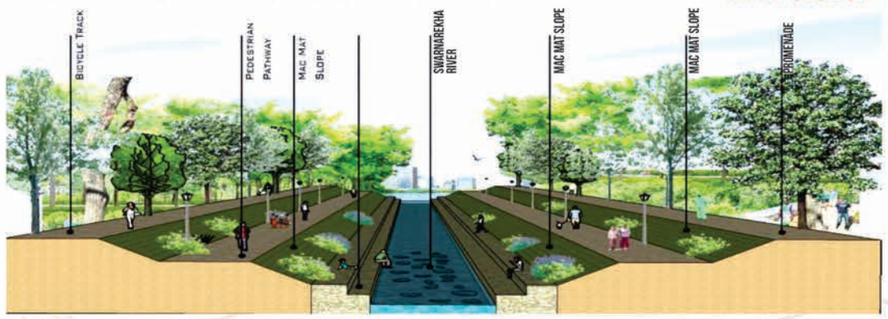
NURSERY GARDEN



8.91 ACRES
EXISTING GREEN AREA IN ABD
1.11 % of the total ABD area

105 ACRES*
PROPOSED AREA
(including existing) under Green in ABD

RIVER SECTION



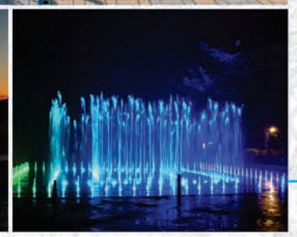












13.10 %
of the total **ABD AREA**

*The Area Includes **Existing Parks + Grounds + Swarnrekha River Front Development + 30% open area GHTC + 20% Area in all Slum Redevelopment Projects + 20 % Open Area** in TOD Land Parcels



SITE PLAN
showing location of proposed redevelopment parks

WATER FOUNTAINS

Water Fountains with light shows at **KATORA TAL LAKE**

9 ACRES Improvement of **PARKS (10 Nos)**

29 ACRES Up-gradation of **GROUNDS**

3.13 ABD - TRANSIT ORIENTED DEVELOPMENT

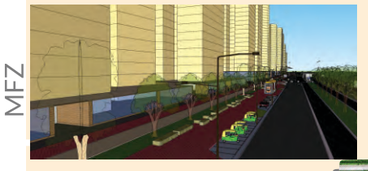
IN SUPPORT TO Q. 9 &11



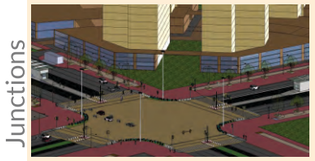
KEY MAP



Pedstriain crossing



MFZ



Junctions



Marking



Existing



Proposed



192 ACRES Area under TOD

PRIVATE LAND: 132 ACRES (68.75 %)

GOVT. LAND: 60 ACRES (31.25 %)

Proposed Mass Transit Network:

Bus Rapid Transit System (BRTS)

1.65 KMs 30 M WIDS BRT CORRIDOR

Length in ABD Area

- 3 NOS of BRT Bus Stops
- 3 NOS of PBS Station

3.3 KMs NMT Corridor

KEY FEATURES

Compact, Mixed use development upto METERS depth on the either side of BRT Corridor

Vertical mixing of LAND-USES

PEDESTRIAN-ORIENTED design features

Commercial Street "WITH ZERO SETBACKS"

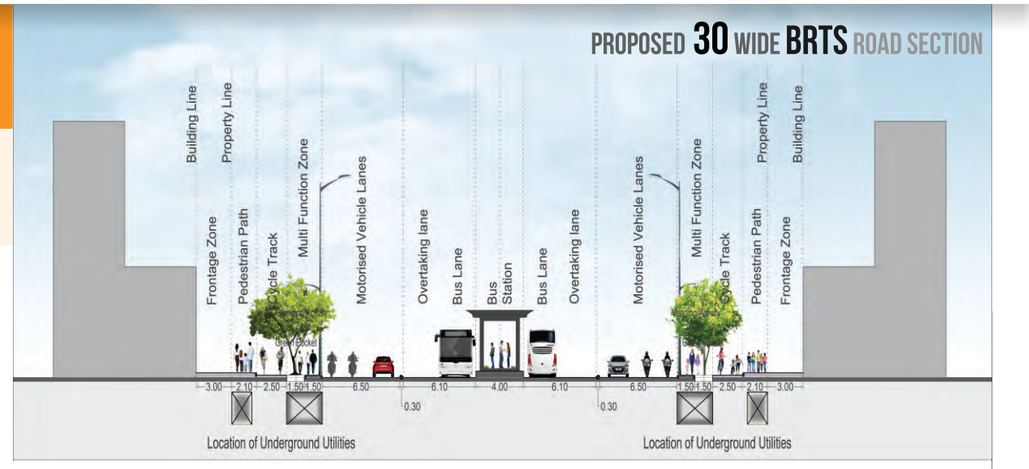
(Residential Streets with Max. 2 M Set-back)

Smaller Block Sizes of better connectivity

1.35 ACRES Redevelopment of Amokhi Bus Stand



PROPOSED 30 WIDE BRTS ROAD SECTION



4219 AFFORDABLE HOUSING UNIT under AHP in PMAY

30 ACRES OF LAND FOR AFFORDABLE HOUSING DEVELOPMENT
4219 Affordable Housing Units (under AHP in PMAY)

960 Other Housing Units

600 Rental Housing Units

HOUSING

7163 Affordable Housing Units

600 Rental House Units

MOBILITY

82 KMs Total Road Network ABD

37.10 KMs 2 Way Streets

12.2 KMs One Way Streets

7 KM. Pedestrian only Streets

28 KMs Pedestrian only Zone at Bada

2 Multi-level car Parking

100 E-Rickshaw

SOCIAL EQUITY

. 3 Residential Care Homes

. 2 Night Shelters

. 3 Working Women Hostels

. 20 Auto-Matic Toilets

. 22 Smart Class Rooms

. 21 Smart Hospitals

SUSTAINABILITY

8.1 MILLION SQ.FT Roof Top Space for Solar Panel

8 MW Solar Power Generation

Rain Water Harvesting Mandatory for Building Above 250 Sq.M built-up area.

Fire Hydrant Network

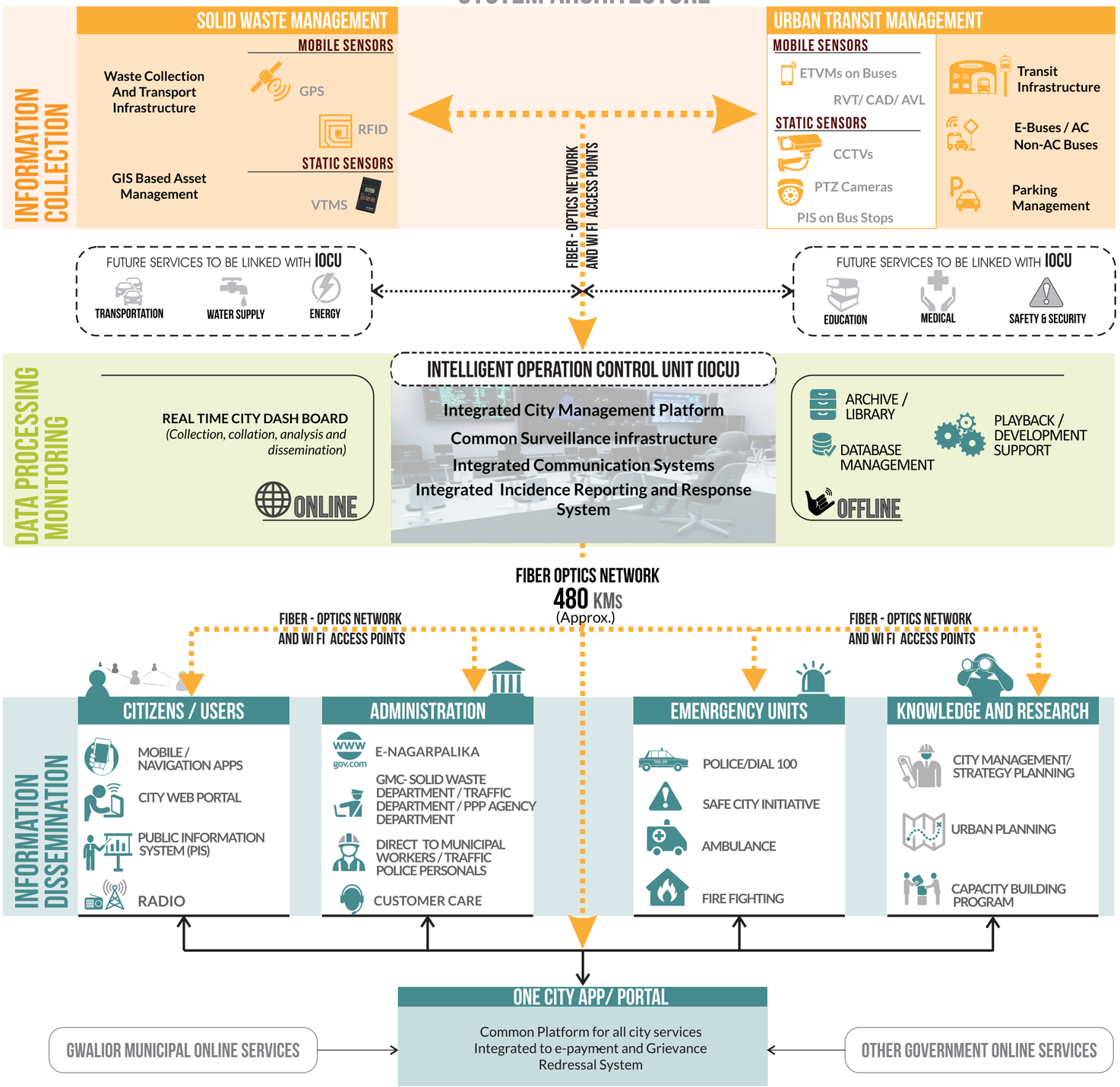
3.14 PAN CITY INTELLIGENT OPERATION CONTROL UNIT (IOCU) & SOLID WASTE MANAGEMENT

(In Support to Questions No. 19, 20)

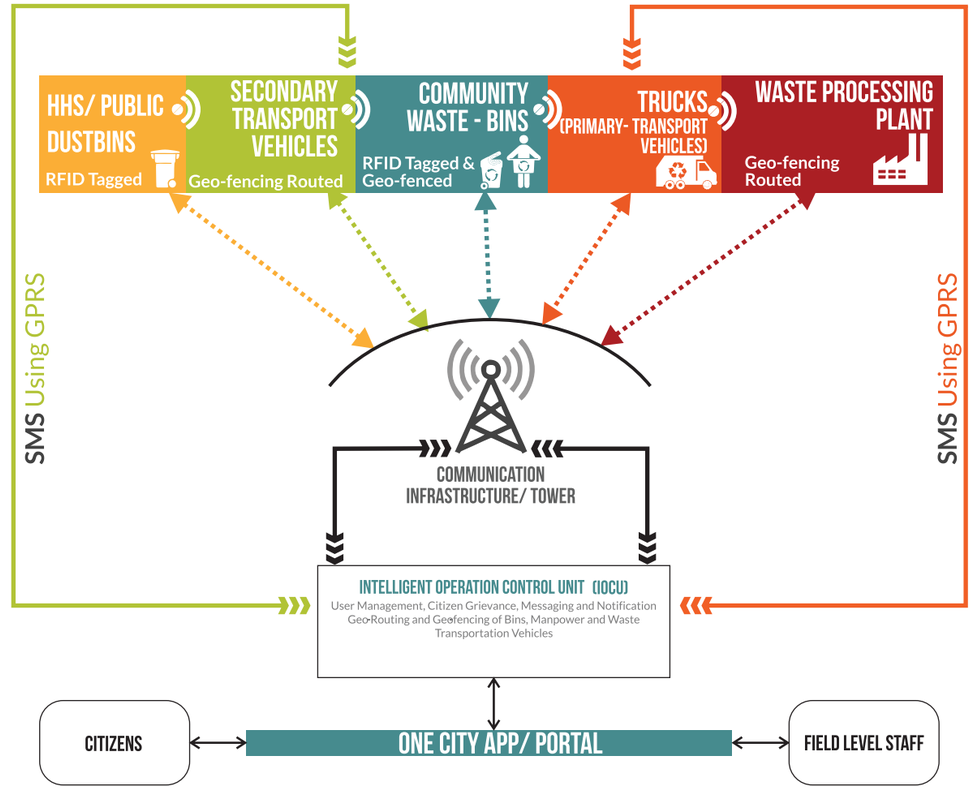
INTELLIGENT OPERATION CONTROL UNIT (IOCU)

ICOU is a Centralized Command and Control Center with **Inter-Operable Architecture**, delivering the most advance and reliable, fully integrated **End-to-End Solution** for Urban issues.

SYSTEM ARCHITECTURE



SOLID WASTE MANAGEMENT



M9 COMMAND AND CONTROL CENTER

- M9.1 Multipurpose Backbone Communication Infra
- M9.2 Command and Control Center
- M9.3 City Dash Board
- M9.4 One City One App

M11 SOLID WASTE MANAGEMENT MODULE

- M11.1 Collection and Transportation Infrastructure
- M11.2 GIS based Asset Management
- M11.3 Management System (VTMS)
- M11.4 Street Sweeping Machines
- M11.5 IEC Campaign for Citizens
- M11.5 Capacity Building Programmes

RIFD WASTE BINS

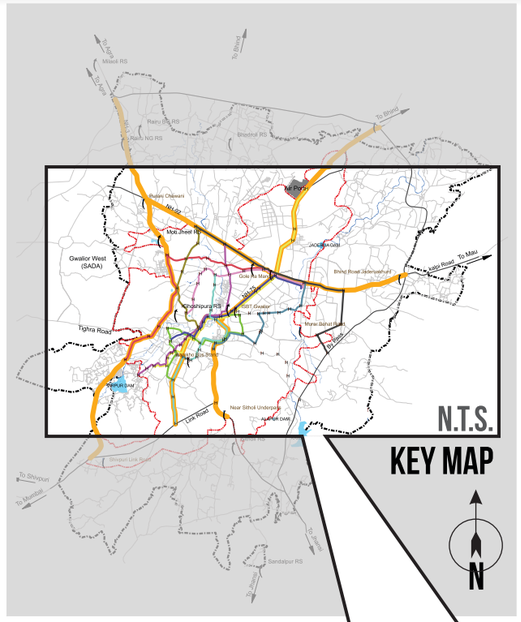
- 700 NOS Road Side Bins (60 Lit.)
- 450 NOS BINS (2.5 Cu. Mts)
- 150 NOS BINS (5.5 Cu. Mts)

RFID / VTMS WASTE VEHICLES

- 50 SOLAR POWER E- RIKSHAW WITH TIPPER
- 7 NOS BIN PLACER(2.5 Cu. Mts)
- 8 NOS Bin Placer (5.5 Cu. Mts)
- 4 NOS DUMP TRUCK (12 Cu. Mts)

3.15 PAN CITY URBAN TRANSIT MANAGEMENT (UTM)

(In Support to Questions No. 19, 20)



UTM SYSTEM ARCHITECTURE

TRANSIT MANAGEMENT

PARKING MANAGEMENT

Passenger Information through PIS at Bus Stops and Buses (Also accessible via One City App)

PT Schedule

PT Real-Time Tracking

INFORMATION DISSEMINATION TO CITIZENS

INTELLIGENT OPERATION CONTROL UNIT (IOCU)

Fleet Management and Monitoring
- Vehicle Tracking System (AVL)
- Synchronization of different Public Transport Schedules
- Passenger Information System
- Passenger Security

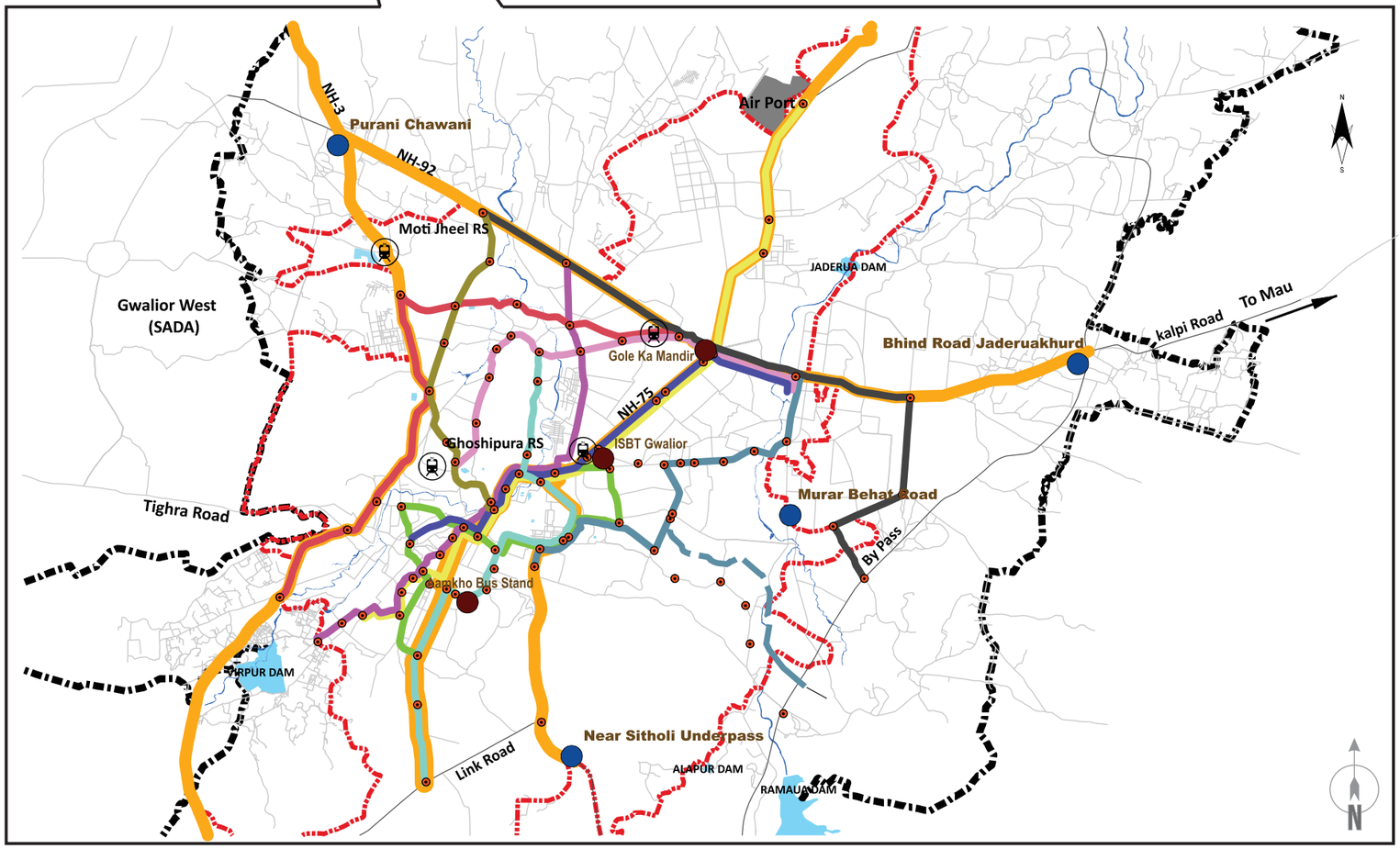
Parking Management and Monitoring
- Parking Availability Monitoring
- Vehicle and User Security

INFORMATION DISSEMINATION TO CITIZENS

Dynamic Message Sign Boards

Parking Proximity

Parking Avaliblity



M10 URBAN TRANSIT MODULE

- M10.1 Transit Infrastructure
- M10.2 Rolling Stock
- M10.3 ICT Components
- M10.4 Parking Management

Legend
- Existing Bus Terminal
- Proposed Bus Terminals
- Railway Stations
- City Bus Stops

Public Transport Route
- <all other values>

NAME
- PT_10_Sarwasati Sisu Mandir To Chirwai Naka
- PT_1_Deendayal Nagar to Sindhi Colony
- PT_2_Gwalior Railway Station To Gudagaudi Ka Naka
- PT_3A High Court To
- PT_3_Murar7 To Chandra Wadhani Naka
- PT_4_IITM Gwalior To Sindhi Colony
- PT_5_Navgrah Mandir To Gole Ka Mandi
- PT_6_Hurawali To Gwalior
- PT_7_IITM Gwalior To Harikheda Jagar Road
- PT_8_Central Library To Murar
- PT_9_Sinde Ki Chawani To Jalalpura Bus Stop
- BRTS Corridor
- Regional Roads
- Old Municipal Area
- Rivers
- Existing Other Roads
- Municipal Area

PUBLIC TRANSPORT ROUTES

110 KMS Standard bus route length

70 KMS Standard bus route length

389 ETVMs over Buses & Bus Stops

2800 (Approx.) CCTVs

PUBLIC BIKE SHARING (PBS)

2000 NOS BIKES **100** NOS DOCKING STATIONS

BUSES AND BUS STOPS

10 NOS E-BUSES **200** NOS BUS STOPS

50 NOS AC BUSES **6** BUS TERMINALS

129 NOS NON-AC BUSES

PARKING

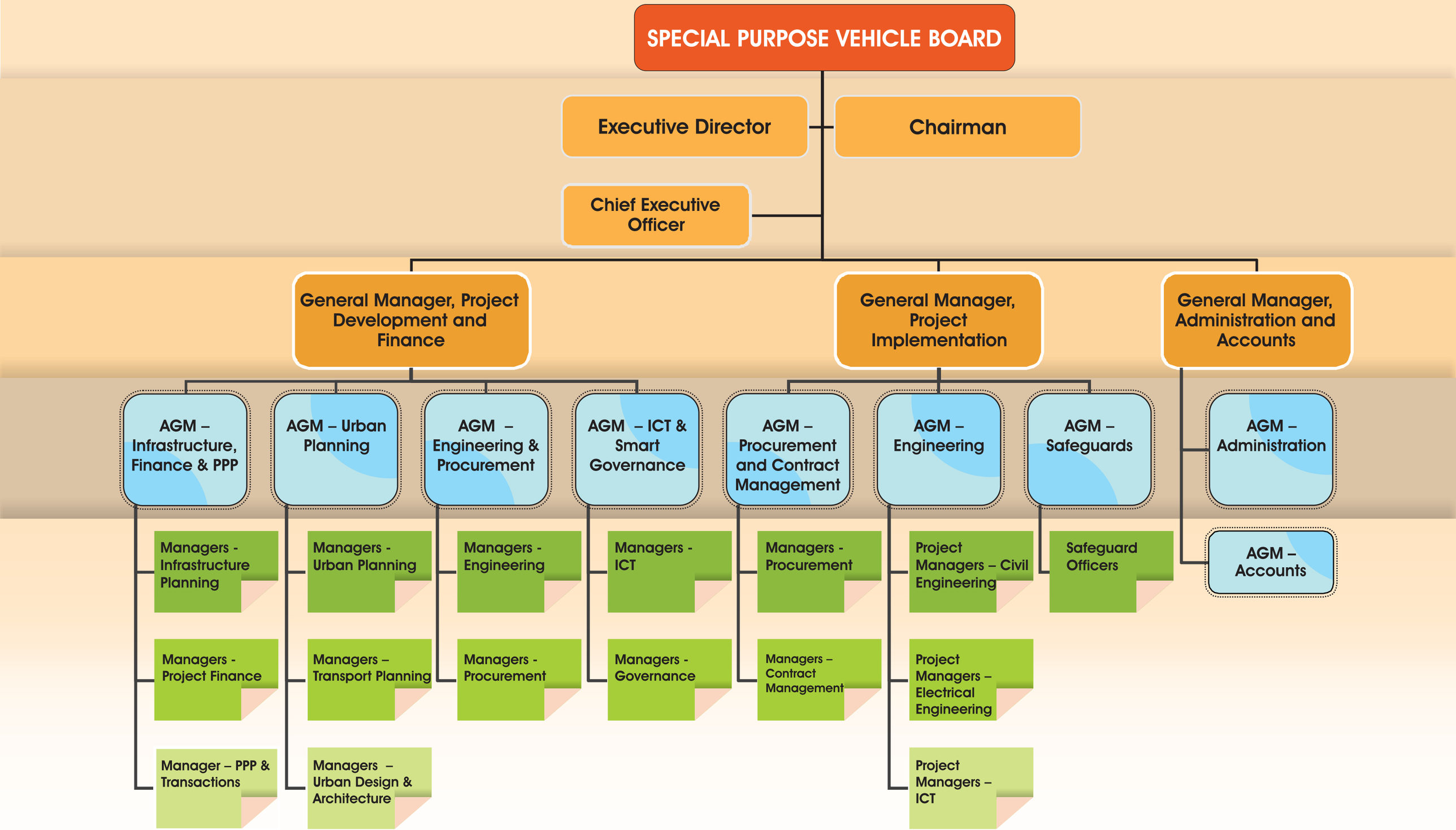
20 NOS existing on street parking locations

45 NOS proposed on street parking locations

3 NOS Multi level parking

3.16 ORGANIZATIONAL SET-UP FOR SPV

(In Support to Questions No. 34)



3.17 ORGANOGRAM FOR STAKEHOLDER'S ROLE (In Support to Questions No. 36)

Organogram for Stakeholders Role

Citizens Forum
- Residents Welfare Association
- Market Associations/Commercial condominiums
- Prominent Citizens
- Non-Governmental Organizations (NGO)
- Other Related Asso/Insts

Advisory Forum
- Hon. Member of Parliament (MP)
- Hon. Members of Legislative Assembly (MLAs)
- Hon. Mayor as Convener
- M-I-C Members
- Councilors of Wards under ABD

Hand-holding Organizations/ Consultants

Project Planning and Development

holding Organizations/ Consultants

Special Purpose Vehicle (SPV)

Collector (Chairman of the Board), Municipal Commissioner (Executive Director) & Mayors Nominee	2 MPUDC representatives & 1 Govt of India representative	CEO, Gwalior Development Authority, 1 Executive Engineer each from MPPWD, PHED & Electricity DISCOM	Regional Transport Officer & Joint Director – T&CP	3 Independent directors

Implementing Agencies
- Gwalior Development Authority
- Gwalior Municipal Corporation
- Madhya Pradesh Housing Board
- Gwalior City Transport Services Ltd
- PPP Partner /Vendor
- Parastatal Agencies

Project Implementation, Supervision and Monitoring

Project Operation Maintenance and Management

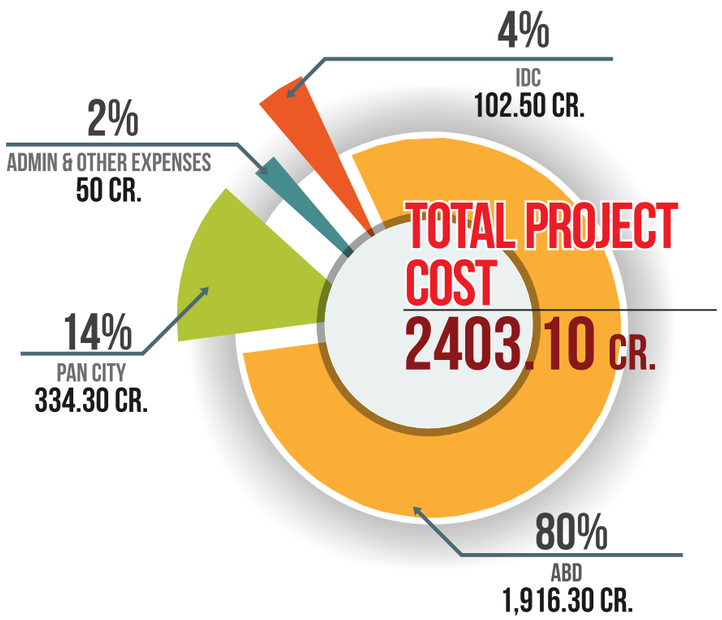
O&M and Management Agencies
- Gwalior Municipal Corporation
- Gwalior Development Authority
- Madhya Pradesh Housing Board
- Gwalior City Transport Services Ltd
- PPP Partner /Vendor
- Parastatal Agencies

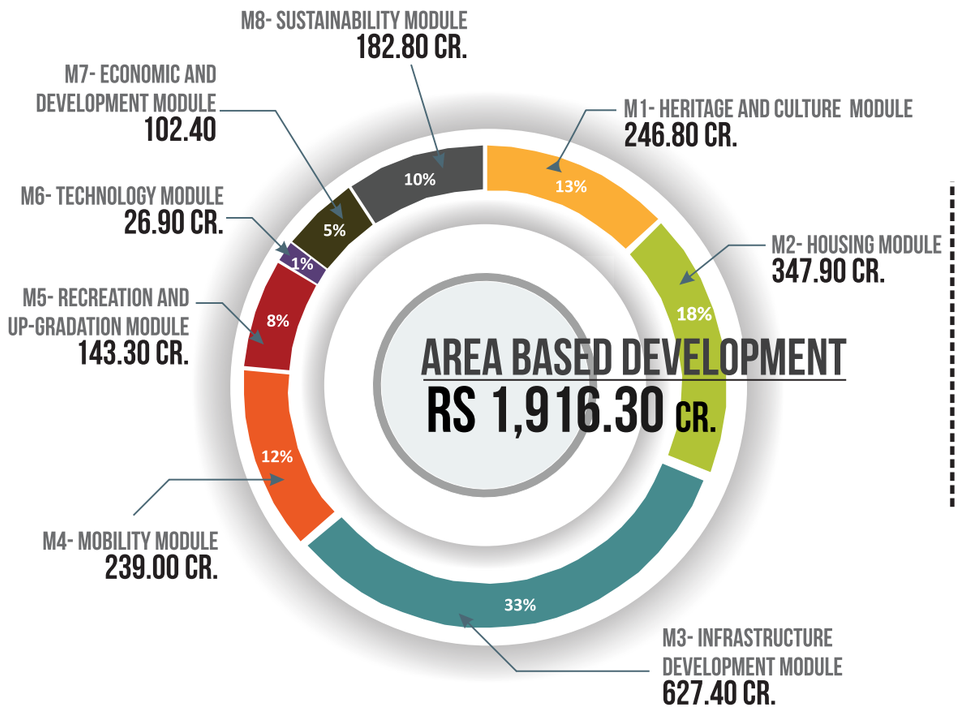
Inter-departmental Task Force

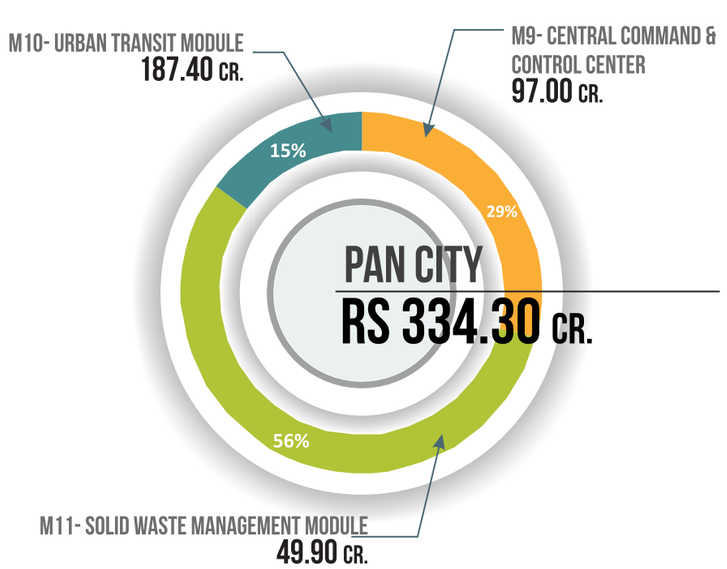
Technical Head of all ULBs	Executive Head of all ULBs	Collector as chairman and Municipal Commissioner as Convener	Executive Head of all Para-statal Agencies for Gwalior	Technical Head of all Para-statal Agencies for Gwalior

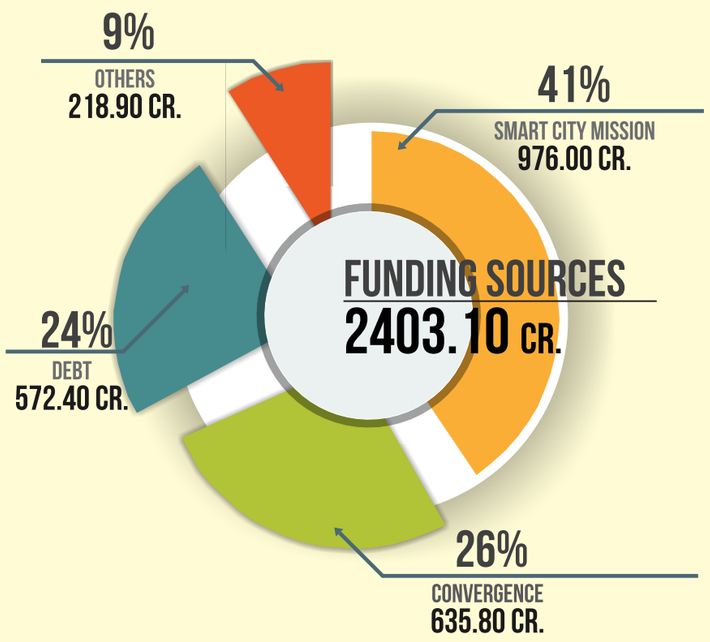
3.18 FINANCIAL ABSTRACT

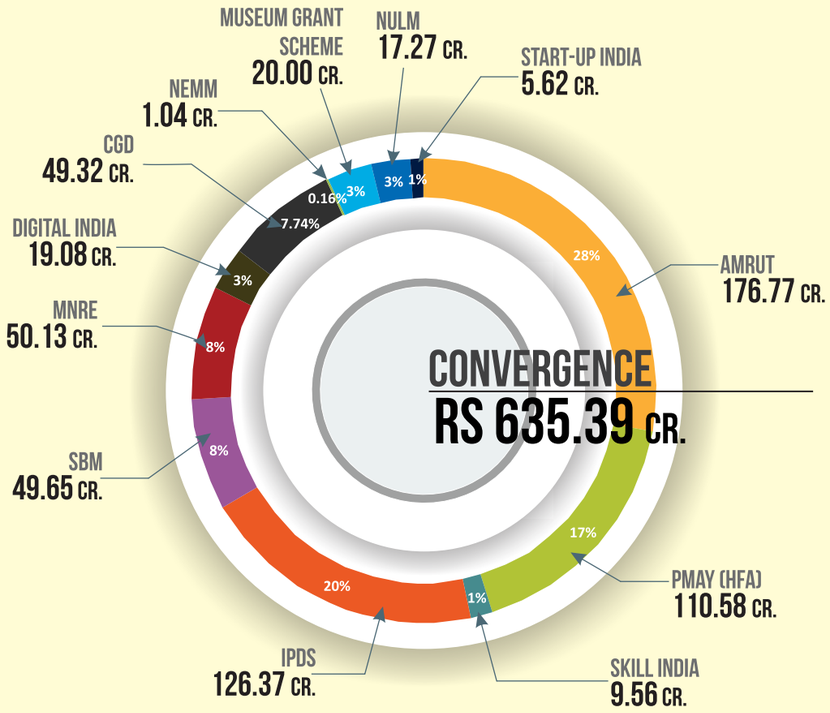
(In Support to Questions No. 37)

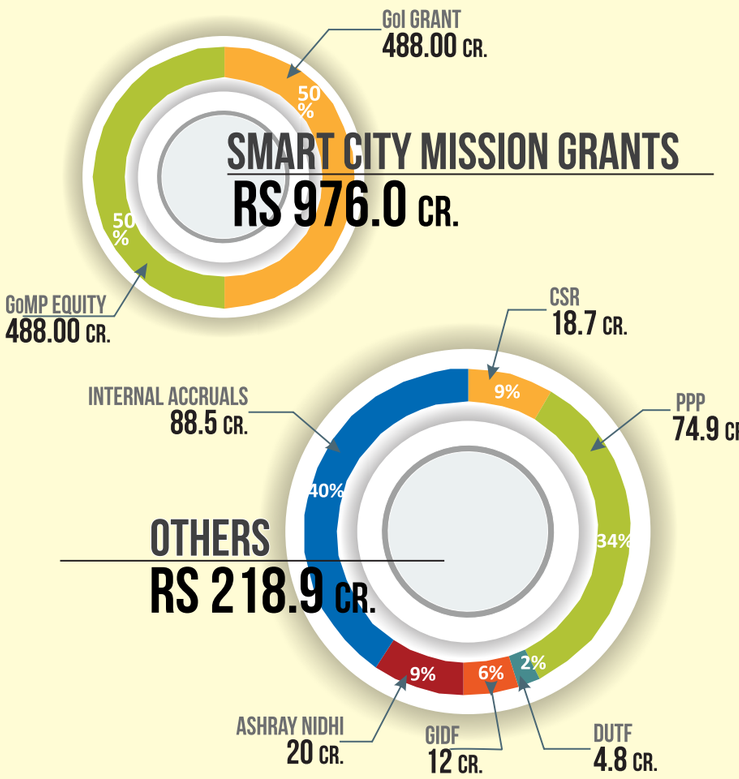












GWALIOR SMART CITY PROPOSAL ROUND 2

3.19 FINANCIAL TIME LINE

(In Support to Questions No. 42)

AREA BASED PROPOSAL

M01 HERITAGE & CULTURE MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M1.1	CREATING - "BRAND GWALIOR"										
M1.2	REVITALIZING MAHARAJ BADA										
M1.3	HERITAGE HOTEL ON PPP AT MAHARAJ BADA										
M1.4	UPGRADATION OF CENTRAL LIBRARY AS DIGITAL LIBRARY INCLUDING FAÇADE RESTORATION										
M1.5	HERITAGE NETWORK TRAIL										
M1.6	PLACE MAKING ON RAJ PATH										
M1.7	PUBLIC ART & SMART STREET SIGNAGES & INTERACTIVE PUBLIC DASHBOARDS										
M1.8	TOURIST FACILITY CENTER - 2 NOS.										
M1.9	KATORA TAL TANK DEVELOPMENT INCLUDING WATER SHOW										

M02 HOUSING MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M2.1	DEVELOPMENT OF 3686 AFFORDABLE HOUSING UNIT ON PPP UNDER PMAY										
M2.2	AFFORDABLE HOUSING AS A RESIDENTIAL COMPONENT OF MIXED USE TOD DEVELOPMENT IN AHP - 1493 UNITS										
M2.3	HOUSING COMPONENT IN GWALIOR HABITAT AND TRADE CENTER - 1984 UNITS										
M2.4	DEVELOPMENT OF RENTAL HOUSING FOR FLOATING POPULATION (600 UNITS)										
M2.5	DEVELOPMENT OF NIGHT SHELTERS WITH BASIC AMENITIES										
M2.6	RESIDENTIAL CARE HOMES										
M2.7	HOSTELS FOR WORKING WOMEN										

M03 INFRASTRUCTURE MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M3.1	24X7 WATER SUPPLY										
M3.2	24X7 POWER SUPPLY										
M3.3	WASTE WATER MANAGEMENT SYSTEM INCLUDING DEWATS										
M3.4	MULTI-UTILITY DUCTING AND SHIFTING OF UTILITIES										
M3.5	CITY GAS DISTRIBUTION NETWORK										
M3.6	SOLID WASTE MANAGEMENT										
M3.7	LED STREET LIGHTS ON UNIFIED POLES WITH MULTIPLE FACILITIES										

M04 MOBILITY MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M4.1	UPGRADATION OF EXISTING ROAD NETWORK TO FULL SECTION DEVELOPMENT										
M4.2	ITS WITH TRAFFIC SURVEILLANCE AND ANALYTICS										
M4.3	PEDESTRIAN ONLY ZONE AT BADA										
M4.4	SMART MULTILEVEL CAR PARKINGS AT 2 LOCATIONS										
M4.5	DEVELOPMENT OF BRT CORRIDOR										
M4.6	STRENGTHENING OF EXISTING BRIDGES ON SWARNAREKHA RIVER										
M4.7	PARKING MANAGEMENT - ON STREET AND OTHER SITES										
M4.8	E- RICKSHAW AS IPT										
M4.9	REDEVELOPMENT OF AMKHO BUS STAND										
M4.10	PUBLIC TRANSPORT COMPONENTS INTEGRATED WITH PAN CITY PROPOSAL										

M05 RECREATION AND SOCIAL UPGRADATION MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M5.1	REJUVENATION AND RIVERFRONT DEVELOPMENT OF SWARNEREKHA RIVER INCLUDING AERATORS										
M5.2	UP-GRADATION OF NEHRU PARK, LADIES PARK AND SHIVAJI PARK										
M5.3	UPGRADATION OF PLAY GROUNDS										
M5.4	AUTOMATED PUBLIC TOILETS WITH WATER ATMS										
M5.5	DIGITAL LITERACY CAMPAIGNS										
M5.6	SMART CLASS ROOMS IN EXISTING SCHOOLS										
M5.7	PUBLIC ART & SMART STREET SIGNAGES & INTERACTIVE PUBLIC DASHBOARDS										

M06 TECHNOLOGY MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M6.1	WI-FI- HOTSPOTS										
M6.2	CCTV SURVEILLANCE FOR THE ENTIRE AREA										
M6.3	AIR QUALITY MONITORING SENSORS										
M6.4	WATER QUALITY MONITORING SENSORS										
M6.5	GIS MAPPING OF PROPERTIES AND UTILITIES - DATA VISUALIZATION AND ANALYTICS										
M6.6	PUBLIC FACILITATION CENTERS										

M07 ECONOMIC DEVELOPMENT MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M7.1	SKILL DEVELOPMENT CENTERS FOR HANDLOOM AND HANDICRAFT WORKERS										
M7.2	INCUBATION CENTERS FOR STARTUPS										
M7.3	REDEVELOPMENT OF EXISTING MANDI										
M7.4	MARKET IMPROVEMENT OF OTHER 3 MARKETS IN BADA AREA										
M7.5	HAWKER'S AND VENDING ZONES WITH DEDICATED SMART CARD FOR HAWKERS										
M7.6	GWALIOR HABITAT AND TRADE CENTER										
M7.7	MIXED USE TOD DEVELOPMENT ON PPP										

M08 SUSTAINABILITY MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M8.1	SOLAR PANELS ON ROOF TOPS OF PUBLIC BUILDINGS FACILITIES										
M8.2	RAIN WATER HARVESTING SYSTEM										
M8.3	FIRE HYDRANT NETWORK WITH PUMPS AND WATER STORAGE										
M8.4	DISASTER MANAGEMENT CENTER										
M8.5	COMPUTER AIDED DISPATCH (CAD) & AVL OF EMERGENCY AND POLICE VEHICLES HARDWARE & SOFTWARE										

PAN CITY PROPOSAL

M09 COMMAND AND CONTROL CENTER WITH COMMUNICATION NETWORK

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M9.1	MULTIPURPOSE BACKBONE COMMU--NICATION INFRASTRUCTURE (OFC)										
M9.2	COMMAND AND CONTROL CENTER										
M9.3	CITY DASH BOARD										
M9.4	ONE CITY ONE APP										

M10 URBAN TRANSIT MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M10.1	TRANSIT INFRASTRUCTURE										
M10.2	ROLLING STOCK										
M10.3	ICT COMPONENTS										
M10.4	PARKING MANAGEMENT										

M11 SOLID WASTE MANAGEMENT MODULE

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
M11.1	COLLECTION AND TRANSPORTATION INFRASTRUCTURE										
M11.2	GIS BASED ASSET MANAGEMENT										
M11.3	STREET SWEEPING MACHINES										
M11.4	IEC CAMPAIGN FOR CITIZENS										
M11.5	CAPACITY BUILDING PROGRAMMES										

3.20-(A) FINANCIAL PLAN

(In Support to Questions No. 37,38 ,41 ,42)

PROJECT DESCRIPTION				MEANS OF FINANCE										O&M COST & FINANCE			PHASING OF INVESTMENTS									
				Convergence from other Schemes/Projects			Smart City		Other Sources						Means of Financing		Year 1		Year 2		Year 3		Year 4		Year 5	
SN	Module/ Project Code	Module/ Project Name	Total Capital Cost (₹ Crs.)	Scheme Name	Amount in ₹ Crs (GoI)	Amount in ₹ Crs (GoMP)	Total Amount (₹ Crs)	Grant Amount (₹ Crs)	Equity Amount (₹ Crs)	Source	Amount (₹ Crs)	Debt Amount (₹ Crs)	Internal Accruals Amount (Crs.)	Total Finance Amount (₹ Crs)	O&M Costs (₹ Crs)	Mode Name	O&M Finance Amount (₹ Crs)	H1 Amount (₹ Crs)	H2 Amount (₹ Crs)	H3 Amount (₹ Crs)	H4 Amount (₹ Crs)	H5 Amount (₹ Crs)	H6 Amount (₹ Crs)	H7 Amount (₹ Crs)	H8 Amount (₹ Crs)	H9 Amount (₹ Crs)	H10 Amount (₹ Crs)
I	AREA BASED DEVELOPMENT																									
1	M1	Heritage and Culture Module																								
	M1.1	Creating - "Brand Gwalior"	50.00		0.00	0.00	0.00	10.29	10.29	CSR	5.18	24.25	0.00	50.00	0.00		0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	M1.2	Revitalizing Maharaj Bada	120.00	Ministry of Culture (GoI), Museum Grant Scheme	10.00	10.00	20.00	29.83	29.83	PPP	0.00	40.34	0.00	120.00	1.15	Tickets Revenue	0.57	12.00	12.00	24.00	24.00	24.00	24.00	0.00	0.00	0.00	0.00
	M1.3	Heritage Hotel on PPP at Maharaj Bada	25.00		0.00	0.00	0.00	0.00	0.00	PPP	25.00	0.00	0.00	25.00				2.50	2.50	5.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00
	M1.4	Upgradation of Central Library as Digital Library including Façade Restoration	2.00		0.00	0.00	0.00	0.41	0.41			1.18	0.00	2.00	0.02		0.00	0.00	0.00	0.00	0.20	0.80	1.00	0.00	0.00	0.00	0.00
	M1.5	Heritage Network Trail	20.75	NEMM	0.40	0.00	0.40	4.27	4.27	CSR	0.25	11.56	0.00	20.75	0.21		0.00	2.08	2.08	4.15	4.15	4.15	4.15	0.00	0.00	0.00	0.00
	M1.6	Place Making on Raj Path	1.00		0.00	0.00	0.00	0.00	0.00	PPP	1.00	0.00	0.00	1.00				0.10	0.10	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00
	M1.7	Public Art & smart street signages and interactive public dashboards	25.00		0.00	0.00	0.00	5.14	5.14	CSR	3.21	11.50	0.00	25.00	0.25		0.00	0.00	5.00	5.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00
	M1.8	Tourist Facility Center - 2 Nos.	1.00		0.00	0.00	0.00	0.41	0.41		0.00	0.18	0.00	1.00	0.01		0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00
	M1.9	Katora Tal Tank Development including Water Show	2.00		0.00	0.00	0.00	0.41	0.41		0.00	1.18	0.00	2.00	0.10	Tickets Revenue	0.11	0.20	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00
		Total - M1	246.75		10.40	10.00	20.40	50.76	50.76		34.64	90.18	0.00	246.75	1.74		0.68	21.88	27.28	43.95	44.15	44.65	44.85	5.00	5.00	5.00	5.00
2	M2	Housing Module																									
	M2.1	Development of 3686 Affordable Housing Unit on PPP under PMAY	294.88	PMAY	55.29	55.29	110.58	62.31	62.31	Ashray Nidhi	20.00	39.68	0.00	294.88	2.95		0.00	14.74	14.74	14.74	14.74	29.49	29.49	29.49	44.23	44.23	58.98
	M2.2	Affordable Housing as a Residential Component of Mixed Use TOD Development in AHP - 1493 Units						0.00	0.00			0.00		0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M2.3	Housing Component in Gwalior Habitat and Trade Center - 1984 Units						0.00	0.00			0.00		0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M2.4	Development of Rental Housing for Floating Population (600 Units)	45.00		0.00	0.00	0.00	9.26	9.26		0.00	26.48	0.00	45.00	2.25	Rent	2.25	0.00	0.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	9.00
	M2.5	Development of Night shelters with basic amenities	1.00		0.00	0.00	0.00	0.00	0.00	CSR	1.00	0.00	0.00	1.00	0.01		0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.20
	M2.6	Residential Care Homes	3.00		0.00	0.00	0.00	0.00	0.00	CSR	3.00	0.00	0.00	3.00	0.03		0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.60	0.60	0.60
	M2.7	Hostels for Working Women	4.00		0.00	0.00	0.00	0.00	0.00	CSR	4.00	0.00	0.00	4.00	0.04	Rent	0.04	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.80	0.80	0.80
		Total M2	347.88		55.29	55.29	110.58	71.57	71.57		28.00	66.16	0.00	347.88	5.28		2.29	14.74	14.74	14.74	14.74	29.49	40.09	40.09	54.83	54.83	69.58
3	M3	Infrastructure Module																									
	M3.1	24X7 Water Supply	69.28	AMRUT	20.84	31.58	52.42	8.43	8.43		0.00	0.00	0.00	69.28	4.80	Water Charges	21.73	6.93	10.39	10.39	13.86	13.86	13.86	0.00	0.00	0.00	0.00
	M3.2	24X7 Power Supply	180.53	IPDS	108.32	18.05	126.37	27.08	27.08		0.00	0.00	0.00	180.53	0.00		0.00	0.00	0.00	45.13	45.13	45.13	45.13	0.00	0.00	0.00	0.00
	M3.3	Waste Water Management System including DEWATS	198.45	AMRUT	30.63	46.41	77.04	56.71	56.71		0.00	7.99	0.00	198.45	10.22	Sewerage Cess	10.87	19.85	29.77	29.77	39.69	39.69	39.69	0.00	0.00	0.00	0.00
	M3.4	Multi-utility ducting and shifting of utilities	71.65		0.00	0.00	0.00	24.91	24.91		0.00	21.84	0.00	71.65	0.30	Rent from Private Utilities	1.00	7.17	10.75	10.75	14.33	14.33	14.33	0.00	0.00	0.00	0.00
	M3.5	City Gas Distribution Network	49.32	CGD	49.32	0.00	49.32	0.00	0.00		0.00	0.00	0.00	49.32	0.00		0.00	0.00	0.00	0.00	0.00	22.20	27.13	0.00	0.00	0.00	0.00
	M3.6	Solid Waste Management	3.52	SBM	0.70	1.41	2.11	0.70	0.70		0.00	0.00	0.00	3.52	0.00		0.00	1.59	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M3.7	LED Street Lights on Unified poles with Multiple Facilities	54.60		0.00	0.00	0.00	11.23	11.23		0.00	32.14	0.00	54.60	2.73		0.00	5.46	8.19	8.19	10.92	10.92	10.92	0.00	0.00	0.00	0.00
		Total M3	627.37		209.82	97.45	307.28	129.07	129.07		0.00	61.96	0.00	627.37	18.05		33.60	40.98	61.04	104.23	123.93	146.13	151.06	0.00	0.00	0.00	0.00
4	M4	Mobility Module																									
	M4.1	Upgradation of Existing Road Network to Full Section Development	132.09		0.00	0.00	0.00	33.23	33.23	Jan Sahyog	1.54	64.09	0.00	132.09	2.79	Advertisement	0.20	13.21	19.81	19.81	26.42	26.42	26.42	0.00	0.00	0.00	0.00
	M4.2	ITS with Traffic Surveillance and Analytics	5.00		0.00	0.00	0.00	1.03	1.03		0.00	2.94	0.00	5.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	2.00
	M4.3	Pedestrian Only Zone at Bada	12.50		0.00	0.00	0.00	2.57	2.57		0.00	7.36	0.00	12.50	0.13		0.00	0.00	0.00	0.00	0.00	0.00	5.63	6.88	0.00	0.00	0.00
	M4.4	Smart Multilevel Car Parkings at 2 Locations	29.43		0.00	0.00	0.00	0.00	0.00	PPP	29.43	0.00	0.00	29.43	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	7.36	7.36	7.36
	M4.5	Development of BRT corridor	16.00		0.00	0.00	0.00	3.29	3.29	DUTF	4.80	4.62	0.00	16.00	0.32	Advertisement	0.30	0.00	0.00	0.00	0.00	0.00	2.40	3.20	3.20	3.20	4.00
	M4.6	Strengthening of Existing Bridges on Swarnarekha River	24.00		0.00	0.00	0.00	4.94	4.94		0.00	14.13	0.00	24.00	0.24		0.00	0.00	0.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	0.00
	M4.7	Parking Management - on street and other sites	10.00		0.00	0.00	0.00	2.06	2.06		0.00	5.89	0.00	10.00	0.00	Premium	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	5.50
	M4.8	e- Rickshaw as IPT	5.00	NEMM	0.60	0.00	0.60	1.03	1.03		0.00	2.34	0.00	5.00	0.00	Premium	0.02	0.00	0.00	0.00	0.00	0.50	0.75	0.75	1.00	1.00	1.00
	M4.9	Redevelopment of Amkho Bus Stand	5.00		0.00	0.00	0.00	1.03	1.03		0.00	2.94	0.00	5.00	0.05	Rent	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.50	1.50
	M4.10	Public Transport Components integrated with Pan City Proposal										0.00		0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total M4	239.02		0.60	0.00	0.60	49.17	49.17		35.77	104.31	0.00	239.02	3.52		0.69	13.21	19.81	25.81	32.42	38.54	42.44	12.31	13.56	19.56	21.36
5	M5	Recreation and Social Upgradation Module																									
	M5.1	Rejuvenation and Riverfront Development of Swarnerekha River including Aerators	40.34		0.00	0.00	0.00	9.16	9.16		0.00	22.01	0.00	40.34	1.21		0.00	0.00	0.00	0.00	4.03	8.07	8.07	10.09	10.09	0.00	0.00
	M5.2	Upgradation of Nehru Park, Ladies Park and Shivaji Park	18.40		0.00	0.00	0.00	3.79	3.79	GIDF	5.52	5.31	0.00	18.40	0.55		0.00	4.60	4.60	4.60	4.60	0.00	0.00	0.00	0.00	0.00	0.00
	M5.3	Upgradation of Play Grounds	41.63		0.00	0.00	0.00	8.57	8.57		0.00	24.50	0.00	41.63	0.83		0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.41	10.41	10.41	10.41
	M5.4	Automated Public Toilets with Water ATMs	3.20	SBM	2.66	0.00	2.66	0.00	0.00	CSR	0.54	0.00	0.00	3.20	0.10	User Charges	0.01	0.80	0.80	0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00
	M5.5	Digital Literacy Campaigns	1.00	Digital India	1.00	0.00	1.00	0.00	0.00		0.00	0.00	0.00	1.00	0.02		0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
	M5.6	Smart Class Rooms in Existing Schools	12.68	Digital India	0.08	0.00	0.08	2.61	2.61		0.00	7.38	0.00	12.68	0.00		0.00	0.00	0.00	0.00	0.00	0.00	2.54	2.54	2.54	2.54	2.54
	M5.7	Emergency Health Care Response System for Vulnerable	26.00		0.00	0.00	0.00	5.35	5.35		0.00	15.30	0.00	26.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	5.20	5.20	5.20	5.20	5.20
		Total M5	143.25		3.74	0.00	3.74	29.47	29.47		6.06	74.51	0.00	143.25	2.71		0.01	5.50	5.50	5.50	9.53	8.17	15.90	28.33	28.33	18.24	18.24
6	M6	Technology Module																									
	M6.1	Wi-Fi- Hotspots	8.00	Digital India	8.00	0.00	8.00	0.00	0.00		0.00	0.00	0.00	8.00	0.40		0.00	0.00	0.00	0.00	0.00	3.60	4.40	0.00	0.00	0.00	0.00
	M6.2	CCTV surveillance for the entire area	5.61		0.00	0.00	0.00	1.15	1.15		0.00	3.30	0.00	5.61	0.28		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	1.40
	M6.3	Air Quality Monitoring Sensors	0.25		0.00	0.00	0.00	0.05	0.05		0.00	0.15	0.00	0.25	0.01		0.00	0.00	0.00	0.00	0.00	0.09	0.10	0.00	0.00	0.00	0.00
	M6.4	Water Quality Monitoring Sensors	2.00	AMRUT	0.66	1.00	1.66	0.17	0.17		0.00	0.00	0.00	2.00	0.10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.10
	M6.5	GIS Mapping of Properties and Utilities - Data Visualization and Analytics	2.00	Digital India	2.00	0.00	2.00	0.00	0.00		0.00	0.00	0.00	2.00	0.02		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.70	0.70
	M6.6	Public Facilitation Centers	9.00		0.00	0.00	0.00	4.15	4.15		0.00	0.70	0.00	9.00	0.09		0.00	2.25	2.25	2.25	2.25	0.00	0.00	0.00	0.00	0.00	0.00
		Total M6	26.86		10.66	1.00	11.66	5.53	5.53		0.00	4.15	0.00	26.86	0.90		0.00	2.25	2.25	2.25	2.31	3.69	4.50	1.70	1.70	3.00	3.20

3.20-(B) FINANCIAL PLAN

(In Support to Questions No. 37,38 ,41 ,42)

PROJECT DESCRIPTION				MEANS OF FINANCE										O&M COST & FINANCE			PHASING OF INVESTMENTS									
				Convergence from other Schemes/Projects			Smart City		Other Sources						Means of Financing		Year 1		Year 2		Year 3		Year 4		Year 5	
SN	Module/ Project Code	Module/ Project Name	Total Capital Cost (₹ Crs.)	Scheme Name	Amount in ₹ Crs (GoI)	Amount in ₹ Crs (GoMP)	Total Amount (₹ Crs)	Grant Amount (₹ Crs)	Equity Amount (₹ Crs)	Source	Amount (₹ Crs)	Debt Amount (₹ Crs)	Internal Accruals Amount (Crs.)	Total Finance Amount (₹ Crs)	O&M Costs (₹ Crs)	Mode Name	O&M Finance Amount (₹ Crs)	H1 Amount (₹ Crs)	H2 Amount (₹ Crs)	H3 Amount (₹ Crs)	H4 Amount (₹ Crs)	H5 Amount (₹ Crs)	H6 Amount (₹ Crs)	H7 Amount (₹ Crs)	H8 Amount (₹ Crs)	H9 Amount (₹ Crs)	H10 Amount (₹ Crs)
7	M7	Economic Development Module																								
	M7.1	Skill development centers for Handloom and Handicraft Workers	11.25	Skill India	3.94	5.63	9.56	0.84	0.84		0.00	0.00	0.00	11.25	0.00		0.00	0.00	0.00	0.00	0.00	2.81	2.81	2.81	2.81	0.00	0.00
	M7.2	Incubation Centers for Startups	11.25	Start-up India AIM (AIC)	5.63	0.00	5.63	2.31	2.31		0.00	1.00	0.00	11.25	0.00		0.00	0.00	0.00	0.00	0.00	2.81	2.81	2.81	2.81	0.00	0.00
	M7.3	Redevelopment of Existing Mandi	7.27	NULM-SUSV	5.46	1.82	7.27	0.00	0.00		0.00	0.00	0.00	7.27	0.07		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	4.00
	M7.4	Market Improvement of other 3 Markets In Bada Area	53.22		0.00	0.00	0.00	17.91	17.91		0.00	17.39	0.00	53.22	0.53		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.95	29.27
	M7.5	Hawker's and Vending Zones with dedicated smart card for Hawkers	10.00	NULM-SUSV	7.50	2.50	10.00	0.00	0.00		0.00	0.00	0.00	10.00	0.20		0.00	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.00	0.00
	M7.6	Gwalior Habitat and Trade Center	9.43		0.00	0.00	0.00	0.00	0.00	PPP	9.43	0.00	0.00	9.43	0.00		0.00	0.00	0.00	0.00	0.00	2.36	2.36	2.36	2.36	0.00	0.00
	M7.7	Mixed use TOD Development on PPP																									
		Total M7	102.42		22.52	9.94	32.46	21.07	21.07		9.43	18.39	0.00	102.42	0.80		0.00	0.00	0.00	0.00	0.00	10.48	10.48	10.48	10.48	27.22	33.27
8	M8	Sustainability Module																									
	M8.1	Solar Panels on Roof Tops of Public Buildings facilities	151.92	MNRE	50.13	0.00	50.13	31.77	31.77		0.00	38.25	0.00	151.92	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.98	37.98	37.98	37.98
	M8.2	Rain Water Harvesting System	2.50		0.00	0.00	0.00	0.00	0.00	GIDF	2.50	0.00	0.00	2.50	0.08		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.63
	M8.3	Fire Hydrant Network with Pumps and Water Storage	22.33		0.00	0.00	0.00	4.59	4.59		0.00	13.14	0.00	22.33	0.89		0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.58	5.58	5.58	5.58
	M8.4	Disaster Management Center	3.00		0.00	0.00	0.00	0.62	0.62		0.00	1.77	0.00	3.00	0.12		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.75	0.75	0.75
	M8.5	Computer Aided Dispatch (CAD) & AVL of Emergency and Police Vehicles - Hardware & Software	3.00		0.00	0.00	0.00	0.62	0.62		0.00	1.77	0.00	3.00	0.12		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.65
		Total M8	182.75		50.13	0.00	50.13	37.60	37.60		2.50	54.92	0.00	182.75	1.21		0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.94	44.94	46.29	46.59
		Total ABD	1916.29		363.16	173.69	536.85	394.23	394.23		116.40	474.59	0.00	1916.29	34.21		37.27	98.56	130.62	196.49	227.09	281.14	309.33	142.85	158.84	174.14	197.24
II	PAN CITY PROPOSAL																										
9	M9	Command and Control Center with Communication Network																									
	M9.1	Multipurpose Backbone Communication Infrastructure (OFC)	60.00		0.00	0.00	0.00	20.11	20.11		0.00	19.78	0.00	60.00	0.60	Rent from Network User	2.00	12.00	12.00	12.00	12.00	12.00	0.00	0.00	0.00	0.00	0.00
	M9.2	Command and Control Center	30.00	Digital India - E-Kranti	4.50	0.00	4.50	6.17	6.17		0.00	13.16	0.00	30.00	0.30		0.00	0.00	0.00	0.00	0.00	7.50	7.50	7.50	7.50	0.00	0.00
	M9.3	City Dash Board	2.00	Digital India - E-Kranti	1.00	0.00	1.00	0.41	0.41		0.00	0.18	0.00	2.00	0.02	Advertisement	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.10
	M9.4	One City One App	5.00	Digital India - E-Kranti	2.50	0.00	2.50	1.03	1.03		0.00	0.44	0.00	5.00	0.05		0.00	2.25	2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total M9	97.00		8.00	0.00	8.00	27.72	27.72		0.00	33.56	0.00	97.00	0.97		2.50	14.25	14.75	12.00	12.00	19.50	7.50	7.50	7.50	0.90	1.10
10	M10	Urban Transit Module																									
	M10.1	Transit Infrastructure	24.00		0.00	0.00	0.00	4.94	4.94	CIDF	2.00	12.13	0.00	24.00	1.12	Advertisement	1.50	6.00	6.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
	M10.2	Rolling Stock	127.40	AMRUT, NEMM	18.55	27.50	46.05	28.27	28.27	CIDF	2.00	22.82	0.00	127.40	0.00	Premium from bus operator	5.54	31.85	31.85	31.85	31.85	0.00	0.00	0.00	0.00	0.00	0.00
	M10.3	ICT Components	26.00		0.00	0.00	0.00	5.35	5.35		0.00	15.30	0.00	26.00	0.26	Advertisement	0.50	6.50	6.50	6.50	6.50	0.00	0.00	0.00	0.00	0.00	0.00
	M10.4	Parking Management	10.00		0.00	0.00	0.00	0.00	0.00	PPP	10.00	0.00	0.00	10.00	0.10		0.00	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.00	0.00
		Total M10	187.40		18.55	27.50	46.05	38.55	38.55		14.00	50.24	0.00	187.40	1.48		7.54	44.35	44.35	44.35	44.35	2.50	2.50	2.50	2.50	0.00	0.00
11	M11	Solid Waste Management Module																									
	M11.1	Collection and Transportation Infrastructure	30.87	SBM & ICWM GoMP	6.17	21.61	27.79	1.54	1.54		0.00	0.00	0.00	30.87	0.00		0.00	13.89	16.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M11.2	GIS Based Asset Management	10.50	SBM & ICWM GoMP	2.10	7.35	9.45	0.53	0.53		0.00	0.00	0.00	10.50	0.00		0.00	4.73	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M11.3	Street Sweeping Machines	4.50	SBM & ICWM GoMP	0.90	3.15	4.05	0.22	0.22		0.00	0.00	0.00	4.50	0.00		0.00	0.00	0.00	2.03	2.48	0.00	0.00	0.00	0.00	0.00	0.00
	M11.4	IEC Campaign for Citizens	2.00	SBM & ICWM GoMP	0.40	1.40	1.80	0.10	0.10		0.00	0.00	0.00	2.00	0.02		0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	M11.5	Capacity Building Programmes	2.00	SBM & ICWM GoMP	0.40	1.40	1.80	0.10	0.10		0.00	0.00	0.00	2.00	0.02		0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		Total M11	49.87		9.97	34.91	44.89	2.49	2.49		0.00	0.00	0.00	49.87	0.04		0.00	19.02	23.16	2.43	2.88	0.40	0.40	0.40	0.40	0.40	0.40
		Total Pan City	334.27		36.52	62.41	98.94	68.77	68.77		14.00	83.80	0.00	334.27	2.49		10.04	77.62	82.26	58.78	59.23	22.40	10.40	10.40	10.40	1.30	1.50
		Total ABD + Pan City	2250.57		399.68	236.10	635.78	463.00	463.00		130.40	558.39	0.00	2250.57	36.70		47.31	176.18	212.87	255.26	286.31	303.54	319.73	153.25	169.24	175.44	198.74
■		DPR Preparation and PMC Cost @ of 5% of the Project Cost	50.00					25.00	25.00					50.00													
		Grand Total Smart City Proposal for Gwalior	2300.57		399.68	236.10	635.78	488.00	488.00		130.40	558.39	88.50	2300.57	36.70												
		Interest During Construction/Moratorium Period	102.50									14.00		14.00													
		Grant Total Capital Cost	2403.07		399.68	236.10	635.78	488.00	488.00		130.40	572.39	88.50	2403.07	36.70												

NOTE:

- THE PAYBACK OF DEBT OF **INR 572.4 CRS.** HAS BEEN PROPOSED TO BE DONE FROM REVENUE GENERATED IN MONETIZATION OF LAND THROUGH MIXED USE TOD DEVELOPMENT
  - SUCH REVENUE IS FORECASTED TO BE **RS 5,161.2 CRORE** (PRESENT VALUE OF **INR 2,169.8 CRORE** AT A RATE OF 8.2%, I.E. AVERAGE COST OF FUNDS)
  - SUCH REVENUE WILL ALSO ENSURE ACCRUAL OF **RS1022.8 CRS** AS FREE CASH FLOW FOR EQUITY FROM YEAR 5 TO YEAR 10 OF SCP IMPLEMENTATION WHICH IS PROPOSED TO BE USED AS SEED CAPITAL FOR FUTURE REPLICABLE ABD AND PAN CITY PROPOSALS.
- REFER DETAILED COST ESTIMATES AND FINANCIAL MODEL PRESENTED IN ANNEXURE 4.5

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Resolution of Corporation approving the Smart City Plan including the financial Plan
(In support to 3.1)

कार्यालय महापौर

नगर पालिक निगम, ग्वालियर

मेयर–इन–काउंसिल

विषय :– स्मार्ट सिटी चैलेंज प्रतिस्पर्धा के फेज–2 बावत्।

संकल्प क्रमांक 359 दिनांक 21-06-2016

संकल्प

स्मार्ट सिटी चैलेंज प्रतिस्पर्धा के फेज–2 के सम्बन्ध में निगमायुक्त का प्रतिवेदन क्रमांक 132/16/3/3/15575 दिनांक 20.06.2016 प्रस्तुत हुआ, जिसके अनुसार नगर निगम, ग्वालियर द्वारा स्मार्ट सिटी प्रतिस्पर्धा के फेज–1 हेतु निगम परिषद के ठहराव क्रमांक 53 दिनांक 14.12.2015 की स्वीकृति से स्मार्ट सिटी प्रस्ताव को राज्य शासन के माध्यम से केन्द्र शासन को निर्धारित तिथि दिनांक 15.12.2015 में प्रेषित किया गया था। शहरी विकास मंत्रालय भारत सरकार द्वारा आयोजित स्मार्ट सिटी प्रतिस्पर्धा के प्रथम फेज में 100 नगरों की प्रतिस्पर्धा में ग्वालियर नगर को 22वां स्थान प्राप्त हुआ था, जबकि प्रथम फेज में 20 नगरों का चयन किया गया था! केन्द्र शासन को पुनः स्मार्ट सिटी प्रतिस्पर्धा फेज–2 अन्तर्गत दिनांक 30.06.2016 तक प्रस्ताव राज्य शासन के माध्यम से प्रेषित किया जाना है। पुनः संशोधित प्रस्ताव तैयार कर राज्य शासन को प्रस्तुत किया गया था। राज्य स्तर पर मुख्य सचिव महोदय की अध्यक्षता में गठित हाइपावर कमेटी द्वारा ग्वालियर के प्रस्ताव को केन्द्र को प्रेषित किये जाने की स्वीकृति प्रदान की गई। केन्द्र शासन द्वारा फेज–2 हेतु प्रस्तुत किये जाने वाले प्रस्ताव व पूर्व में एस.पी.व्ही हेतु परिषद द्वारा प्रदत्त स्वीकृति को यथावत रखने की पुनः स्वीकृति परिषद से ली जाने की अपेक्षा की है।

भारत सरकार द्वारा स्मार्ट सिटी प्रतिस्पर्धा हेतु जारी दिशा निर्देशों के अन्तर्गत फेज–2 हेतु तैयार प्रस्ताव को राज्य शासन के माध्यम से केन्द्र शासन को प्रेषित किये जाने की सक्षम स्वीकृति एवं एस.पी.व्ही. गठन की पूर्व स्वीकृति को यथावत रखने की स्वीकृति हेतु प्रस्ताव प्रस्तुत हुआ।

अतः विचारोपरान्त सर्व सम्मति से, निगमायुक्त का उक्त प्रतिवेदन अनुशंसा के साथ सक्षम स्वीकृति हेतु निगम परिषद की ओर अग्रेषित किया जाता है।

V.N. Shejwalkar

(विवेक नारायण शेजवलकर)
चेयरमैन
मेयर–इन–काउंसिल,
नगर निगम, ग्वालियर

Resolution of Parishad for setting up of SPV
(In support to 3.2)

कार्यालय परिषद

नगर पालिक निगम, ग्वालियर

विषय :– स्मार्ट सिटी परियोजना हेतु भारत सरकार शहरी विकास मंत्रालय को राज्य शासन के माध्यम से द्वितीय चरण की प्रतिस्पर्धा हेतु प्रस्ताव प्रेषित किया जाना तथा स्मार्ट सिटी के परियोजना के क्रियान्वयन के लिये Special Purpose Vehicle (SPV) के गठन की स्वीकृति।

ठहराव क्रमांक 53 दिनांक 14-12-2015

ठहराव

स्मार्ट सिटी परियोजना हेतु भारत सरकार शहरी विकास मंत्रालय को राज्य शासन के माध्यम से द्वितीय चरण की प्रतिस्पर्धा हेतु प्रस्ताव प्रेषित किया जाना तथा स्मार्ट सिटी के परियोजना के क्रियान्वयन के लिये Special Purpose Vehicle (SPV) के गठन की स्वीकृति के सम्बन्ध में निगमायुक्त के प्रतिवदन क्रमांक 133/15/3/3/एस.सी.पी./23525 दिनांक 09.12.2015, क्रमांक 133/15/3/3/एस.सी.पी./23526 दिनांक 09.12.2015 एवं क्रमांक 133/15/3/3/एस.सी.पी. दिनांक 11.12.2015 प्रस्तुत हुए।

शहरी विकास मंत्रालय भारत सरकार द्वारा राज्य स्तरीय उच्च स्तरीय समिति की अनुशंसा के आधार पर ग्वालियर नगर को स्मार्ट सिटी परियोजना के प्रथम चरण में चयनित किया गया है, जिसके सम्बन्ध में परिषद द्वारा ठहराव क्रमांक 34 दिनांक 09.07.2015 पारित किया गया था।

स्मार्ट सिटी परियोजना के प्रतिस्पर्धा के द्वितीय चरण हेतु आयुक्त द्वारा विस्तृत स्मार्ट सिटी परियोजना के वित्तीय प्रावधानों को सम्मिलित करते हुए प्रस्ताव तथा Special Purpose Vehicle (SPV) के गठन का प्रस्ताव परिषद के समक्ष प्रस्तुत किया गया तथा स्मार्ट सिटी के सम्बन्ध में भारत सरकार के दिशा निर्देशों एवं SPV के गठन के सम्बन्ध में प्रावधानों से अवगत कराया गया। प्रस्ताव पर विस्तार से चर्चा की गई है।

विचारोपरान्त सर्व सम्मति से, स्मार्ट सिटी परियोजना के द्वितीय चरण हेतु निगमायुक्त द्वारा स्मार्ट सिटी परियोजना के वित्तीय प्रावधानों को सम्मिलित करते हुए प्रस्तुत प्रस्ताव को भारत सरकार को प्रेषित किये जाने तथा भारत सरकार के दिशा–निर्देशों के अनुरूप योजना के क्रियान्वयन हेतु Special Purpose Vehicle (SPV) के गठन की स्वीकृति प्रदान की जाती है।

14-12-15

(राकेश माहौर)
अध्यक्ष
नगर निगम, ग्वालियर

कार्यालय परिषद

नगर पालिक निगम, ग्वालियर

विषय :– स्मार्ट सिटी चेलेन्ज प्रतिस्पर्धा के फेज–2 बावत्।

Resolution of Parishad for continuing the SPV
(In support to 3.2)

ठहराव क्रमांक 73 दिनांक 25-06-2016

ठहराव

स्मार्ट सिटी चेलेन्ज प्रतिस्पर्धा के फेज–2 के सम्बन्ध में निगमायुक्त का प्रतिवेदन क्र. 132/16/3/3/15575 दिनांक 20.06.2016 एवं मेयर–इन–काउंसिल द्वारा अनुशंसित संकल्प क्रमांक 358 दिनांक 21.06.2016 प्रस्तुत हुआ, जिसके अनुसार नगर निगम, ग्वालियर द्वारा स्मार्ट सिटी प्रतिस्पर्धा के फेज–1 हेतु निगम परिषद का ठहराव क्रमांक 53 दिनांक 14.12.2015 की स्वीकृति से स्मार्ट सिटी प्रस्ताव को राज्य शासन के माध्यम से केन्द्र शासन को निर्धारित तिथि दिनांक 15.12.2015 को प्रेषित किया गया था। शहरी विकास मंत्रालय भारत सरकार द्वारा आयोजित स्मार्ट सिटी प्रतिस्पर्धा के प्रथम फेज में 100 नगरों की प्रतिस्पर्धा में ग्वालियर नगर को 22वां स्थान प्राप्त हुआ था, जबकि प्रथम फेज में 20 नगरों का चयन किया गया था। केन्द्र शासन को पुनः स्मार्ट सिटी प्रतिस्पर्धा फेज–2 अन्तर्गत दिनांक 30.06.2016 तक प्रस्ताव राज्य शासन के माध्यम से प्रेषित किया जाना है। पुनः संशोधित प्रस्ताव महाराज बाड़ा क्षेत्र के रेट्रो फिटिंग मॉडल अन्तर्गत तैयार कर राज्य शासन को प्रस्तुत किया गया था। राज्य स्तर पर मुख्य सचिव महोदय को अध्यक्षता में गठित हाइपावर कमेटी द्वारा ग्वालियर के प्रस्ताव को केन्द्र को प्रेषित किये जाने की स्वीकृति प्रदान की गई। केन्द्र शासन द्वारा फेज–2 हेतु प्रस्तुत किये जाने वाले प्रस्ताव व पूर्व में एस.पी.व्ही हेतु परिषद द्वारा प्रदत्त स्वीकृति को यथावत रखने की पुनः स्वीकृति परिषद से ली जाने की अपेक्षा की है।

भारत सरकार द्वारा स्मार्ट सिटी प्रतिस्पर्धा हेतु जारी दिशा निर्देशों के अन्तर्गत फेज–2 हेतु तैयार प्रस्ताव को राज्य शासन के माध्यम से केन्द्र शासन को प्रेषित किये जाने की सक्षम स्वीकृति एवं एस.पी.व्ही. गठन की पूर्व स्वीकृति को यथावत रखने की स्वीकृति हेतु प्रस्ताव प्रस्तुत हुआ।

अतः मेयर–इन–काउंसिल द्वारा अग्रेषित संकल्प क्रमांक 358 दिनांक 21.06.2016 एवं निगमायुक्त के प्रस्ताव अनुसार भारत सरकार द्वारा स्मार्ट सिटी प्रतिस्पर्धा हेतु जारी दिशा निर्देशों के अन्तर्गत फेज–2 हेतु तैयार प्रस्ताव को राज्य शासन के माध्यम से केन्द्र शासन को प्रेषित किये जाने की सक्षम स्वीकृति, द्वितीय चरण हेतु स्मार्ट सिटी परियोजना के वित्तीय प्रावधानों को सम्मिलित करने एवं एस.पी.व्ही. गठन की पूर्व स्वीकृति को यथावत रखने की स्वीकृति के पक्ष में 44 पार्षदों का समर्थन होने से बहुमत के आधार पर स्वीकृति प्रदान की जाती है।

(राकेश माहौर)

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)

SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I		**Area Based Development**												
1	M1	**Heritage and Culture Module**												
	M1.1	**Creating - "Brand Gwalior"**				50.00		0.00	0.00	0.00	10.29	10.29	CSR	5.18
	M1.2	**Revitalizing Maharaj Bada**				120.00	Ministry of Culture (GoI), Museum Grant Scheme	10.00	10.00	20.00	29.83	29.83	PPP	0.00
	1	**Historical Conservation and Adaptive Reuse of Heritage Buildings**												
	i	Government Press Building as Classical Movie Theatre		LS		25.00								
	ii	Gorkhi Palaca and School Shifting		LS		25.00	Ministry of Culture (GoI), Museum Grant Scheme	10.00	10.00	20.00				
	iii	Victoria Market as Museum of Music (Extension of Sarod Ghar)		LS		15.00								
	iv	Town Hall as Repertory (Rang Manch)		LS		15.00								
	v	Scout Guide Center as Tourist Interpretation Center		LS		5.00								
	vi	After School Hrs Use of Gajra raja School, Nobel School and MLB College		LS		5.00								
	2	**Façade Restoration of Other Buildings**												
	i	SBI Building		LS		5.00								
	ii	SBI ATM Group Building		LS		5.00								
	iii	Post Office Building		LS		5.00								
	iv	Dutt Mandir and Hanuman Mandir		LS		5.00								
	v	Gajraja School		LS		5.00								
	vi	SP Office Building		LS		5.00								
	M1.3	**Heritage Hotel on PPP at Maharaj Bada**				25.00		0.00	0.00	0.00	0.00	0.00	PPP	25.00
	M1.4	**Up gradation of Central Library as Digital Library including Façade Restoration**				2.00		0.00	0.00	0.00	0.41	0.41		
	M1.5	**Heritage Network Trail**				20.75	NEMM	0.40	0.00	0.40	4.27	4.27	CSR	0.25
	i	Façade Treatment and Control of Markets and select buildings		LS		20.00								
	ii	15 sweater open to air E- Vehicle for the trip		LS		0.50	NEMM	0.40		0.40				
	iii	Facilities like Toilet, Drinking Water fountains		LS		0.25							CSR	0.25
	M1.6	**Place Making on Raj Path**				1.00		0.00	0.00	0.00	0.00	0.00	PPP	1.00
	M1.7	**Public Art including smart street signages and interactive public dashboards**				25.00		0.00	0.00	0.00	5.14	5.14	CSR	3.21
	M1.8	**Tourist Facility Center - 2 Nos.**				1.00		0.00	0.00	0.00	0.41	0.41		0.00
	M1.9	**Katora Tal Tank Development including Water Show**				2.00		0.00	0.00	0.00	0.41	0.41		0.00
		Total - M1				246.75		10.40	10.00	20.40	50.76	50.76		34.64

Cost-1

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)														
SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹ Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	M2	**Housing Module**												
	M2.1	**Development of 3686 Affordable Housing Unit on PPP under PMAY**				294.88	PMAY	55.29	55.29	110.58	62.31	62.31	Ashray Nidhi	20.00
	M2.2	**Affordable Housing as a Residential Component of Mixed Use TOD Development in AHP - 1493 Units**									0.00	0.00		
	1	Affordable Housing as Residential Component of Mixed Use TOD in AHP PMAY (533 Units)	31986	Sqm						0.00				
	2	Residential Component for PPP Partner - for revenue realization (960 Units)	95959	Sqm						0.00				
	M2.3	**Housing Component in Gwalior Habitat and Trade Center - 1984 Units**									0.00	0.00		
	1	Gwalior Habitat and Trade Center - Residential - Affordable Housing (709 Units)	42514.88	Sqm						0.00				
	2	Gwalior Habitat and Trade Center - Residential - Revenue Realization (1275 Units)	127544.63	Sqm						0.00				
	M2.4	**Development of Rental Housing for Floating Population (600 Units)**				45.00		0.00	0.00	0.00	9.26	9.26		0.00
	M2.5	**Development of Night shelters with basic amenities**				1.00		0.00	0.00	0.00	0.00	0.00	CSR	1.00
	M2.6	**Residential Care Homes**				3.00		0.00	0.00	0.00	0.00	0.00	CSR	3.00
	M2.7	**Hostels for Working Women**				4.00		0.00	0.00	0.00	0.00	0.00	CSR	4.00
		Total M2				347.88		55.29	55.29	110.58	71.57	71.57		28.00

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)

SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	M3	**Infrastructure Module**												
	M3.1	**24X7 Water Supply**				69.28	AMRUT	20.84	31.58	52.42	8.43	8.43		0.00
	1	Elevated Service Reservoirs												
	i	Potable Water of 3400 KL	1	Nos	34000000	3.40	AMRUT	1.12	1.70	2.82				
	ii	Recycled Water of 2250 KL	2	Nos	22500000	4.50	AMRUT	1.49	2.25	3.74				
	2	Feeder Mains and Distribution Network												
	i	Feeder Mains for Potable Water ESRs	0.70	Kms	17000000	1.19	AMRUT	0.39	0.60	0.99				
	ii	Feeder Mains for Recycled Water ESRs	1.50	Kms	17000000	2.55	AMRUT	0.84	1.28	2.12				
	3	Refurbishment of existing and Development of new Distribution Network (Dual Piping - Potable and Recycled)	164.42	Kms	2000000	32.88	AMRUT	10.85	16.44	27.29				
	4	SCADA Sensor enabled Flow Meters	50	Nos	500000	2.50								
	5	SCADA enabled Level Sensor system	12	Nos	100000	0.12								
	6	Geo-Thermal Imaging Leak detectors	50	Nos	100000	0.50								
	7	Smart Consumer Water Meters	28672	Nos	6500	18.64	AMRUT	6.15	9.32	15.47				
	8	Softwares for Area Command and Control Center		LS		3.00								
	M3.2	**24X7 Power Supply**				180.53	IPDS	108.32	18.05	126.37	27.08	27.08		0.00
	1	Strengthening of Sub Transmission and Distribution Network including ICT		LS		60.00	IPDS	36.00	6.00	42.00				
	2	Smart Consumer Metering	28672	Nos	10000	28.67	IPDS	17.20	2.87	20.07				
	3	Shifting of Overhead Power Cables incl DPs in Utility Duct	9.65	Kms	20000000	19.30	IPDS	11.58	1.93	13.51				
	4	Shifting of Overhead Power Cables incl DPs in Other local Streets and Pedestrian Streets	72.56	Kms	10000000	72.56	IPDS	43.54	7.26	50.79				
	M3.3	**Waste Water Management System including DEWATS**				198.45	AMRUT	30.63	46.41	77.04	56.71	56.71		0.00
	1	Revamping existing Network and laying of new sewerage network	123.31	Kms	8000000	98.65	AMRUT	16.28	24.66	40.94				
	2	Sewerage Primary Network for DEWATS	5	KMs	15000000	7.50	AMRUT	2.48	3.75	6.23				
	3	Decentralised Waste Water Treatment Plant of 6 MLD Each	3	Nos	120000000	36.00	AMRUT	11.88	18.00	29.88				
	4	Underground Primary Storm Water Drainage Network	7.11	Kms	12000000	8.53								
	5	Underground Secondary Storm Water Drainage Network	13.57	KMs	8000000	10.85								
	6	Underground Tertiary Storm Water Drainage Network	92.29	KMs	4000000	36.92								
	M3.4	**Multi-utility ducting and shifting of utilities**				71.65		0.00	0.00	0.00	24.91	24.91		0.00
	1	Underground Utilities duct on Major Roads	9.65	Kms	30000000	28.94								
	2	Underground Utilities duct on Other Roads and Pedestrian Paths	72.56	Kms	5000000	36.28								
	3	Shifting of Overhead Communication lines incl DPs in Utility Duct	9.65	Kms	1400000	1.35								
	4	Shifting of Overhead Communication lines incl DPs in Other local Streets and Pedestrian Streets	72.56	Kms	700000	5.08								

Cost-3

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)														
SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	M3.5	**City Gas Distribution Network**				**49.32**	**CGD**	**49.32**	**0.00**	**49.32**	**0.00**	**0.00**		**0.00**
	1	Laying of underground Gas Line on Major Roads	9.65	Kms	6000000	5.79	CGD	5.79		5.79				
	2	Laying of underground Gas Line on Other Roads and Pedestrian Paths	72.56	Kms	6000000	43.54	CGD	43.54		43.54				
	M3.6	**Solid Waste Management**				**3.52**	**SBM**	**0.70**	**1.41**	**2.11**	**0.70**	**0.70**		**0.00**
	1	HH Storage Bins	28672.00	Nos	500	1.43	SBM	0.29	0.57	0.86				
	2	Secondary Collection Pont Storage Dustbins (4*1.1CUM)	7.00	Nos	72000	0.05	SBM	0.01	0.02	0.03				
	3	Primary Transport Vehicles Cycle Rickshaws	60.00	Nos	20000	0.12	SBM	0.02	0.05	0.07				
	4	Primary Transport Vehicles Auto	12.00	Nos	400000	0.48	SBM	0.10	0.19	0.29				
	5	Secondary Transportation of Organic Waste AUTOs	6.00	Nos	400000	0.24	SBM	0.05	0.10	0.14				
	6	Bio-Digesters of 10 MTD Each for Mandi and Vegetable Market	2.00	Nos	6000000	1.20	SBM	0.24	0.48	0.72				
	7	Other Components - Integration with Pan City Proposal												
	M3.7	**LED Street Lights on Unified poles with Multiple Facilities**				**54.60**		**0.00**	**0.00**	**0.00**	**11.23**	**11.23**		**0.00**
	1	LED Street Lighting on Major Roads on Unified Pole	20.68	Kms	7000000	14.48								
	2	LED Street Lighting on Other Local Streets and Pedestrian Paths on Unified Pole	61.53	Kms	4900000	30.15								
	3	LED Lighting of Public Open Spaces on Unified Pole	#REF!	Sqm	400	6.42								
	4	Pedestrian/NMT/Façade lighting on Unified Pole	82.21	Nos	100000	0.82								
	5	Digital Variable Messaging System (VMS) system on Unified Pole	82.21	Nos	200000	1.64								
	6	PA system on unified pole	27	Nos	100000	0.27								
	7	Variable sensors for pedestrian/ traffic count, whether monitoring etc on Unified Pole	27	Nos	300000	0.82								
		Total M3				**627.37**		**209.82**	**97.45**	**307.28**	**129.07**	**129.07**		**0.00**

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)

SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance						
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	M4	**Mobility Module**												
	M4.1	**Upgradation of Existing Road Network to Full Section Development including Footpath and Cycle Track a as per street design guidelines**				132.09		0.00	0.00	0.00	33.23	33.23	Jan Sahyog	1.54
	1	**Road Development as per Street Design Guidelines** (including Road Marking and Signages)												
	i	40m wide Road	0.83	KMs	50000000	4.17								
	ii	30m Wide Road	6.28	KMs	20000000	12.56								
	iii	24m wide Road	2.54	KMs	12500000	3.17								
	iv	18m Wide Road	11.03	KMs	9000000	9.93								
	v	Other Local Streets	61.53	KMs	5000000	30.76							Jan Sahyog	1.54
	2	**Vehicular Intersection Improvement as per Street Design Guidelines**												
	i	Major Junctions	12	Nos	15000000	18.00								
	ii	Minor Junctions	27	Nos	10000000	27.00								
	3	**Signalisation with Area Based Traffic Co-ordination & Control (ATCCS)**												
	i	Major Junction	7	Nos	15000000	10.50								
	ii	Minor Junctions	4	Nos	10000000	4.00								
	4	Mid Block Pedestrian Junctions	12	Nos	10000000	12.00								
	M4.2	**ITS with Traffic Surveillance and Analytics**				5.00		0.00	0.00	0.00	1.03	1.03		0.00
	M4.3	**Pedestrian Only Zone at Bada**				12.50		0.00	0.00	0.00	2.57	2.57		0.00
	M4.4	**Smart Multilevel Car Parkings at 2 Locations**				29.43		0.00	0.00	0.00	0.00	0.00	PPP	29.43
	M4.5	**Development of BRT corridor**				16.00		0.00	0.00	0.00	3.29	3.29	DUTF	4.80
	M4.6	**Strengthening of Existing Bridges on Swarnarekha River**				24.00		0.00	0.00	0.00	4.94	4.94		0.00
	M4.7	**Parking Management - on street and other sites**				10.00		0.00	0.00	0.00	2.06	2.06		0.00
	M4.8	**e- Rickshaw as IPT**				5.00	NEMM	0.60	0.00	0.60	1.03	1.03		0.00
	M4.9	**Redevelopment of Amkho Bus Stand**				5.00		0.00	0.00	0.00	1.03	1.03		0.00
	M4.10	**Public Transport Components integrated with Pan City Proposal**												
		Total M4				239.02		0.60	0.00	0.60	49.17	49.17		35.77

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)														
SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	M5	Recreation and Social Upgradation Module												
	M5.1	Rejuvenation and Riverfront Development of Swarnerekha River including Aerators				40.34		0.00	0.00	0.00	9.16	9.16		0.00
	M5.2	Upgradation of Nehru Park, Ladies Park and Shivaji Park				18.40		0.00	0.00	0.00	3.79	3.79	GIDF	5.52
	M5.3	Upgradation of Play Grounds				41.63		0.00	0.00	0.00	8.57	8.57		0.00
	M5.4	Automated Public Toilets with Water ATMs				3.20	SBM	2.66	0.00	2.66	0.00	0.00	CSR	0.54
	M5.5	Digital Literacy Campaigns				1.00	Digital India	1.00	0.00	1.00	0.00	0.00		0.00
	M5.6	Smart Class Rooms in Existing Schools				12.68	Digital India	0.08	0.00	0.08	2.61	2.61		0.00
	1	Smart Classrooms in Schools	22	Nos	5000000	11.00								
	2	Wifi hotspots for Schools	8	Nos	100000	0.08	Digital India	0.08		0.08				
	3	Smart Facilities for Schools	8	Nos	2000000	1.60								
	M5.7	Smart Health Care Facility Emergency Health Care Response System for Vulnerable				26.00		0.00	0.00	0.00	5.35	5.35		0.00
	1	Emergency Response System for vulnerable		LS		5.00								
	2	Smart Health Care Facilities in Existing Hospital	21	Nos	10000000	21.00								
		Total M5				143.25		3.74	0.00	3.74	29.47	29.47		6.06
6	M6	Technology Module												
	M6.1	Wi-Fi- Hotspots				8.00	Digital India	8.00	0.00	8.00	0.00	0.00		0.00
	M6.2	CCTV surveillance for the entire area				5.61		0.00	0.00	0.00	1.15	1.15		0.00
	1	Installation of CCTV night Vision cameras with control Cables in Public Open spaces on Unified Pole	#REF!	Nos	100000	3.21								
	2	Installation of CCTV night Vision cameras in on Roads and Streets not covered under ITS on Unified Pole	240	Nos	100000	2.40								
	M6.3	Air Quality Monitoring Sensors				0.25		0.00	0.00	0.00	0.05	0.05		0.00
	M6.4	Water Quality Monitoring Sensors				2.00	AMRUT	0.66	1.00	1.66	0.17	0.17		0.00
	M6.5	GIS Mapping of Properties and Utilities - Data Visualization and Analytics				2.00	Digital India	2.00	0.00	2.00	0.00	0.00		0.00
	M6.6	Public Facilitation Centers				9.00		0.00	0.00	0.00	4.15	4.15		0.00
		Total M6				26.86		10.66	1.00	11.66	5.53	5.53		0.00

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)														
SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	M7	Economic Development Module												
	M7.1	Development of Skill development centers for Handloom and Handicraft Workers				11.25	Skill India	3.94	5.63	9.56	0.84	0.84		0.00
	M7.2	Incubation Centers for Startups				11.25	Start-up India AIM (AIC)	5.63	0.00	5.63	2.31	2.31		0.00
	M7.3	Redevelopment of Existing Mandi				7.27	NULM-SUSV	5.46	1.82	7.27	0.00	0.00		0.00
	M7.4	Market Improvement of other 3 Markets in Bada Area				53.22		0.00	0.00	0.00	17.91	17.91		0.00
	1	Redevelopment of Existing Markets - 3 Nos												
	i	Nazarbagh and Subhash Market as Urban Haat and Night Markets with street Restraints	9695.1	Sqm	25000	24.24								
	ii	Daulatganj Market	4630.8	Sqm	25000	11.58								
	iii	Huzrat Market	6961.5	Sqm	25000	17.40								
	M7.5	Hawker's and Vending Zones with dedicated smart card for Hawkers				10.00	NULM-SUSV	7.50	2.50	10.00	0.00	0.00		0.00
	M7.6	Gwalior Habitat and Trade Center				9.43		0.00	0.00	0.00	0.00	0.00	PPP	9.43
	1	Gwalior Habitat and Trade Center												
	i	Infrastructure Development	125689	Sqm	750	9.43							PPP	9.43
	ii	Mixed use TOD Development on PPP - Retail for Revenue Realization	34012	Sqm										
	iii	Mixed use TOD Development on PPP - Commercial for Revenue Realization	136048	Sqm										
	M7.7	Mixed use TOD Development on PPP												
	1	Commercial and Retail Components for Revenue Realisation in Slum Housing Area												
	i	Slum Housing Area - Retail component for Revenue Realisation	25589	Sqm										
	ii	Slum Housing Area - Commercial component for Revenue Realisation	102356	Sqm										
	8	Mixed Use TOD Development on Private Land - for Premium on FAR	534185	Sq.M.						0.00				
		Total M7				102.42		22.52	9.94	32.46	21.07	21.07		9.43

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)

SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance						
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	M8	**Sustainability Module**												
	M8.1	**Solar Panels on Roof Tops of Public Buildings facilities**				151.92	MNRE	50.13	0.00	50.13	31.77	31.77		0.00
	1	Solar Power Terrace Installations on Redevelopment Buildings	65608.41	Sqm	20000	131.22	MNRE	43.30		43.30				
	2	Solar Panels on Street Lights	2000.00	Nos.	3500	0.70	MNRE	0.23		0.23				
	3	Solar Power Terrace Installations on other government buildings	10000.00	Sqm	20000	20.00	MNRE	6.60		6.60				
	M8.2	**Rain Water Harvesting System**				2.50		0.00	0.00	0.00	0.00	0.00	GIDF	2.50
	M8.3	**Fire Hydrant Network with Pumps and Water Storage**				22.33		0.00	0.00	0.00	4.59	4.59		0.00
	1	Water Storage for Fire Fighting	1000	KL	100000	10.00								
	2	Fire Hydrants Network with Pumps	82.21	Kms	1500000	12.33								
	M8.4	**Disaster Management Center**				3.00		0.00	0.00	0.00	0.62	0.62		0.00
	M8.5	**Computer Aided Dispatch (CAD) & AVL of Emergency and Police Vehicles**				3.00		0.00	0.00	0.00	0.62	0.62		0.00
		Total M8				182.75		50.13	0.00	50.13	37.60	37.60		2.50
		Total ABD				1916.29		363.16	173.69	536.85	394.23	394.23		116.40
		Pan City Proposal												
9	M9	**Intelligent Operations Control Units (IOCU)**												
	M9.1	**Multipurpose Backbone Communication Infrastructure**				60.00		0.00	0.00	0.00	20.11	20.11		0.00
	1	Laying of multi-purpose OFC communication network with a bandwidth of 10 Gigabit and 25 Kms Range for ITS, ISWM and other future pan city applications		LS		60.00								
	M9.2	**Command and Control Center**				30.00	Digital India - E-Kranti	4.50	0.00	4.50	6.17	6.17		0.00
	2	**Central Command & Control Center:** Commissioning of software's and hardware's for all ITS, ISWM and other future pan city applications.(including cost of Building)		LS		30.00	Digital India - E-Kranti	4.50		4.50				
	M9.3	**City Dash Board**				2.00	Digital India - E-Kranti	1.00	0.00	1.00	0.41	0.41		0.00
	3	**City Dash Board :** Collection, collation, analysis and dissemination of information for all ITS, ISWM and other future pan city applications.		LS		2.00	Digital India - E-Kranti	1.00		1.00				
	M9.4	**One City One App**				5.00	Digital India - E-Kranti	2.50	0.00	2.50	1.03	1.03		0.00
	4	**One City One Web -** Common platform for all citizen services of all departments. To be supported by app also. It will also integrate e-Payment, Grievance management system.		LS		5.00	Digital India - E-Kranti	2.50		2.50				
		Total M9				97.00		8.00	0.00	8.00	27.72	27.72		0.00

Cost-8

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)

SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance						
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
10	**M10**	**Urban Transit Module**												
	M10.1	**Transit Infrastructure**				**24.00**		**0.00**	**0.00**	**0.00**	**4.94**	**4.94**	**CIDF**	**2.00**
	i	Smart Bus Stops	200	Nos	800000	16.00								
	ii	Bus Terminals/ Depots including Workshops and Staff Facility Centers	6	Nos	10000000	6.00								
	iii	PBS Docking Stations	100	Nos	200000	2.00							CIDF	2.00
	M10.2	**Rolling Stock**				**127.40**	**AMRUT, NEMM**	**18.55**	**27.50**	**46.05**	**28.27**	**28.27**	**CIDF**	**2.00**
	i	Std Non-AC Buses	129	Nos	6000000	77.40	AMRUT	18.15	27.50	45.65				
	ii	Std AC Buses	50	Nos	8000000	40.00								
	iii	E- Buses on Core City Area Routes	10	Nos	8000000	8.00	NEMM	0.40		0.40				
	iv	Bikes for PBS	2000	Nos	10000	2.00							CIDF	2.00
	M10.3	**ICT Components**				**26.00**		**0.00**	**0.00**	**0.00**	**5.35**	**5.35**		**0.00**
	i	ETVMs on each Bus and Bus Stops		LS		1.00								
	ii	Real-time vehicle tracking (RVT/ CAD/AVL) and Fleet Management System; passenger information dissemination (On-Board, At-Stops, At-Stations); video surveillance (in vehicles, stops & terminus etc.)		LS		25.00								
	M10.4	**Parking Management**				**10.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**PPP**	**10.00**
	4	**Parking Management-** (On-Street, Off Street and Multi level): Sensors & cameras for data collection on parking lot capacity & availability. At-facility dynamic messaging signboard supported by "One City One App"		LS		10.00							PPP	10.00
		Total M10				**187.40**		**18.55**	**27.50**	**46.05**	**38.55**	**38.55**		**14.00**

Detailed Itemized Cost of Activities and Means of finances in Gwalior Smart City Proposal (SCP)														
SN	Module/ Project Code/	Module/ Project Name	Quantity	Unit	Rate per Unit	Total Capital Cost (₹ Crs.)	Means of Finance							
							Convergence from other Schemes/Projects				Smart City Mission		Other Sources	
							Scheme Name	Amount in INR ₹Crs (GoI)	Amount in INR ₹ Crs (GoMP)	Total Amount in ₹Crs	Grant Amount in ₹ Crs	Equity Amount in ₹ Crs	Source	Amount in INR Crs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	M11	Solid Waste Management Module												
	M11.1	Collection and Transportation Infrastructure				30.87	SBM & ICWM GoMP	6.17	21.61	27.79	1.54	1.54		0.00
	1	Waste Collection and Transportation Infrastructure												
	i	Rehabilitation of Waste to Energy Plant		LS		8.10	SBM & ICWM GoMP	1.62	5.67	7.29				
	ii	Sanitary Landfill with cost of JCB, Dozer, Compactor and Dumper		LS		4.60	SBM & ICWM GoMP	0.92	3.22	4.14				
	iii	Solar E Rickshaw with Tipper 1 Cum Capacity with RFID tag and Tracking Device	50	Nos		0.38	SBM & ICWM GoMP	0.08	0.26	0.34				
	iv	2.5 Bin Placer	7	Nos	240000	0.17	SBM & ICWM GoMP	0.03	0.12	0.15				
	v	5.5 Bin Placer	8	Nos	240000	0.19	SBM & ICWM GoMP	0.04	0.13	0.17				
	vi	Dump Trucks - 12 CuM	4	Nos	120000	0.05	SBM & ICWM GoMP	0.01	0.03	0.04				
	vii	Transfer Stations at Sagartal, Lakshmiganj, and Hurawali including Module of 6 containers with 2 hook loaders - 3 transfer stations with 6 containers per transfer station and 2 prime movers per station - cost per 3 transfer stations	3	Nos	31000000	9.30	SBM & ICWM GoMP	1.86	6.51	8.37				
	viii	Home Composting Units	5000	Nos	800	0.40	SBM & ICWM GoMP	0.08	0.28	0.36				
	ix	Road Side Bins 60 Lit. with RFID Tags	700	Nos	2500	0.18	SBM & ICWM GoMP	0.04	0.12	0.16				
	x	Bins of 2.5 CuM with RFID Tags	450	Nos	45000	2.03	SBM & ICWM GoMP	0.41	1.42	1.82				
	xi	Bins 5.5 CuM with RFID Tags	150	Nos	66000	0.99	SBM & ICWM GoMP	0.20	0.69	0.89				
	2	Supervision and Monitoring of Weigh Bridge and Waste Processing Facilities including equipments for Smart waste-to-energy plants such as smart conveyor belt and pooling device		LS		4.50	SBM & ICWM GoMP	0.90	3.15	4.05				
	M11.2	GIS Based Asset Management				10.50	SBM & ICWM GoMP	2.10	7.35	9.45	0.53	0.53		0.00
	1	GIS based Asset Management through Geo-fencing of waste bins, vehicles, personnel, Waste Transportation Route mapping and GPS based Vehicle Tracking Management System (VTMS)		LS		8.00	SBM & ICWM GoMP	1.60	5.60	7.20				
	2	Grievance redrressal mechanism		LS		2.50	SBM & ICWM GoMP	0.50	1.75	2.25				
	M11.3	Street Sweeping Machines				4.50	SBM & ICWM GoMP	0.90	3.15	4.05	0.22	0.22		0.00
	M11.4	IEC Campaign for Citizens				2.00	SBM & ICWM GoMP	0.40	1.40	1.80	0.10	0.10		0.00
	M11.5	Capacity Building Programmes				2.00	SBM & ICWM GoMP	0.40	1.40	1.80	0.10	0.10		0.00
		Total M11				49.87		9.97	34.91	44.89	2.49	2.49		0.00
		Total Pan City				334.27		36.52	62.41	98.94	68.77	68.77		14.00
		Total ABD + Pan City				2250.57		399.68	236.10	635.78	463.00	463.00		130.40
III		DPR Preparation and PMC Cost @ of 5% of the Project Cost				50.00					25.00	25.00		
IV		Interest During Construction/Moratorium Period				102.50								
		Grant Total Capital Cost				2403.07		399.68	236.10	635.78	488.00	488.00		130.40

Assumptions			
Cost Escalation per annum	7.00%	Cost of Equity	0.18
Contingency	5.00%	Average Cost of Capital	0.082934319
Wholesale Price Index (Source: www.eaindustry.nic.in, Base year FY2004 INDEX 100)	6.67%	Opex as % of Cumulative Capex - Employee, Power, Maintenance, etc	0.0202
		FAR at Redevelopment and Retrofitting Areas	3
Misc. O&M Cost, as % of other O&M Cost	0.00%		
Increase in Property Prices/ annum	10.50%	Revenue from Redeveloped HHs, Rs/ HH	0
		Lease Rental, Rs/sqmtr - MLCP	10
Cost of Construction, Rs/sqft	1500	Growth in Lease Rental	0.07
Annual Letting Value - Residential, Year 0	26900		0
Annual Letting Value - Commercial, Year 0	66800	Average Size of HHs	
Additional area that can be generated as a result of TOD, in sqmtr	534185	Existing HHs at Redevelopment Site	538
Net Additional Area Available for Development, in % of total	60.00%		
Net Additional Area Available for Development, in sqmtr	320511	HHs at Retrofitting and Redevelopment Site	1000
Retail/ Commercial Area for Development through PPP	0		
Residential Area to be developed on PPP, in sqmtr	255490	Water Consumption, in lpcd	135
Mixed Use Area to be developed on PPP in TOD Area, in sqmtr	170060	Volumetric Rate, Rs/Kl	10
Slum Rehabilitation - Retail Component	25589	Sewerage Revenue, as % of Water Revenue	0.5
Slum Rehabilitation - Commercial Component	102356		
Residential Property Rate at non-TOD Area, Rs/sqmtr	40000	Other Revenue Sources	Rs crore/ annu
Commercial/Retail Property Rate at non-TOD Area, Rs/sqmtr	50000	Advertisement	3.2835
Residential Property Rate at TOD Area, Rs/sqmtr	45000	Lease Rent from Users	2.34
Commercial/Retail Property Rate at TOD Area, Rs/sqmtr	60000	Ticket Revenue	0.6789
Applicable FAR at TOD Area	3	Lease Rent from Private Utilities	1
Additional FAR Available at TOD Area	1.5	Rent from Network Users	2
Loading on FAR, in %	40.00%	Fare Box Revenue Share	0
Revenue share for SPV, Properties to be developed on PPP	0.15	Premium from Operators	5.396
Property Tax, as % of Annual Letting Value	0.1		
Consolidated Tax - Fixed, Rs	300	Increase in Number of Properties/ annum	
Consolidated Tax - Variable, as % of Property Tax	0.05	Residential	1000
Increase in Fixed Consolidated Tax/ Annum	0.07	Commercial	100
Education Cess, as % of Property Tax	0.01		
City Development Cess, as % of Annual Letting Value	0.01	Availability of Grant, Rs Crore	
Smart City Cess, as % of Annual Letting Value	0.01	Grant from Centre	488
Water Charges - Domestic, Fixed, Rs/month	150	Convergence	635.8
Water Charges - Commercial, Fixed, Rs/month	250	Total Available Grant	1123.8
Water Charges - Domestic, Volumetric, Rs/KL	10		
Increase in Water Charges/ Annum	0.07	Debt:Equity Ratio	in %
Sewerage Charges, as % of Water Charges	0.5	Debt	0.5
FAR Premium as % of Property Prices	0.15	Equity	0.5
People/ HH	5	Debt Repayment	
		Debt Tenure, Years	10
Project IRR	**9.81%**	Moratorium, Years	2
Equity IRR	**18.38%**	Repayment Years	8

Number of Properties																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Residential	66000	67000	68000	69000	70000	71000	72000	73000	74000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000
Commercial	11358	11458	11558	11658	11758	11858	11958	12058	12158	12258	12258	12258	12258	12258	12258	12258	12258	12258	12258	12258
Annual Letting Value, Rs/HH																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Residential	26900	29725	32846	36294	40105	44316	48970	54111	59793	66071	73009	80675	89146	98506	108849	120278	132907	146863	162283	179323
Commercial	66800	73814	81564	90129	99592	110049	121605	134373	148482	164073	181301	200337	221373	244617	270301	298683	330045	364700	402993	445307
Consolidated Tax - Fixed Fee, Rs/HH																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Residential/ Commercial	300	321	343	368	393	421	450	482	515	552	590	631	676	723	774	828	886	948	1014	1085
Additional Area at TOD Area																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Additional Area to developed at TOD Area, in %	0.00%	0.00%	5.00%	5.00%	10.00%	10.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Additional Area to developed at TOD Area, in sqmtr	0	0	16026	16026	32051	32051	48077	48077	32051	32051	16026	16026	16026	16026	0	0	0	0	0	0
Applicable FAR for the Additional Area to be developed at TOD Area, in sqmtr	0	0	24038	24038	48077	48077	72115	72115	48077	48077	24038	24038	24038	24038	0	0	0	0	0	0
Applicable Property Rates at TOD Area	52500	58013	64104	70835	78272	86491	95573	105608	116696	128950	142489	157451	173983	192251	212438	234743	259392	286628	316724	349979
Premeium Payable to SPV, Rs crore	0	0	23	26	56	62	103	114	84	93	51	57	63	69	0	0	0	0	0	0
Additional Retail/ Commercial Area for Sale at GHTC																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Retail/ Commercial Area to be developed, in %	0.00%	0.00%	5.00%	5.00%	10.00%	10.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Retail/ Commercial Area to be developed, in sqmtr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area with Revised FAR																				
Area for Sale with Revised FAR - With loading																				
Applicable Property Rates at TOD Area	50000	58013	64104	70835	78272	86491	95573	105608	116696	128950	142489	157451	173983	192251	212438	234743	259392	286628	316724	349979
Revenue for SPV, Rs crore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential Area to be developed through PPP																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Residential Area to developed on PPP basis, in %	0.00%	0.00%	5.00%	5.00%	10.00%	10.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Residential Area to developed on PPP basis, in sqmtr	0	0	12775	12775	25549	25549	38324	38324	25549	25549	12775	12775	12775	12775	0	0	0	0	0	0
Applicable FAR for the Residential Area to be developed on PPP basis, in sqmtr																				
Area for Sale - With loading																				
Applicable Property Rates	40000	44200	48841	53969	59636	65898	72817	80463	88912	98247	108563	119962	132558	146477	161857	178852	197632	218383	241313	266651
Revenue Share for SPV, Rs crore	0	0	9	10	23	25	42	46	34	38	21	23	25	28	0	0	0	0	0	0
Mixed Use Area to be developed through PPP in TOD Area																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Mixed Use Area to developed on PPP basis in TOD Area, in %	0.00%	0.00%	5.00%	5.00%	10.00%	10.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Mixed Use Area to developed on PPP basis in TOD Area, in sqmtr	0	0	8503	8503	17006	17006	25509	25509	17006	17006	8503	8503	8503	8503	0	0	0	0	0	0
Applicable FAR for the Residential Area to be developed on PPP basis, in sqmtr																				
Area for Sale - With loading																				
Applicable Property Rates	52500	58013	64104	70835	78272	86491	95573	105608	116696	128950	142489	157451	173983	192251	212438	234743	259392	286628	316724	349979
Revenue Share for SPV, Rs crore	0	0	8	9	20	22	37	40	30	33	18	20	22	25	0	0	0	0	0	0
Residential Area to be developed through PPP in TOD Area																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Mixed Use Area to developed on PPP basis in TOD Area, in %	0.00%	0.00%	5.00%	5.00%	10.00%	10.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Mixed Use Area to developed on PPP basis in TOD Area, in sqmtr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Applicable FAR for the Residential Area to be developed on PPP basis, in sqmtr																				
Area for Sale - With loading																				
Applicable Property Rates	45000	49725	54946	60715	67091	74135	81919	90521	100026	110528	122134	134958	149128	164787	182089	201209	222336	245681	271477	299982
Revenue Share for SPV, Rs crore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Slum Rehabilitation - Retail/ Commercial Component																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Mixed Use Area to developed on PPP basis in TOD Area, in %	0.00%	0.00%	5.00%	5.00%	10.00%	10.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Mixed Use Area to developed on PPP basis in TOD Area, in sqmtr	0	0	6397	6397	12795	12795	19192	19192	12795	12795	6397	6397	6397	6397	0	0	0	0	0	0
Applicable FAR for the Residential Area to be developed on PPP basis, in sqmtr																				
Area for Sale - With loading																				
Applicable Property Rates	60000	66300	73262	80954	89454	98847	109226	120694	133367	147371	162845	179944	198838	219716	242786	268278	296447	327574	361970	399977
Revenue Share for SPV, Rs crore	0	0	7	8	17	19	31	35	26	28	16	17	19	21	0	0	0	0	0	0
Other Revenues																				
Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Advertisement	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Lease Rent from Users	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Ticket Revenue	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Lease Rent from Private Utilities	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Rent from Network Users	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Fare Box Revenue Share	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Premium from Operators	0.00%	0.00%	25.00%	25.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Investment Required, Rs Crore

Modules and Projects	Total Capex	Total O&M	Phasing of Investments					Funding Sources					
			Y1	Y2	Y3	Y4	Y5	Convergence	CSR	PPP	DUTF	GIDF	Nidhi
Heritage and Cultural module													
Brand Gwalior	50.00	0.00	20.00%	20.00%	20.00%	20.00%	20.00%	0.00	0.00	0.00	0.00	0.00	0.00
Revitalising Maharaj Bada	120.00	1.15	20.00%	40.00%	40.00%	0.00%	0.00%	20.00	0.00	0.00	0.00	0.00	0.00
Heritage Hotel at Maharaj Bada	25.00	0.00	20.00%	40.00%	40.00%	0.00%	0.00%	0.00	0.00	25.00	0.00	0.00	0.00
Upgradation of Central Library	2.00	0.02	0.00%	10.00%	90.00%	0.00%	0.00%	0.36	5.18	0.00	0.00	0.00	0.00
Heritage Network Trail	20.75	0.21	20.00%	40.00%	40.00%	0.00%	0.00%	0.04	0.25	0.00	0.00	0.00	0.00
Place Making on Raj Path	1.00	0.00	20.00%	40.00%	40.00%	0.00%	0.00%	0.00	0.00	1.00	0.00	0.00	0.00
Street Signages and Interactive Public Dashboards	25.00	0.25	20.00%	40.00%	40.00%	0.00%	0.00%	0.00	3.21	0.00	0.00	0.00	0.00
Tourist Facility Centres (2 Nos)	1.00	0.01	0.00%	0.00%	100.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Katora Tal Tank Development	2.00	0.10	40.00%	60.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Phasing of Heritage and Culture Module	246.75	1.74	49.15	88.10	89.50	10.00	10.00	20.40	8.64	26.00	0.00	0.00	0.00
Funding from Convergence	20.40		4.01	8.05	8.34	0.00	0.00						
Funding from CSR	8.64		0.69	1.90	6.05	0.00	0.00						
Funding from PPP	26.00		5.20	10.40	10.40	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						
Housing Module													
Development of Affordable Houses under PMAY	294.88	2.95	10.00%	10.00%	20.00%	25.00%	35.00%	110.58	0.00	0.00	0.00	0.00	20.00
Development of Rental Houses for Floating Population	45.00	2.25	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	0.00	0.00	0.00	0.00	0.00
Night Shelters with Basic Amenities	1.00	0.01	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	1.00	0.00	0.00	0.00	0.00
Residential Care Units	3.00	0.03	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	3.00	0.00	0.00	0.00	0.00
Hostels for Working Women	4.00	0.04	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	4.00	0.00	0.00	0.00	0.00
Phasing of Housing Module	347.88	5.28	29.49	29.49	69.58	94.92	124.41	110.58	8.00	0.00	0.00	0.00	20.00
Funding from Convergence	110.58		11.06	11.06	22.12	27.65	38.70						
Funding from CSR	8.00		0.00	0.00	1.60	3.20	3.20						
Funding from PPP	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	20.00		2.00	2.00	4.00	5.00	7.00						
Mobility Module													
Upgradation of Road Network	132.09	2.79	25.00%	35.00%	40.00%	0.00%	0.00%	0.00	1.54	0.00	0.00	0.00	0.00
ITS with Traffic Surveillience	5.00	0.00	0.00%	0.00%	0.00%	20.00%	80.00%	0.00	0.00	0.00	0.00	0.00	0.00
Pedestrian Only Zone at Bada	12.50	0.13	0.00%	0.00%	100.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
MLCP at 2 Locations	29.43	0.00	0.00%	0.00%	0.00%	50.00%	50.00%	0.00	0.00	29.43	0.00	0.00	0.00
Development of BRT Corridor	16.00	0.32	15.00%	40.00%	45.00%	0.00%	0.00%	0.00	0.00	0.00	4.80	0.00	0.00
Strengthening of Existing Bridges on Swarnrekha River	24.00	0.24	0.00%	50.00%	50.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Parking Management on Streets and Other Places	10.00	0.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.00	0.00	0.00	0.00	0.00	0.00
e-Rickshaw as IPT	5.00	0.00	0.00%	0.00%	25.00%	35.00%	40.00%	0.60	0.00	0.00	0.00	0.00	0.00
Redevelopment of Amkho Bus Stand	5.00	0.05	0.00%	0.00%	0.00%	40.00%	60.00%	0.00	0.00	0.00	0.00	0.00	0.00
Phasing of Mobility Module	239.02	3.53	35.42	64.63	85.79	19.47	33.72	0.60	1.54	29.43	4.80	0.00	0.00
Funding from Convergence	0.60		0.00	0.00	0.15	0.21	0.24						
Funding from CSR	1.54		0.39	0.54	0.62	0.00	0.00						
Funding from PPP	29.43		0.00	0.00	0.00	14.72	14.72						
Funding from DUTF	4.80		0.72	1.92	2.16	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						
Infrastructure Module													
24x7 Water Supply	69.28	4.80	25.00%	35.00%	40.00%	0.00%	0.00%	52.42	0.00	0.00	0.00	0.00	0.00
Waste Water Disposable and Management	198.45	10.22	25.00%	35.00%	40.00%	0.00%	0.00%	77.04	0.00	0.00	0.00	0.00	0.00
Waste Management	3.52	0.00	100.00%	0.00%	0.00%	0.00%	0.00%	2.11	0.00	0.00	0.00	0.00	0.00
Mobility	0.00	0.00	0.00%	0.00%	25.00%	35.00%	40.00%	0.00	0.00	0.00	0.00	0.00	0.00
Power Supply	180.53	0.00	0.00%	50.00%	50.00%	0.00%	0.00%	126.37	0.00	0.00	0.00	0.00	0.00
Gas Distribution	49.32	0.00	0.00%	100.00%	0.00%	0.00%	0.00%	49.32	0.00	0.00	0.00	0.00	0.00
Street Lighting, Security and Surveillience	54.60	2.73	25.00%	35.00%	40.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Telecom and IT Connectivity	0.00	0.40	0.00%	0.00%	100.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Underground Utility Duct	71.65	0.30	25.00%	35.00%	40.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Health and Education	0.00	0.00	100.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Infrastructure Module	627.35	18.45	102.02	277.48	247.86	0.00	0.00	307.26	0.00	0.00	0.00	0.00	0.00
Funding from Convergence	307.26		34.48	157.82	114.97	0.00	0.00						
Funding from CSR	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from PPP	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						

Recreation and Social Upgradation													
Rejuvenation and Riverfront Development	40.34	1.21	0.00%	10.00%	40.00%	50.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Upgradation of Nehru Park, Ladies Park and Shivaji Park	18.40	0.55	50.00%	50.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	5.52	0.00
Upgradation of Play Grounds	41.63	0.83	0.00%	0.00%	0.00%	50.00%	50.00%	0.00	0.00	0.00	0.00	0.00	0.00
Automated Public Toilets with Water ATM	3.20	0.10	50.00%	50.00%	0.00%	0.00%	0.00%	2.66	0.54	0.00	0.00	0.00	0.00
Digital Literacy Campaign	1.00	0.02	20.00%	20.00%	20.00%	20.00%	20.00%	1.00	0.00	0.00	0.00	0.00	0.00
Smart Class Rooms in Existing Schools	12.68	0.00	0.00%	0.00%	20.00%	40.00%	40.00%	0.08	0.00	0.00	0.00	0.00	0.00
Smart Healthcare System	26.00	0.00	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	0.00	0.00	0.00	0.00	0.00
Phasing of Recreation and Upgradation	143.25	2.71	11.00	15.03	24.07	56.66	36.49	3.74	0.54	0.00	0.00	5.52	0.00
Funding from Convergence	3.74		1.53	1.53	0.22	0.23	0.23						
Funding from CSR	0.54		0.27	0.27	0.00	0.00	0.00						
Funding from PPP	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	5.52		2.76	2.76	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						
Technology Module													
Wi-Fi HotSpots	8.00	0.40	0.00%	0.00%	100.00%	0.00%	0.00%	8.00	0.00	0.00	0.00	0.00	0.00
CCTV	5.61	0.28	0.00%	0.00%	0.00%	50.00%	50.00%	0.00	0.00	0.00	0.00	0.00	0.00
Air Quality Monitoring Sensors	0.25	0.01	0.00%	25.00%	75.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Water Quality Monitoring Sensors	2.00	0.10	0.00%	0.00%	0.00%	0.00%	100.00%	1.66	0.00	0.00	0.00	0.00	0.00
GIS Mapping of Properties	2.00	0.02	0.00%	0.00%	0.00%	30.00%	70.00%	2.00	0.00	0.00	0.00	0.00	0.00
Public Facilitation Centres	9.00	0.09	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	0.00	0.00	0.00	0.00	0.00
Smart Healthcare System	0.00	0.00	0.00%	0.00%	20.00%	40.00%	40.00%	0.00	0.00	0.00	0.00	0.00	0.00
Phasing of Technology Module	26.86	0.90	0.00	0.06	9.99	7.01	9.81	11.66	0.00	0.00	0.00	0.00	0.00
Funding from Convergence	11.66		0.00	0.00	8.00	0.60	3.06						
Funding from CSR	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from PPP	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						
Economic Development Module													
Skill Development for Handloom	11.25	0.00	0.00%	0.00%	50.00%	50.00%	0.00%	9.56	0.00	0.00	0.00	0.00	0.00
Incubation Centres for Start-ups	11.25	0.00	0.00%	0.00%	50.00%	50.00%	0.00%	5.63	0.00	0.00	0.00	0.00	0.00
Redevelopment of Existing Mandi	7.27	0.07	0.00%	0.00%	0.00%	0.00%	100.00%	7.27	0.00	0.00	0.00	0.00	0.00
Market Redevelopment for other 3 Markets in Bada Area	53.22	0.53	0.00%	0.00%	0.00%	0.00%	100.00%	0.00	0.00	0.00	0.00	0.00	0.00
Hawkers and Vendors' Zone	10.00	0.20	0.00%	0.00%	50.00%	50.00%	0.00%	10.00	0.00	0.00	0.00	0.00	0.00
Gwalior Habitats and Trade Centre	9.43	0.00	0.00%	0.00%	50.00%	50.00%	0.00%	0.00	0.00	9.43	0.00	0.00	0.00
Mixed Use TOD Development on PPP Basis	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Phasing of Economic Development	102.42	0.80	0.00	0.00	20.97	20.97	60.49	32.46	0.00	9.43	0.00	0.00	0.00
Funding from Convergence	32.46		0.00	0.00	12.60	12.60	7.27						
Funding from CSR	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from PPP	9.43		0.00	0.00	4.72	4.72	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						
Sustainability Module													
Solar Panels on Roof Top	151.92	0.00	0.00%	0.00%	0.00%	50.00%	50.00%	50.13	0.00	0.00	0.00	0.00	0.00
Rain Water Harvesting System	2.50	0.08	0.00%	0.00%	0.00%	50.00%	50.00%	0.00	0.00	0.00	0.00	2.50	0.00
Fire Hydrant Systems	22.33	0.89	0.00%	0.00%	0.00%	50.00%	50.00%	0.00	0.00	0.00	0.00	0.00	0.00
Disaster Management	3.00	0.12	0.00%	0.00%	0.00%	50.00%	50.00%	0.00	0.00	0.00	0.00	0.00	0.00
CAD & AVL of Emergency and Police Vehicles	3.00	0.12	0.00%	0.00%	0.00%	45.00%	55.00%	0.00	0.00	0.00	0.00	0.00	0.00
Phasing of Sustainability Module	182.75	1.21	0.00%	0.00%	0.00%	9122.50%	9152.50%	50.13	0.00	0.00	0.00	2.50	0.00
Funding from Convergence	50.13		0.00	0.00	0.00	25.07	25.07						
Funding from CSR	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from PPP	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	2.50		0.00	0.00	0.00	1.25	1.25						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						
PAN City - Intelligent Operations Control Unit													
Multipurpose Backbone Communication Centre	60.00	0.60	40.00%	40.00%	20.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Command and Control Centre	30.00	0.30	0.00%	50.00%	50.00%	0.00%	0.00%	4.50	0.00	0.00	0.00	0.00	0.00
City Dash Board	2.00	0.02	0.00%	0.00%	0.00%	0.00%	100.00%	1.00	0.00	0.00	0.00	0.00	0.00
One City One App	5.00	0.05	100.00%	0.00%	0.00%	0.00%	0.00%	2.50	0.00	0.00	0.00	0.00	0.00
Phasing of Pan City	97.00	0.97	29.00	39.00	27.00	0.00	2.00	8.00	0.00	0.00	0.00	0.00	0.00
Funding from Convergence	8.00		2.50	2.25	2.25	0.00	1.00						
Funding from CSR	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from PPP	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from DUTF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from CIDF	0.00		0.00	0.00	0.00	0.00	0.00						
Funding from Ashray Nidhi	0.00		0.00	0.00	0.00	0.00	0.00						

PAN City - Urban Transit Module																				
Transit Infrastructure			24.00	1.12	50.00%	50.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	2.00	0.00					
Rolling Stock			127.40	0.00	50.00%	50.00%	0.00%	0.00%	0.00%	46.05	0.00	0.00	0.00	2.00	0.00					
ICT Components			26.00	0.26	50.00%	50.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00					
Parking Management			10.00	0.10	0.00%	0.00%	50.00%	50.00%	0.00%	0.00	0.00	10.00	0.00	0.00	0.00					
Phasing of Pan City			187.40	1.48	88.70	88.70	5.00	5.00	0.00	46.05	0.00	10.00	0.00	4.00	0.00					
Funding from Convergence			46.05		23.03	23.03	0.00	0.00	0.00											
Funding from CSR			0.00		0.00	0.00	0.00	0.00	0.00											
Funding from PPP			10.00		0.00	0.00	5.00	5.00	0.00											
Funding from DUTF			0.00		0.00	0.00	0.00	0.00	0.00											
Funding from CIDF			4.00		2.00	2.00	0.00	0.00	0.00											
Funding from Ashray Nidhi			0.00		0.00	0.00	0.00	0.00	0.00											
PAN City - SWM Module																				
Collection and Transportation Infrastructure			30.87	0.00	100.00%	0.00%	0.00%	0.00%	0.00%	27.79	0.00	0.00	0.00	0.00	0.00					
GIS Based Asset Management			10.50	0.00	100.00%	0.00%	0.00%	0.00%	0.00%	9.45	0.00	0.00	0.00	0.00	0.00					
Street Sweeping Machines			4.50	0.00	0.00%	100.00%	0.00%	0.00%	0.00%	4.05	0.00	0.00	0.00	0.00	0.00					
IEC Campain for Citizens			2.00	0.02	20.00%	20.00%	20.00%	20.00%	20.00%	1.80	0.00	0.00	0.00	0.00	0.00					
Capacity Building Program			2.00	0.02	20.00%	20.00%	20.00%	20.00%	20.00%	1.80	0.00	0.00	0.00	0.00	0.00					
Phasing of Pan City			49.87	0.04	42.17	5.30	0.80	0.80	0.80	44.89	0.00	0.00	0.00	0.00	0.00					
Funding from Convergence			44.89		37.96	4.77	0.72	0.72	0.72											
Funding from CSR			0.00		0.00	0.00	0.00	0.00	0.00											
Funding from PPP			0.00		0.00	0.00	0.00	0.00	0.00											
Funding from DUTF			0.00		0.00	0.00	0.00	0.00	0.00											
Funding from CIDF			0.00		0.00	0.00	0.00	0.00	0.00											
Funding from Ashray Nidhi			0.00		0.00	0.00	0.00	0.00	0.00											
Administration and Other Expenses			50.00		10.00	10.00	10.00	10.00	10.00											
Total Project Cost - Gross			2300.55	37.11	396.95	617.79	590.54	316.04	379.23	635.77	18.72	74.86	4.80	12.02	20.00					
Funding from Convergence			635.77		114.56	208.50	169.36	67.07	76.29											
Funding from CSR			18.72		1.35	2.71	8.26	3.20	3.20											
Funding from PPP			74.86		5.20	10.40	20.12	24.43	14.72											
Funding from DUTF			4.80		0.72	1.92	2.16	0.00	0.00											
Funding from CIDF			12.02		4.76	4.76	0.00	1.25	1.25											
Funding from Ashray Nidhi			20.00		2.00	2.00	4.00	5.00	7.00											
Total Project Cost - Net of Convergence and Other Funding Sources			**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**											
Repayment Schedule																				
	Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**	**Y19**	**Y20**
Repayment, in %	0.00%	0.00%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%
Aggregate Repayment	0.00%	0.00%	12.50%	25.00%	37.50%	50.00%	62.50%	75.00%	87.50%	100.00%	112.50%	125.00%	137.50%	150.00%	162.50%	175.00%	187.50%	200.00%	212.50%	225.00%
Actual Repayment	0.00%	0.00%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Repayment	**100.00%**																			
Service Charges																				
	Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**	**Y19**	**Y20**
Number of Properties																				
Residential																				
Numbar of Households	66000.00	67000.00	68000.00	69000.00	70000.00	71000.00	72000.00	73000.00	74000.00	75000.00	75000.00	75000.00	75000.00	75000.00	75000.00	75000.00	75000.00	75000.00	75000.00	75000.00
Number of Residents	330000.00	335000.00	340000.00	345000.00	350000.00	355000.00	360000.00	365000.00	370000.00	375000.00	375000.00	375000.00	375000.00	375000.00	375000.00	375000.00	375000.00	375000.00	375000.00	375000.00
Usage of Water, in KL/day	44550.00	45225.00	45900.00	46575.00	47250.00	47925.00	48600.00	49275.00	49950.00	50625.00	50625.00	50625.00	50625.00	50625.00	50625.00	50625.00	50625.00	50625.00	50625.00	50625.00
Water Charge - Fixed	150.00	160.50	171.74	183.76	196.62															
Water Charge - Volumetric, Rs/KL						10.00	10.70	11.45	12.25	13.11	14.03	15.01	16.06	17.18	18.38	19.67	21.05	22.52	24.10	25.79
Total Water Charges	11.88	12.90	14.01	15.22	16.52	17.49	18.98	20.59	22.33	24.22	25.92	27.73	29.67	31.75	33.97	36.35	38.89	41.62	44.53	47.65
Total Sewerage Charges	5.94	6.45	7.01	7.61	8.26	8.75	9.49	10.30	11.17	12.11	12.96	13.87	14.84	15.87	16.99	18.17	19.45	20.81	22.26	23.82
Commercial																				
Numbar of Households	11358.00	11458.00	11558.00	11658.00	11758.00	11858.00	11958.00	12058.00	12158.00	12258.00	12258.00	12258.00	12258.00	12258.00	12258.00	12258.00	12258.00	12258.00	12258.00	12258.00
Water Charge - Fixed	250.00	267.50	286.23	306.26	327.70	350.64	375.18	401.45	429.55	459.61	491.79	526.21	563.05	602.46	644.63	689.76	738.04	789.70	844.98	904.13
Total Water Charges	3.41	3.68	3.97	4.28	4.62	4.99	5.38	5.81	6.27	6.76	7.23	7.74	8.28	8.86	9.48	10.15	10.86	11.62	12.43	13.30
Total Sewerage Charges	1.70	1.84	1.98	2.14	2.31	2.49	2.69	2.90	3.13	3.38	3.62	3.87	4.14	4.43	4.74	5.07	5.43	5.81	6.21	6.65
Lease Rentals																				
	Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**	**Y19**	**Y20**
Lease Rental from MLCP at Gandhi Market																				
Lease Rental, Rs/Sqmtr/annum	120.00	128.40	137.39	147.01	157.30	168.31	180.09	192.69	206.18	220.62	236.06	252.58	270.26	289.18	309.42	331.08	354.26	379.06	405.59	433.98
Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lease Rental, Rs crore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lease Rental from MLCP at Bhesa Chowki																				
Lease Rental, Rs/Sqft/annum	120.00	128.40	137.39	147.01	157.30	168.31	180.09	192.69	206.18	220.62	236.06	252.58	270.26	289.18	309.42	331.08	354.26	379.06	405.59	433.98
Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lease Rental, Rs crore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Capex Opex																					
	Total Net Cost	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Capital Expenditure - Net of Convergence																					
Heritage and Cultural module	191.71	39.25	67.75	64.71	10.00	10.00															
Housing Module	209.30	16.43	16.43	41.86	59.08	75.51															
Mobility Module	202.65	34.32	62.17	82.86	4.54	18.76															
Infrastructure Module	320.09	67.54	119.66	132.89	0.00	0.00															
Recreation and Social Upgradation	133.45	6.44	10.47	23.86	56.43	36.26															
Technology Module	15.20	0.00	0.06	1.99	6.41	6.75															
Economic Development Module	60.53	0.00	0.00	3.66	3.66	53.22															
Sustainability Module	130.12	0.00	0.00	0.00	64.91	65.21															
PAN City - Intelligent Operations Control Unit	89.00	26.50	36.75	24.75	0.00	1.00															
PAN City - Urban Transit Module	127.35	63.68	63.68	0.00	0.00	0.00															
PAN City - SWM Module	4.98	4.21	0.53	0.08	0.08	0.08															
Administration and Other Expenses	50.00	10.00	10.00	10.00	10.00	10.00															
Total - Without Cost Escalation	**1534.38**	**268.36**	**387.50**	**386.65**	**215.09**	**276.78**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Capex - With Cost Escalation		**268.36**	**414.63**	**442.68**	**263.49**	**362.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
OPEX																					
OPEX Without Cost Escalation	37.11	6.49	15.86	25.21	30.42	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11
OPEX With Cost Escalation		6.49	16.97	28.87	37.26	48.64	52.05	55.69	59.59	63.76	68.23	73.00	78.11	83.58	89.43	95.69	102.39	109.55	117.22	125.43	134.21
Source of Funding																					
		Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**	**Y19**	**Y20**
Required Investment		268.36	414.63	442.68	263.49	362.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital Structure																					
Equity		194.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant		194.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Excess Equity + Grant		119.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortfall		0.00	218.63	246.68	67.49	362.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Debt		0.00	98.99	246.68	67.49	362.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IDC		0.00	4.21	18.90	31.72	47.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Debt+IDC		0.00	103.20	265.57	99.22	410.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		388.00	299.20	461.57	295.22	410.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	84.41	194.23	49.07	243.59															
Debt Schedule																					
Gross Debt		0.00	98.99	345.67	413.16	763.58	720.37	668.73	571.73	474.74	377.75	280.75	183.76	99.14	45.35	0.00	0.00	0.00	0.00	0.00	0.00
Repayment of Debt		0.00	0.00	0.00	12.37	43.21	51.65	96.99	96.99	96.99	96.99	96.99	84.62	53.79	45.35	0.00	0.00	0.00	0.00	0.00	0.00
Net Debt - Long Term		0.00	98.99	345.67	400.79	720.37	668.73	571.73	474.74	377.75	280.75	183.76	99.14	45.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest Cost on Long Term Debt		0.00	4.21	18.90	31.72	47.65	59.04	52.72	44.48	36.23	27.99	19.74	12.02	6.14	1.93	0.00	0.00	0.00	0.00	0.00	0.00
Short Term Debt		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest Cost on Short Term Debt		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest Cost		0.00	4.21	18.90	31.72	47.65	59.04	52.72	44.48	36.23	27.99	19.74	12.02	6.14	1.93	0.00	0.00	0.00	0.00	0.00	0.00
		194.00	**292.00**	**390.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**	**488.00**
Tax Calculations																					
		Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**	**Y19**	**Y20**
For Books																					
Gross Block		0.00	268.36	682.99	1125.67	1389.16	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96
Additional Gross Block		268.36	414.63	442.68	263.49	362.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accumulated Depreciation		12.75	45.19	98.66	164.64	247.86	331.08	414.30	497.52	580.73	663.95	747.17	830.39	913.60	996.82	1080.04	1163.26	1246.48	1329.69	1412.91	1496.13
Net Block		255.62	637.80	1027.01	1224.52	1504.09	1420.88	1337.66	1254.44	1171.22	1088.00	1004.79	921.57	838.35	755.13	671.92	588.70	505.48	422.26	339.04	255.83
Depreciation for the year		12.75	32.44	53.47	65.99	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22
For Tax																					
Gross Block		0.00	268.36	682.99	1125.67	1389.16	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96	1751.96
Additional Gross Block		268.36	414.63	442.68	263.49	362.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accumulated Depreciation		37.33	127.14	266.04	422.26	607.22	766.45	903.54	1021.55	1123.15	1210.62	1285.92	1350.74	1406.55	1454.60	1495.96	1531.57	1562.23	1588.62	1611.34	1630.90
Net Block		231.03	555.85	859.63	966.90	1144.73	985.50	848.42	730.40	628.80	541.34	466.04	401.21	345.40	297.36	255.99	220.39	189.73	163.34	140.62	121.06
Depreciation for the year		37.33	89.81	138.89	156.23	184.96	159.23	137.08	118.01	101.60	87.47	75.30	64.83	55.81	48.05	41.36	35.61	30.66	26.39	22.72	19.56

Income Statements																			
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
PBT	38.64	15.86	40.45	33.88	91.63	49.54	150.23	192.79	152.19	192.39	127.10	158.82	192.26	228.02	106.37	126.66	148.60	172.77	199.43	228.84
Add: Book Depreciation	12.75	32.44	53.47	65.99	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22
Less Tax Depreciation	37.33	89.81	138.89	156.23	184.96	159.23	137.08	118.01	101.60	87.47	75.30	64.83	55.81	48.05	41.36	35.61	30.66	26.39	22.72	19.56
Taxable PBT	14.06	0.00	0.00	0.00	0.00	0.00	96.36	157.99	133.81	188.15	135.02	177.22	219.66	263.19	148.22	174.26	201.16	229.60	259.93	292.50
Less: Carryforward Losses	0.00	0.00	0.00	0.00	0.00	0.00	96.36	83.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Taxable Profit	14.06	0.00	0.00	0.00	0.00	0.00	0.00	74.92	133.81	188.15	135.02	177.22	219.66	263.19	148.22	174.26	201.16	229.60	259.93	292.50
Sec 80IA Benefit available	14.06	0.00	0.00	0.00	0.00	0.00	0.00	74.92	133.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actual Taxable Profit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.15	135.02	177.22	219.66	263.19	148.22	174.26	201.16	229.60	259.93	292.50
Income Tax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.50	44.85	58.87	72.97	87.43	49.24	57.89	66.83	76.27	86.35	97.17
MAT	7.70	3.16	8.06	6.75	18.26	9.87	29.94	38.42	30.33	38.34	25.33	31.65	38.32	45.44	21.20	25.24	29.62	34.43	39.75	45.61
Tax Payable	7.70	3.16	8.06	6.75	18.26	9.87	29.94	38.42	30.33	62.50	44.85	58.87	72.97	87.43	49.24	57.89	66.83	76.27	86.35	97.17
MAT Credit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Tax Payable	7.70	3.16	8.06	6.75	18.26	9.87	29.94	38.42	30.33	62.50	44.85	58.87	72.97	87.43	49.24	57.89	66.83	76.27	86.35	97.17
Loss Claim Calculation																				
Opening Balance of Carried Forward Loss	0.00	0.00	41.51	86.48	142.84	152.96	179.43	83.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Addition to Losses	0.00	41.51	44.98	56.36	10.12	26.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Losses Claimed	0.00	0.00	0.00	0.00	0.00	0.00	96.36	83.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing Balance	0.00	41.51	86.48	142.84	152.96	179.43	83.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAT Credit Calculation																				
MAT Credit (excess of MAT over normal IT)	7.70	3.16	8.06	6.75	18.26	9.87	29.94	38.42	30.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Set-off available (for 10 years)	7.70	3.16	8.06	6.75	18.26	9.87	29.94	38.42	30.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAT Credit Availed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balance Sheet																				
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Liability																				
Equity	194.00	292.00	390.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00
Reserves	30.94	43.64	76.03	103.16	176.52	216.19	336.47	490.84	612.70	742.59	824.84	924.79	1044.07	1184.66	1241.79	1310.55	1392.32	1488.82	1601.91	1733.58
Networth	224.94	335.64	466.03	591.16	664.52	704.19	824.47	978.84	1100.70	1230.59	1312.84	1412.79	1532.07	1672.66	1729.79	1798.55	1880.32	1976.82	2089.91	2221.58
Grant	194.00	292.00	390.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00	488.00
Loan																				
Long Term	0.00	98.99	345.67	400.79	720.37	668.73	571.73	474.74	377.75	280.75	183.76	99.14	45.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Short Term	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Debt	0.00	98.99	345.67	400.79	720.37	668.73	571.73	474.74	377.75	280.75	183.76	99.14	45.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Liability	418.94	726.63	1201.69	1479.94	1872.89	1860.92	1884.21	1941.58	1966.44	1999.34	1984.59	1999.92	2065.42	2160.66	2217.79	2286.55	2368.32	2464.82	2577.91	2709.58
Assets																				
Gross Block	388.00	687.20	1148.77	1443.99	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43	1854.43
Depreciation	12.75	45.19	98.66	164.64	247.86	331.08	414.30	497.52	580.73	663.95	747.17	830.39	913.60	996.82	1080.04	1163.26	1246.48	1329.69	1412.91	1496.13
Net Block	375.25	642.01	1050.11	1279.35	1606.57	1523.36	1440.14	1356.92	1273.70	1190.48	1107.27	1024.05	940.83	857.61	774.39	691.18	607.96	524.74	441.52	358.30
Working Capital																				
Inventory	2.68	6.83	11.26	13.89	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52
Debtors	7.05	7.78	14.64	16.16	26.56	28.77	40.44	44.58	38.45	42.38	33.44	36.60	40.07	43.89	28.61	31.18	34.00	37.08	40.46	44.17
Cash & Bank Balance	34.75	72.10	129.24	175.14	228.24	297.69	392.97	529.90	644.63	757.37	835.37	931.39	1077.31	1252.66	1409.06	1559.30	1722.36	1899.94	2093.86	2306.13
Current Liability & Provisions	0.80	2.09	3.56	4.59	6.00	6.42	6.87	7.35	7.86	8.41	9.00	9.63	10.30	11.03	11.80	12.62	13.51	14.45	15.46	16.55
Net Current Assets	43.69	84.62	151.58	200.60	266.32	337.56	444.07	584.66	692.74	808.86	877.33	975.88	1124.59	1303.05	1443.39	1595.37	1760.37	1940.08	2136.38	2351.28
Total Assets	**418.94**	**726.63**	**1201.69**	**1479.94**	**1872.89**	**1860.92**	**1884.21**	**1941.58**	**1966.44**	**1999.34**	**1984.59**	**1999.92**	**2065.42**	**2160.66**	**2217.79**	**2286.55**	**2368.32**	**2464.82**	**2577.91**	**2709.58**

Cash Flow																			
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20
Sources of Funds																				
PAT	30.94	12.70	32.39	27.13	73.36	39.67	120.29	154.37	121.86	129.89	82.25	99.95	119.28	140.59	57.13	68.76	81.77	96.50	113.08	131.67
Depreciation	12.75	32.44	53.47	65.99	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22
Change in Equity	194.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in Debt	0.00	98.99	246.68	55.12	319.59	-51.65	-96.99	-96.99	-96.99	-96.99	-96.99	-84.62	-53.79	-45.35	0.00	0.00	0.00	0.00	0.00	0.00
Change in Grant	194.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in Current Liability & Provisions	0.80	1.29	1.47	1.03	1.40	0.42	0.45	0.48	0.51	0.55	0.59	0.63	0.67	0.72	0.77	0.83	0.88	0.95	1.01	1.08
Total	432.49	341.43	530.00	345.27	477.57	71.66	106.96	141.07	108.60	116.67	69.06	99.18	149.39	179.18	141.12	152.81	165.87	180.66	197.31	215.97
Utilization of Funds																				
Dividend																				
Change in Gross Block	388.00	299.20	461.57	295.22	410.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in Inventory	2.68	4.15	4.43	2.63	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in Receivable	7.05	0.73	6.86	1.51	10.40	2.21	11.68	4.14	-6.13	3.93	-8.95	3.16	3.47	3.82	-15.28	2.57	2.82	3.09	3.38	3.71
Total	**397.73**	**304.08**	**472.86**	**299.37**	**424.48**	**2.21**	**11.68**	**4.14**	**-6.13**	**3.93**	**-8.95**	**3.16**	**3.47**	**3.82**	**-15.28**	**2.57**	**2.82**	**3.09**	**3.38**	**3.71**
Opening Cash Balance	0.00	34.75	72.10	129.24	175.14	228.24	297.69	392.97	529.90	644.63	757.37	835.37	931.39	1077.31	1252.66	1409.06	1559.30	1722.36	1899.94	2093.86
Change in Cash	34.75	37.35	57.14	45.90	53.10	69.45	95.28	136.93	114.72	112.74	78.01	96.02	145.91	175.36	156.40	150.24	163.06	177.58	193.93	212.27
Closing Cash Balance	34.75	72.10	129.24	175.14	228.24	297.69	392.97	529.90	644.63	757.37	835.37	931.39	1077.31	1252.66	1409.06	1559.30	1722.36	1899.94	2093.86	2306.13
IRR Calculations																				
	Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**	**Y19**	**Y20**
Project IRR																				
EBIT	37.94	13.73	36.42	27.80	83.56	98.06	189.13	218.81	164.93	192.34	114.98	135.51	158.22	183.35	53.13	67.29	82.97	100.33	119.55	140.84
Less Tax	7.70	3.16	8.06	6.75	18.26	9.87	29.94	38.42	30.33	62.50	44.85	58.87	72.97	87.43	49.24	57.89	66.83	76.27	86.35	97.17
Less Increase in Gross Block (net of Grant)	194.00	201.20	363.57	197.22	410.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Less Increase in Current Assets	9.73	4.88	11.28	4.15	14.03	2.21	11.68	4.14	-6.13	3.93	-8.95	3.16	3.47	3.82	-15.28	2.57	2.82	3.09	3.38	3.71
Add Depreciation	12.75	32.44	53.47	65.99	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22
Add Increase in Current Liabilities	0.80	1.29	1.47	1.03	1.40	0.42	0.45	0.48	0.51	0.55	0.59	0.63	0.67	0.72	0.77	0.83	0.88	0.95	1.01	1.08
FCFF	-159.94	-161.78	-291.56	-113.31	-274.56	169.62	231.18	259.94	224.46	209.68	162.89	157.33	165.67	176.03	103.16	90.87	97.42	105.13	114.05	124.27
Project IRR	0.10																			
Equity IRR																				
PAT	30.94	12.70	32.39	27.13	73.36	39.67	120.29	154.37	121.86	129.89	82.25	99.95	119.28	140.59	57.13	68.76	81.77	96.50	113.08	131.67
Depreciation	12.75	32.44	53.47	65.99	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22
Change in Grant	194.00	98.00	98.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in Debt	0.00	98.99	246.68	55.12	319.59	-51.65	-96.99	-96.99	-96.99	-96.99	-96.99	-84.62	-53.79	-45.35	0.00	0.00	0.00	0.00	0.00	0.00
Change in Current Liability & Provisions	0.80	1.29	1.47	1.03	1.40	0.42	0.45	0.48	0.51	0.55	0.59	0.63	0.67	0.72	0.77	0.83	0.88	0.95	1.01	1.08
Change in Inventory	2.68	4.15	4.43	2.63	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in Receivables	7.05	0.73	6.86	1.51	10.40	2.21	11.68	4.14	-6.13	3.93	-8.95	3.16	3.47	3.82	-15.28	2.57	2.82	3.09	3.38	3.71
Change in Gross Block	388.00	299.20	461.57	295.22	410.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FCFE	-159.25	-60.65	-40.86	-52.10	53.10	69.45	95.28	136.93	114.72	112.74	78.01	96.02	145.91	175.36	156.40	150.24	163.06	177.58	193.93	212.27
Equity IRR	**0.18**																			
	-159.25	**-56.01**	**-34.84**	**-41.02**	**38.61**	**46.63**	**59.07**	**78.39**	**60.65**	**55.04**	**35.16**	**39.97**	**56.09**	**62.24**	**51.26**	**45.47**	**45.57**	**45.83**	**46.22**	**46.71**
Ratio Calculations																				
	Y1	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**	**Y7**	**Y8**	**Y9**	**Y10**	**Y11**	**Y12**	**Y13**	**Y14**	**Y15**	**Y16**	**Y17**	**Y18**		
Margins																				
EBITDA				71.57%	77.42%	77.69%	83.02%	83.52%	79.56%	80.15%	73.08%	73.69%	74.28%	74.88%	58.76%	59.51%	60.27%	61.03%		
EBIT				21.21%	38.79%	42.03%	57.65%	60.51%	52.88%	55.95%	42.40%	45.65%	48.68%	51.50%	22.90%	26.61%	30.09%	33.36%		
PBT				25.86%	42.53%	21.23%	45.79%	53.31%	48.79%	55.96%	46.86%	53.50%	59.15%	64.05%	45.84%	50.08%	53.89%	57.44%		
PAT				20.70%	34.06%	17.00%	36.67%	42.69%	39.07%	37.78%	30.33%	33.67%	36.70%	39.49%	24.62%	27.19%	29.66%	32.08%		
Returns																				
RoE	13.75%	3.78%	6.95%	4.59%	11.04%	5.63%	14.59%	15.77%	11.07%	10.56%	6.26%	7.07%	7.79%	8.40%	3.30%	3.82%	4.35%	4.88%		
RoA	7.37%	1.74%	2.69%	1.83%	3.90%	2.12%	6.36%	7.92%	6.17%	6.47%	4.13%	4.97%	5.75%	6.47%	2.56%	2.99%	3.43%	3.89%		
RoCE	9.06%	1.89%	3.03%	1.88%	4.46%	5.27%	10.04%	11.27%	8.39%	9.62%	5.79%	6.78%	7.66%	8.49%	2.40%	2.94%	3.50%	4.07%		
Gearing																				
DE		0.00	0.29	0.74	0.68	1.08	0.95	0.69	0.49	0.34	0.23	0.14	0.07	0.03	-8.9208E-17	-8.6262E-17	-8.2963E-17	-7.9355E-17		
DSCR																				
PAT	30.94	12.70	32.39	27.13	73.36	39.67	120.29	154.37	121.86	129.89	82.25	99.95	119.28	140.59	57.13	68.76	81.77	96.50040155		
Interest	0.00	0.00	0.00	0.00	0.00	59.04	52.72	44.48	36.23	27.99	19.74	12.02	6.14	1.93	-1.2683E-14	-1.2683E-14	-1.2683E-14	-1.2683E-14		
Depreciation	12.75	32.44	53.47	65.99	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.22	83.21790344		
Cash Profit	43.69	45.14	85.85	93.12	156.58	181.92	256.22	282.06	241.31	241.10	185.20	195.19	208.64	225.73	140.35	151.98	164.99	179.718305		
Interest	0.00	0.00	0.00	0.00	0.00	59.04	52.72	44.48	36.23	27.99	19.74	12.02	6.14	1.93	-1.2683E-14	-1.2683E-14	-1.2683E-14	-1.2683E-14		
Debt Repayment	0.00	0.00	0.00	12.37	43.21	51.65	96.99	96.99	96.99	96.99	96.99	84.62	53.79	45.35	0	0	0	0		
Total Debt Service	0.00	0.00	0.00	12.37	43.21	110.68	149.71	141.47	133.23	124.98	116.74	96.64	59.93	47.28	-1.2683E-14	-1.2683E-14	-1.2683E-14	-1.2683E-14		
DSCR				7.53	3.62	1.64	1.71	1.99	1.81	1.93	1.59	2.02	3.48	4.77	-1.1065E+16	-1.1983E+16	-1.3009E+16	-1.417E+16		

संचालनालय, नगरीय प्रशासन एवं विकास, म.प्र., भोपाल
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Website: www.mpurban.gov.in

क्रमांक/यू.प्र./07/2015/ 14406 भोपाल, दिनांक 26/11/2015

प्रति,

आयुक्त,
नगर पालिक निगम, ग्वालियर,
मध्यप्रदेश

Apporval of AMRUT SLIP by GoMP

विषय :- अमृत मिशन के अंतर्गत विस्तृत परियोजना प्रतिवेदन (DPR) प्रस्तुत करने के संबंध में।
संदर्भ :- आपके द्वारा प्रेषित सर्विस लेवल इम्प्रूव्हमेंट प्लान।

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संदर्भित विषयांतर्गत आपके द्वारा प्रस्तुत सर्विस लेवल इम्प्रूव्हमेंट प्लान (SLIP) के आधार पर तैयार किये गये स्टेट एनुअल एक्शन प्लान (SAAP) का अनुमोदन भारत सरकार द्वारा किया जा चुका है। वर्ष 2015-16 से 2019-20 के मिशन अवधि के लिए आपके निकाय से संबंधित कार्यो का घटकवार विवरण निम्नानुसार है :-

Amount Rs. In Crore

S. No.	Name of City	Water Supply	Sewerage and Septage Management	Storm Water Drainage	Urban Transport / Mobility	Others and Green Spaces	Total
1	Gwalior	365.30	432.75	0.00	55.00	21.32	874.37

तथा वर्ष 2015-16 के लिए कार्यो का विवरण एवं व्यय का विभाजन निम्नानुसार है :-

Amount Rs. In Crore

S. No.	Name of City	Water Supply	Sewerage and Septage Management	Storm Water Drainage	Urban Transport / Mobility	Others and Green Spaces	Total
1	Gwalior	73.06	86.55	0.00	11.00	4.26	174.87

उपरोक्त कार्यो का क्रियान्वयन दो चरणों, प्रथम चरण (2015-16 से 2017-18) एवं द्वितीय चरण (2018-19 से 2019-20) में किया जाना है।

प्रथम चरण में निम्नानुसार कार्य कराये जाने है :-

Amount Rs. In Crore

S. No.	Project detail	Financial year			Total
		2015-16	2016-17	2017-18	
1	Water Supply	73.06	73.06	73.06	219.18
2	Sewerage and Septage Management	86.55	86.55	86.55	259.65
3	Urban Transport / Mobility	11.00	11.00	11.00	33.00
4	Others and Green Spaces	4.26	4.26	4.26	12.78
	Total	174.87	174.87	174.87	524.61

आपके निकाय द्वारा यदि उक्त कार्यों के लिए विस्तृत परियोजना प्रतिवेदन (DPR) पूर्व से तैयार है तो उसे अमृत मार्गदर्शिका अनुसार अद्यतन कर तत्काल संचालनालय में प्रस्तुत करे तथा जिन परियोजनाओं की डीपीआर तैयार नहीं है उन्हें अवगत कराने का कष्ट करें। नये डी.पी.आर. संचर कराया जायेगा। पी.डी.एम.सी. की नियुक्ति हेतु निर्देश जारी किया जा चुका है, जिसका अवलोकन विभाग की वेबसाइट में किया जा सकता है तथा जिन परियोजनाओं की डीपीआर तैयार नहीं है उन्हें अवगत कराने का कष्ट करें।

(प्रभाकांत कयरे)
प्रमुख अभियंता
नगरीय प्रशासन एवं विकास
मध्यप्रदेश, भोपाल

Approval of Housing for All Plan of Action under PMAY by GoMP

संचालनालय, नगरीय प्रशासन एवं विकास
मध्यप्रदेश, भोपाल

भोपाल, दिनांक 30/11/2015

कार्यवाही विवरण

मुख्य सचिव, मध्यप्रदेश शासन की अध्यक्षता में दिनांक 30.11.2015 को मंत्रालय, वल्लभ भवन में मुख्य सचिव के कार्यालय के प्रतिकक्ष में प्रधानमंत्री आवास योजना सबके लिए आवास– 2022 (शहरी) की प्रथम बैठक संपन्न हुई जिसमें प्रमुख सचिव, म.प्र. शासन, राजस्व विभाग, प्रमुख सचिव, म.प्र. शासन, नगरीय विकास एवं पर्यावरण विभाग, आयुक्त सह–सचिव, नगरीय प्रशासन एवं विकास, सचिव, म.प्र. शासन, वित्त विभाग, अपर आयुक्त, नगरीय प्रशासन एवं विकास (नोडल अधिकारी प्रधानमंत्री आवास योजना) प्रमुख अभियंता, नगरीय प्रशासन एवं विकास उपस्थित रहे।

बैठक में प्रधानमंत्री आवास योजना सबके लिए आवास– 2022 (शहरी) के संबंध में भारत सरकार, आवास और शहरी गरीबी उपशमन, मंत्रालय द्वारा जारी मार्गदर्शी सिद्धांत एवं योजना के घटक, उपलब्ध करायी जाने वाली राशि एवं राज्य शासन द्वारा उपलब्ध करायी जाने वाली राशि के बारे में निम्नानुसार प्रस्तुतीकरण किया गया :–

भारत सरकार द्वारा 25 जून, 2015 को नगरीय क्षेत्र में शहरी गरीबों को आवास उपलब्ध कराने हेतु प्रारंभ की गई योजना प्रधानमंत्री आवास योजना सबके लिए आवास– 2022 (शहरी) के अंतर्गत राष्ट्रीय प्राथमिकता निर्धारित करते हुए योजना के क्रियान्वित किये जाने वाले घटक निम्नानुसार है :–

(i) "In-Situ" Slum Redevelopment Using Land as a Resource with Private Participation.

(ii) Affordable Housing through Credit Linked Subsidy.

(iii) Affordable Housing in Partnership.

(iv) Subsidy for Beneficiary-Led Individual House Construction.

2. योजना क्रियान्वय हेतु भारत सरकार, राज्य सरकार, नगरीय निकाय एवं हितग्राही के मध्य वित्तीय प्रबंधन निम्नानुसार किया जाना है–

S.No.	Vertical of the Mission	Central Assistance	State Assistance
1	"In-Situ" Slum Redevelopment	Rs. 1 Lakh per DU	Only Land will be provided.
2	Affordable Housing through Credit Linked Subsidy	Interest Subsidy @ 6.5 % on Home Loan Amount upto Rs. 6 Lakh & maximum Loan Tenure of 15 Years	-
3	Affordable Housing in Partnership	Rs. 1.5 Lakh per DU	For Slum: **Rs. 1.5 Lakh per DU** For Greenfield Project: **No Financial Assistance will be provided**
4	Subsidy for Beneficiary-Led Individual House Construction.	Rs. 1.5 Lakh per DU	**Rs. 1.00 Lakh per DU**

3. दिनांक 24.11.2015 को राज्य स्तरीय मूल्यांकन समिति की द्वितीय बैठक में हाउसिंग फॉर ऑल प्लॉन ऑफ एक्शन (HFAPoA) एवं डी.पी.आर. राज्य स्तरीय स्वीकृत और निगरानी समिति के समक्ष प्रस्तुत करने की अनुसंशा निम्नानुसार की गई है:–

हाउसिंग फॉर ऑल प्लॉन ऑफ एक्शन (HFAPoA):–

Demand Survey

S. No.	Name of City	Total Population *(As Per Census 2011)*	Total Households *(As Per Census 2011)*	Total Slum Population *(As Per Census 2011)*	Total Slum Households *(As Per Census 2011)*	%age of Slum Households *(As Per Census 2011)*	Housing Need as per HFAPoA			
							Slum	Non-Slum	Total	%age of Households
1	Indore	21,95,274	4,46,585	5,90,257	1,14,048	25.54%	97,627	75,379	1,73,006	38.74%
2	Bhopal	17,98,218	3,82,690	4,79,699	1,02,803	26.86%	1,12,692	40,103	1,52,795	39.93%
3	Jabalpur	10,69,292	2,22,613	4,83,626	96,754	43.46%	71,895	24,406	96,301	43.26%
4	Gwalior	10,54,420	1,99,466	3,09,793	56,947	28.55%	64,072	25847	89,919	45.08%
5	Sagar	2,73,296	52,303	42,887	7,968	15.23%	5,831	10,920	16,751	32.03%
6	Katni	2,21,883	47,488	45,206	9,739	20.51%	12,506	3,910	16,416	34.57%
7	Ratlam	2,64,914	55,162	36,981	7,448	13.50%	7,448	6,917	14,365	26.04%
8	Singrauli	2,20,257	44,682	33,670	6,211	13.90%	8,442	5,000	13,442	30.08%
9	Rewa	2,35,654	48,093	46,760	9,126	18.98%	8,982	7,581	16,563	34.44%
10	Satna	2,80,222	54,688	75,755	14,498	26.51%	14,129	7,669	21,798	39.86%
11	Chhindwara	1,38,291	27,590	21,941	4,478	16.23%	4,191	9,357	13,548	49.10%
12	Chhatarpur	1,42,128	26,793	11,901	2,041	7.62%	4,397	2897	7,294	27.22%
13	Hoshangabad	1,17,988	24,737	14,538	2,996	12.11%	3,143	4243	7,386	29.86%
14	Vidisha	1,55,951	31,627	35,772	7,163	22.65%	6,335	5417	11,752	37.16%
15	Dindori	21,323	4,907	4,613	922	18.79%	1,160	497	1,657	33.77%
16	Damoh	1,39,561	28,274	52,785	10,436	36.91%	3,358	5290	8,648	30.59%
17	Rajgarh	29,726	5,847	17,948	3,462	59.21%	1,736	165	1,901	32.51%
18	Khurai	51,108	9,798	20,644	3,984	40.66%	1,460	1967	3,427	34.98%
19	Chandla	12,838	2,429	2,343	456	18.77%	373	412	785	32.32%
20	Patharia	21,026	4,317	7,327	1,381	31.99%	1,075	681	1,756	40.68%
21	Rampur Bhagelan	13,638	2,617	4,970	1,040	39.74%	970	438	1,408	53.80%
22	Harda	74,268	14,744	39,118	7,714	52.32%	1,852	4273	6,125	41.54%
23	Budni	16,808	3,448	8,793	1,777	51.54%	1,159	340	1,499	43.47%
Total:		**85,48,084**	**17,40,898**	**23,87,327**	**4,73,392**		**4,34,833**	**2,43,709**	**6,78,542**	

Proposed Intervention for Mission Period (2015-2022)

S. No.	Name of City	No. of Beneficiaries				
		Redevelopment through Private Participation	Credit Linked Subsidy	Affordable Housing in Partnership	Beneficiary-led Construction	Total
1	Indore	49,670	28,158	67,020	28,158	**1,73,006**
2	Bhopal	62,383	13,383	63,646	13,383	**1,52,795**
3	Jabalpur	3,674	10,739	77,983	3,905	**96,301**
4	Gwalior	2,855	7,861	75,880	3,323	**89,919**
5	Sagar	145	2,325	12,288	1,993	**16,751**
6	Katni	10,062	1,638	3,078	1,638	**16,416**
7	Ratlam	4,254	2,872	4,366	2,873	**14,365**
8	Singrauli	5,430	1,337	5,264	1,411	**13,442**
9	Rewa	586	2,298	11,199	2,480	**16,563**
10	Satna	482	3,837	12,363	5,116	**21,798**
11	Chhindwara	50	3,811	6,521	3,166	**13,548**
12	Chhatarpur	-	2,123	2,850	2,321	**7,294**
13	Hoshangabad	597	590	4,001	2,198	**7,386**
14	Vidisha	-	916	8,345	2,491	**11,752**
15	Dindori	-	338	900	419	**1,657**
16	Damoh	-	877	5,605	2,166	**8,648**
17	Rajgarh	-	21	1,797	83	**1,901**
18	Khurai	-	243	1,966	1,218	**3,427**
19	Chandla	-	113	479	193	**785**
20	Patharia	-	192	1,182	382	**1,756**
21	Rampur Bhagelan	-	109	1,136	163	**1,408**
22	Harda	-	788	4,310	1,027	**6,125**
23	Budni	-	-	1,058	441	**1,499**
Total:		**1,40,188**	**84,569**	**3,73,237**	**80,548**	**6,78,542**

Funding Pattern for Mission Period (2015-2022)

S. No.	Name of City	Redevelopment through Private Participation	Credit Linked Subsidy	Affordable Housing in Partnership			Beneficiary-led Construction			Grand Total		
		GoI Share (Rs. 1.00 Lakh Per DU)	GoI Share (6.5% Interest Subsidy)	GoI Share (Rs. 1.50 Lakh per DU)	State Share (Rs. 1.50 Lakh per DU for Slum Dwellers)	Total Amount	GoI Share (Rs. 1.50 Lakh per DU)	State Share (Rs. 1.00 Lakh Per DU)	Total Amount	GoI Share	State Share	Total Amount
1	Indore	496.70	422.37	1,005.30	331.43	**1,336.73**	422.37	281.58	**703.95**	2,346.74	613.01	**2,959.75**
2	Bhopal	623.83	200.75	954.69	593.78	**1,548.47**	200.75	133.83	**334.58**	1,980.01	727.61	**2,707.62**
3	Jabalpur	36.74	161.09	1,169.75	1,023.32	**2,193.06**	58.58	39.05	**97.63**	1,426.15	1,062.37	**2,488.51**
4	Gwalior	28.55	117.92	1,138.20	918.26	**2,056.46**	49.85	33.23	**83.08**	1,334.51	951.49	**2,286.00**
5	Sagar	1.45	34.88	184.32	76.04	**260.36**	29.90	19.93	**49.83**	250.54	93.97	**346.51**
6	Katni	100.62	24.57	46.17	10.98	**57.15**	24.57	16.38	**40.95**	195.93	27.36	**223.29**
7	Ratlam	42.54	43.08	65.49	3.29	**68.78**	43.10	28.73	**71.83**	194.21	32.02	**226.22**
8	Singrauli	54.30	20.06	78.96	18.96	**97.92**	21.17	14.11	**35.28**	174.48	33.07	**207.55**
9	Rewa	5.86	34.47	167.99	98.63	**266.61**	37.20	24.80	**62.00**	245.52	123.43	**368.94**
10	Satna	4.82	57.56	185.45	138.57	**324.02**	76.74	51.16	**127.90**	324.56	189.73	**514.29**
11	Chhindwara	0.50	57.17	97.82	55.79	**153.60**	47.49	31.66	**79.15**	202.97	87.45	**290.42**
12	Chhatarpur	-	31.85	42.75	29.15	**71.90**	34.82	23.21	**58.03**	109.41	52.36	**161.77**
12	Hoshangabad	5.97	8.85	60.02	29.37	**89.39**	32.97	21.98	**54.95**	107.81	51.35	**159.16**
13	Vidisha	-	13.74	125.18	81.47	**206.64**	37.37	24.91	**62.28**	176.28	106.38	**282.66**
14	Dindori	-	5.07	13.50	10.46	**23.96**	6.29	4.19	**10.48**	24.86	14.65	**39.50**
15	Damoh	-	13.16	84.08	45.78	**129.86**	32.49	21.66	**54.15**	129.72	67.44	**197.16**
16	Rajgarh	-	0.32	26.96	25.74	**52.70**	1.25	0.83	**2.08**	28.52	26.57	**55.09**
17	Khurai	-	3.65	29.49	17.01	**46.50**	18.27	12.18	**30.45**	51.41	29.19	**80.60**
18	Chandla	-	1.70	7.19	4.59	**11.78**	2.90	1.93	**4.83**	11.78	6.52	**18.30**
19	Patharia	-	2.88	17.73	14.04	**31.77**	5.73	3.82	**9.55**	26.34	17.86	**44.20**
20	Rampur Bhagelan	-	1.64	17.04	13.13	**30.17**	2.45	1.63	**4.08**	21.12	14.76	**35.88**
22	Harda	-	11.82	64.65	25.16	**89.81**	15.41	10.27	**25.68**	91.88	35.43	**127.30**
23	Budni	-	-	15.87	15.18	**31.05**	6.62	4.41	**11.03**	22.49	19.59	**42.08**
Total:		**1,401.88**	**1,268.54**	**5,598.56**	**3,580.07**	**9,178.62**	**1,208.22**	**805.48**	**2,013.70**	**9,477.19**	**4,385.55**	**13,862.74**

भारत सरकार, आवास और शहरी गरीबी उपशमन, मंत्रालय द्वारा प्रतिवर्ष निर्धारित किये गये केंद्रांश एवं उसके अनुसार राज्यांश की गणना करने पर वर्ष 2015–16 से 2017–18 तक के लिए प्रथम चरण का प्रस्ताव निम्नानुसार है:–

Proposed Intervention for Phase-I (2015-16 to 2017-18)

S. No.	Name of City	No. of Beneficiaries				
		Redevelopment through Private Participation	Credit Linked Subsidy	Affordable Housing in Partnership	Beneficiary-led Construction	Total
1	Indore	49,670	14,079	16,755	14,079	**94,583**
2	Bhopal	62,383	6,692	15,912	6,692	**91,679**

S. No.	Name of City	No. of Beneficiaries				
		Redevelopment through Private Participation	Credit Linked Subsidy	Affordable Housing in Partnership	Beneficiary-led Construction	Total
3	Jabalpur	3,674	5,370	19,496	1,953	30,493
4	Gwalior	2,855	2,311	19,089	1,001	25,256
5	Sagar	145	1,163	2,004	997	4,309
6	Katni	10,062	819	792	819	12,492
7	Ratlam	4,254	1,436	1,092	1,437	8,219
8	Singrauli	5,430	669	2,184	706	8,989
9	Rewa	586	1,149	2,240	1,240	5,215
10	Satna	482	1,919	2,446	2,558	7,405
11	Chhindwara	50	1,906	1,131	1,583	4,670
12	Chhatarpur	-	1,062	1,248	1,161	3,471
13	Hoshangabad	597	295	1,000	1,099	2,991
14	Vidisha	-	458	2,086	1,246	3,790
15	Dindori	-	203	348	290	841
16	Damoh	-	439	1,356	1,083	2,878
17	Rajgarh	-	11	575	42	628
18	Khurai	-	122	835	609	1,566
19	Chandla	-	57	410	97	564
20	Patharia	-	96	800	191	1,087
21	Rampur Bhagelan	-	55	400	82	537
22	Harda	-	394	1,078	514	1,986
23	Budni	-	-	265	221	486
	Total:	1,40,188	40,705	93,542	39,700	3,14,135

Funding Pattern for Phase-I (2015-16 to 2017-18)

Amount Rs. In Crore

S. No.	Name of City	Redevelopment through Private Participation	Credit Linked Subsidy	Affordable Housing in Partnership			Beneficiary-led Construction			Total		
		GoI Share (Rs. 1.00 Lakh Per DU)	GoI Share (6.5% Interest Subsidy)	GoI Share (Rs. 1.50 Lakh per DU)	State Share (Rs. 1.50 Lakh per DU for Slum Dwellers)	Total Amount	GoI Share (Rs. 1.50 Lakh per DU)	State Share (Rs. 1.00 Lakh Per DU)	Total Amount	GoI Share	State Share	Total Amount
1	Indore	496.70	211.19	251.33	82.86	**334.19**	211.19	140.79	**351.98**	,170.41	223.65	**1,394.06**
2	Bhopal	623.83	100.37	238.67	148.44	**387.11**	100.37	66.92	**167.29**	1,063.24	215.36	**1,278.60**
3	Jabalpur	36.74	80.54	292.44	255.83	**548.27**	29.29	19.53	**48.82**	439.01	275.36	**714.37**
4	Gwalior	28.55	34.67	286.33	214.24	**500.57**	15.01	10.01	**25.02**	364.56	224.25	**588.81**
5	Sagar	1.45	17.44	30.06	30.06	**60.12**	14.95	9.97	**24.92**	63.90	40.03	**103.93**
6	Katni	100.62	12.29	11.88	11.88	**23.76**	12.29	8.19	**20.48**	137.08	20.07	**157.15**
7	Ratlam	42.54	21.54	16.37	0.82	**17.19**	21.55	14.37	**35.92**	102.00	15.19	**117.19**
8	Singrauli	54.30	10.03	32.76	32.76	**65.52**	10.58	7.06	**17.64**	107.67	39.82	**147.49**
9	Rewa	5.86	17.24	33.60	33.60	**67.20**	18.60	12.40	**31.00**	75.30	46.00	**121.30**
10	Satna	4.82	28.78	36.69	36.69	**73.38**	38.37	25.58	**63.95**	108.66	62.27	**170.93**
11	Chhindwara	0.50	28.58	16.97	16.97	**33.94**	23.75	15.83	**39.58**	69.80	32.80	**102.60**
12	Chhatarpur	-	15.92	18.72	18.72	**37.44**	17.41	11.61	**29.02**	52.05	30.33	**82.38**
13	Hoshangabad	5.97	4.43	15.00	7.34	**22.34**	16.49	10.99	**27.48**	41.89	18.33	**60.22**

S. No.	Name of City	Redevelopment through Private Participation	Credit Linked Subsidy	Affordable Housing in Partnership			Beneficiary-led Construction			Total		
		GoI Share *(Rs. 1.00 Lakh Per DU)*	GoI Share *(6.5% Interest Subsidy)*	GoI Share *(Rs. 1.50 Lakh per DU)*	State Share *(Rs. 1.50 Lakh per DU for Slum Dwellers)*	Total Amount	GoI Share *(Rs. 1.50 Lakh per DU)*	State Share *(Rs. 1.00 Lakh Per DU)*	Total Amount	GoI Share	State Share	Total Amount
14	Vidisha	-	6.87	31.29	20.37	**51.66**	18.68	12.46	**31.14**	56.84	32.83	**89.67**
15	Dindori	-	3.04	5.22	5.22	**10.44**	4.35	2.90	**7.25**	12.61	8.12	**20.73**
16	Damoh	-	6.58	20.34	20.34	**40.68**	16.25	10.83	**27.08**	43.17	31.17	**74.34**
17	Rajgarh	-	0.16	8.63	8.63	**17.26**	0.62	0.42	**1.04**	9.41	9.05	**18.46**
18	Khurai	-	1.82	12.53	12.53	**25.06**	9.14	6.09	**15.23**	23.49	18.62	**42.11**
19	Chandla	-	0.85	6.15	6.15	**12.30**	1.45	0.97	**2.42**	8.45	7.12	**15.57**
20	Patharia	-	1.44	12.00	12.00	**24.00**	2.87	1.91	**4.78**	16.31	13.91	**30.22**
21	Rampur Bhagelan	-	0.82	6.00	6.00	**12.00**	1.22	0.82	**2.04**	8.04	6.82	**14.86**
22	Harda	-	5.91	16.16	6.29	**22.45**	7.70	5.14	**12.84**	29.77	11.43	**41.20**
23	Budni	-	-	3.97	3.80	**7.77**	3.31	2.21	**5.52**	7.28	6.01	**13.29**
Total:		**1,401.88**	**610.51**	**1,403.11**	**991.54**	**2,394.65**	**595.44**	**397.00**	**992.44**	**4,010.94**	**1,388.54**	**5,399.48**

शहरों से प्राप्त एवं राज्य स्तरीय मूल्यांकन समिति से अनुसंशित जबलपुर शहर के तीनों विकल्प के एवं अन्य 15 शहरों के AHP Project का प्रस्तुतीकरण निम्नानुसार किया गया :–

S. No.	Name of City	Vertical of HFA	No. of DUs	Project Cost	Central Share	State Share	Beneficiary Share
1	Jabalpur	Redevelopment through Private Participation	396	23.02	3.96	Via PPP Partner	
		AHP (Slum)	600	34.87	9.00	9.00	16.87
		AHP (Non-Slum)	1,440	83.69	21.60	-	62.09
		Beneficiary-Led Construction	100	4.65	1.50	1.00	2.15
		Total (Jabalpur):	**2,536**	146.23	**36.06**	**10.00**	**81.11**
2	Katni	AHP	792	36.88	11.88	11.88	13.12
3	Ratlam	AHP	432	20.11	6.48	6.48	7.15
4	Singrauli	AHP	2,184	101.69	32.76	32.76	36.17
5	Sagar	AHP	2,004	92.40	30.06	30.06	32.28
6	Rewa	AHP	2,240	103.29	33.60	33.60	36.09
7	Satna	AHP	2,446	112.79	36.69	36.69	39.41
8	Chhindwara	AHP	1,131	52.16	16.97	16.97	18.22
9	Chhatarpur	AHP	1,248	57.55	18.72	18.72	20.11
10	Damoh	AHP	1,356	62.53	20.34	20.34	21.85
11	Dindori	AHP	348	16.05	5.22	5.22	5.61
12	Rajgarh	AHP	575	22.14	8.63	8.63	4.88
13	Khurai	AHP	835	32.14	12.53	12.53	7.08
14	Patharia	AHP	800	30.79	12.00	12.00	6.79
15	Rampur Baghelan	AHP	400	15.39	6.00	6.00	3.39
16	Chandla	AHP	410	15.78	6.15	6.15	3.48
		Total:	**19,737**	**917.92**	**294.09**	**268.03**	**336.74**

PAY

उक्त प्रस्तुतीकरण उपरांत मुख्य सचिव द्वारा निम्नानुसार निर्देश दिये गये :–

- आवासीय इकाई के मानचित्र हितग्राहियों की सुविधा अनुसार कई विकल्प School of Planning & Architecture से समन्वय कर प्रतिस्पर्धा आमंत्रित कर पुरस्कार का प्रावधान करते हुए तैयार कराये जाय।
- आवश्यकतानुसार बहुमंजिला भू–तल के साथ 6 एवं 7 मंजिला भवन लिफ्ट के साथ निर्माण किये जाने पर विचार किये जाए।

राज्य स्तरीय मूल्यांकन समिति की अनुसंशा के क्रम में विचारोपरांत हाउसिंग फॉर ऑल प्लॉन ऑफ एक्शन (HFAPoA) एवं जबलपुर शहर के तीनों विकल्प, अन्य 15 शहरों के AHP Project का राज्य स्तरीय स्वीकृत और निगरानी समिति द्वारा अनुमोदन कर भारत सरकार, आवास और शहरी गरीबी उपशमन, मंत्रालय की केंद्रीय स्वीकृत एवं निगरानी समिति के समक्ष प्रस्तुत किये जाने की अनुसंशा की गई ।

प्रमुख सचिव,	**प्रमुख सचिव,**	**अपर मुख्य सचिव / सचिव**	**मुख्य सचिव,**
म.प्र. शासन	म.प्र. शासन	म.प्र. शासन	**म.प्र. शासन**
नगरीय विकास एवं पर्यावरण विभाग	राजस्व विभाग	वित्त विभाग	भोपाल

संयोजक,	**अपर आयुक्त,**	**आयुक्त सह–सचिव,**
राज्य स्तरीय बैंकर्स समिति	**(राज्य नोडल अधिकारी)**	नगरीय प्रशासन एवं विकास
क्षेत्रीय कार्यालय सेंट्रल बैंक	नगरीय प्रशासन एवं विकास	

Ministry of New and Renewable Energy
(Grid Connected SPV Rooftop, Solar Cities & Green Buildings Division
****

Development of Solar City Programme
Status Note on Solar Cities (As on 15.09.2015)

1. Background

The Ministry has launched a Scheme on "Development of Solar Cities": under which a total of 60 cities/towns are proposed to be supported for development as "Solar/ Green Cities". At least one city in each State to a maximum of five cities in a State may be supported by the Ministry. The cities may have population between 0.5 to 50 lakh. Relaxation could be considered for special category states including North-Eastern States. Financial support up to of Rs. 50 lakh for each city may be provided for preparation of the Master Plan alongwith few DPR (up to Rs. 10 lakh), oversight of its implementation (up to Rs. 10 lakh), setting up and functioning of Solar City Cell in the city (up to Rs. 10 lakh) and organizing promotional activities (up to Rs. 20 lakh).

2. Status of Proposals

- Sanctions have been issued for 50 Cities namely Agra, Moradabad, Allahabad, Rajkot, Gandhinagar, Surat, Nagpur, Kalyan-Dombiwali, Thane, Aurangabad, Nanded, Gwalior, Rewa, Imphal, Kohima, Dimapur, Dehradun, Haridwar-Rishikesh, Chamoli-Gopeshwar, Chandigarh, Gurgaon, Faridabad, Coimbatore, Vijayawada, Bilaspur, Raipur, Agartala, Guwahati, Jorhat, Hubli-Dharwad, Mysore, Amritsar, Ludhiana, Mohali, Jodhpur, Bhubaneswar, Aizawl, Panaji City & Environs, Itanagar, Hamirpur, Shimla Shirdi, Ajmer, New Town Kolkata , Howrah, Madhyamgram, New Delhi, Puducherry, Kochi and Bhopal.

- Master Plans have been prepared for 48 cities namely Agra, Moradabad, Gandhinagar, Rajkot, Surat, Kalyan-Dombiwali, Thane, Shirdi, Nagpur, Aurangabad, Nanded, Indore, Bhopal, Rewa, Gwalior, Imphal, Kohima, Dimapur, Chandigarh, Gurgaon, Faridabad, Bilaspur, Raipur, Agartala, Guwahati, Jorhat, Hubli-Dharwad, Mysore, Aizawl, Itanagar, Coimbatore, Shimla, Hamirpur, Jodhpur, Vijayawada, Ludhiana, Amritsar, Chamoli-Gopeswar, Dehradun, Haridwar-Rishikesh, New Town Kolkata, Madhyamgram, Panaji, Puducherry, New Delhi (NDMC area), Allahabad, Kochi , Bhubaneswar, Indore and Thiruvananthapuram.

- Further, "In-Principle" approvals have been given to 6 Cities namely Thiruvananthapuram, Jaipur, Indore, Leh, Mahbubnagar and Narsapur Town (West Godavari District). Master Plan of Indore and Thiruvananthapuram have been prepared and the other Corporations/State Nodal Agencies are in the process of engaging Consultants for preparation of the Master Plans.

3. Empanelment of Consultants

The Ministry has empanelled 26 consultants in June 2009 for preparation of the Master Plans. The list is available in the Website of MNRE.

4. Model Solar Cities.

Eight Cities are to be developed as 'Model Solar Cities'. So far, **Nagpur, Chandigarh, Gandhinagar and Mysore** have been identified/ sanctioned. The financial support upto Rs. 9.50 core is provided for each Model Solar City provided the equal amount of Rs. 9.50 crore is given by the Municipal Corporation/City Administration/State or any other resources including public private partnership for installation of renewable energy projects/system.

5. Pilot Solar Cities

Fifteen Cities to be developed as 'Pilot Solar Cities'. So far 13 cities namely **Agartala, Coimbatore, Rajkot, Shimla, Faridabad, Thane, Raipur, Shirdi, Leh, Aizawl, Puducherry, Vijaywada and Amritsar** are being developed as Pilot Solar City. The financial support upto Rs. 2.50 crore will be provided for each Pilot Solar City provided the equal amount of Rs. 2.50 crore is given by the Municipal Corporation/City Administration/State or any other resources including public private partnership for installation of renewable energy projects/systems.

6. Solar City Cells and Stakeholders Committees:

The Stakeholders committees have been constituted in all 50 solar cities while the solar city cells have been created in 26 solar cities.

7. RE Projects:

RE projects with an aggregate capacity of 8.16 MWp eq. Solar PV Projects and 505100 lpd (7894.5 m^2) SWH systems have been sanctioned in Chandigarh, Mysore, Rajkot, Agartala, Faridabad, Thane, Aizwal, Puducherry, Nagpur, Surat ,Vijaywada & Shimla solar cities.

8. Green Campus:

So far sanctions has been given for 14 campuses namely Silver Jubilee Campus of Pondicherry University; Auroville Campus (Puducherry); Dayalbagh Nagar Panchayat; School of Planning & Architecture (New Delhi); Malkapur Nagar Panchayat; KIIT University; Tezpur University; Indian Institute of Engineering, Science & Technology (BESU); Jadhavpur University; Writers Building (Kolkata); Madan Mohan Malaviya University of Technology (Gorakhpur); Orissa University of Agriculture and Technology (Bhubaneswar); Shri Hanuman Vyayam Prasarak Mandal (Amravati); and National Institute of Technology (Hamirpur) to be developed as Green Campus.

9. Financial Status

- The sanctions have been issued for **50 Cities** at a total cost of **Rs. 2369.15 lakh/-** for Master Plans, Solar City Cells and Promotional Activities of which **Rs. 610.97** lakh has been released.
- An amount of **Rs. 4281.18 lakh** has been sanctioned for installation of renewable energy projects in 12 Solar Cities of which **Rs. 1783.76 lakh** has been released.

Annexure 1

State-wise list of Solar Cities for which Sanctions/In-Principle approvals have been given

Sr. No	State	Cities for which in-principle approval given	Amount Sanctioned in (Rs. Lakh)	Amount Released in (Rs. Lakh)
1.	Andhra Pradesh	1. Vijaywada	46.40	15.40
2.	Telangana	2. Mahbubnagar*	-	-
3.	Assam	3. Guwahati	45.45	7.72
		4. Jorhat	49.18	24.18
4.	Arunachal Pradesh	5. Itanagar	47.49	16.49
5.	Chandigarh	6. Chandigarh	49.75	39.75
6.	Chhattisgarh	7. Bilaspur	43.43	12.43
		8. Raipur	43.43	12.43
7.	Gujarat	9. Rajkot	47.45	12.72
		10. Gandhinagar	50.00	14.00
		11. Surat	43.46	8.46
8.	Goa	12. Panji City	43.30	1.65
9.	Haryana	13. Gurgaon	47.45	7.45
		14. Faridabad	48.75	17.75
10.	Himachal Pradesh	15. Shimla	42.95	26.94
		16. Hamirpur	42.80	26.80
11.	Karnataka	17. Mysore	43.25	5.62
		18. Hubli-Dharwad	43.00	1.50
12.	Kerala	19. Thiruvananthapuram*	-	-
		20. Kochi	48.84	19.42
13.	Maharashtra	21. Nagpur	48.93	4.46
		22. Thane	49.84	18.84
		23. Kalyan-Dombivli	49.57	24.57
		24. Aurangabad	50.00	7.86
		25. Nanded	50.00	3.74
		26. Shirdi	43.48	1.74
14.	Madhya Pradesh	27. Indore*	-	-
		28. Gwalior	49.55	9.78
		29. Bhopal	48.00	19.00
		30. Rewa	50.00	13.55
15.	Manipur	31. Imphal	48.56	4.28
16.	Mizoram	32. Aizawl	48.09	17.09
17.	Nagaland	33. Kohima	46.98	20.47
		34. Dimapur	48.95	4.47
18.	Delhi	35. New Delhi (NDMC area)	50.00	2.25
19.	Orissa	36. Bhubaneswar	47.37	3.68
20.	Punjab	37. Amritsar	45.00	11.50
		38. Ludhiana	45.00	11.50
		39. SAS Nagar (Mohali)	50.00	2.24
21.	Rajasthan	40. Ajmer	50.00	1.35
		41. Jaipur*	-	-
		42. Jodhpur	43.50	1.75

Sr. No	State	Cities for which in-principle approval given	Amount Sanctioned in (Rs. Lakh)	Amount Released in (Rs. Lakh)
22.	Tamil Nadu	43. Coimbatore	49.00	24.00
23.	Tripura	44. Agartala	45.49	14.44
24.	Uttarakhand	45. Dehradun 46. Haridwar & Rishikesh 47. Chamoli –Gopeshwar	47.40 45.00 44.95	12.70 5.00 13.94
25.	Uttar Pradesh	48. Agra 49. Moradabad 50. Allahabad	48.89 50.00 49.82	38.89 25.00 2.45
26.	West Bengal	51. Howrah 52. Madhyamgram 53. New Town Kolkata	50.00 50.00 50.00	4.31 4.15 11.26
27.	Jammu & Kashmir	54. Leh*	-	-
28.	Puducherry	55. Puducherry	49.40	-
	Total		**2369.15**	**610.97**

***Only In-principal approval given.**

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Gwalior Development Authority, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

Gwalior Development Authority, Gwalior having its office at**, Ravi Nagar, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence Redevelopment of Public Lands and necessary infrastructure and shall exchange necessary information required for formulation, development and land parcels being developed through Area Based Proposals.

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior

Date

Witness
1. Zuleb Siddiqui
2.

For and on behalf of Second Part

Signature

Name SURESH KUMAR

Title CEO, GDA

Date 25-6-2016

Witness
1. 25/6/16 C.D. Mishra E.E. GDA GWL
Executive Engineer
Gwalior Development Authority
GWALIOR (M.P.)
2. 27.6.16
S.K. Sahu Accounts GDA

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Madhya Pradesh Housing and Infrastructure Development Board , Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

MPHIDB, Gwalior having its office at**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in Redevelopment of Public lands and necessary infrastructure and shall exchange necessary information required for formulation, Development for land parcels being developed through Area Based Proposal

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind

However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

5. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

6. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

7. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature 24/6/16	Signature 24/6/16
Name :- Anay Dwivedi (IAS) Commissioner Municipal Corporation Gwalior (M.P.)	Name Pradeep Kumar Hedau
Title:- Commissioner	Title Executive Engineer M.P. Housing and Infrastructure Development Board, Divn. No.2, Gwalior (M.P.)
Date	Date 24/6/2016
Witness 1. Meghraj Singh. GMC Gwalior 2. Shrikant Kale GMC	Witness 1. Rajendra Tiwari Asst-Engg MPHIDB Divn-II GWL. 2. Zeeba Siddiqui, GMC

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Executive Engg. MPPWD Gwalior having its office at**, Moti Mahal, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in providing 24X 7 water supply system with reuse of recycled water (dual piping) with smart metering and necessary infrastructure and coordination in planning, designing, financing, implementation, operation and maintenance of such facilities and shall exchange necessary information required for it

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

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For and on behalf of First Part

Signature 24/6/16

Commissioner
Municipal Corporation
Gwalior (M.P.)

Name AnayDivedi

Title Comissioner,
Gwalior, Mnicipal Corporation,
Gwalior

Date

Witness
1. Shikant Kale

2.

For and on behalf of Second Part

Signature

Name M.S. Tadon

Title Executive Engineer

Executive Engineer
P.W.D. (Bridge Construction)
Divison Gwalior

Date 23/6/16

Witness
1. Zuheb Siddiqui, GMC

2.

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and MPKVVCL, Gwalior

This Agreement is made at Gwalior on this 24 Day of June 2016 between **Gwalior Municipal Corporation** having its office at Naryan Krishna Shejwalkar Admin. Building, City Center, Gwalior (herein after referred to as the "Authority") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

MPMKVVCL, **Gwalior** having its office at Roshani Ghar, Gwalior (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council resolution no. 73 dated 25/06/16 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in Power supply, Underground Electrification, Utility Shifting, Renewable Energy along with the necessary Infrastructure and coordination in planning, designing, financing, implementation operations and maintenance of such facilities and shall exchange necessary information required for it.

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

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For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior

Date

Witness
1.

2.

देवी सिंह राठौर
सहायक यंत्री (विद्युत)
नगर पालिक निगम ग्वा

For and on behalf of Second Part

Signature

General Manager (City Circle)
M. P. M. K.V. V. Co. Ltd.
Gwalior (M.P.)

Name Arun Sharma (9406902249)

Title GM (City)

Date 24/6/16

Witness
1. (A P Singh) 9406902468

Dy. General Manager (City Circle)
M. P. M. K. V. V. Co. Ltd.
Gwalior (M.P.)

2. (Bajrangi Ataria) 9406913303

MANAGER H.R. (City Circle)
M. P. M. K. V. V. Co. Ltd.
Gwalior (M.P.)

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation and MP Regional Transport Authority, Gwalior

This Agreement is made at Gwalior on this 25 Day of June 2016 between **Gwalior Municipal Corporation** having its office at Naryan Krishna Shejwalkar Admin. Building, City Center, Gwalior(herein after referred to as the "Authority") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

MP Regional Transport Authority, Gwalior having its office at Near Kala Vithika, Padav, Gwalior (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council resolution no. 73 dated 25/06/16 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in Creation of No Vehicle/ Pedestrian zone on traditional market Streets with provisions of smart parking at affordable distance and all such other traffic measures with necessary Infrastructure and shall exchange necessary information required for formulation, Development for such activities being developed through Area Based Proposals.

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

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BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title
Date	Date
Witness 1. Manish Yadav 2. Zulfeb Siddiqui	Witness 1. Mayuri Singh 2.

94/6/16
Commissioner
Municipal Corporation
Gwalior (M.P.)

25/06/16
क्षेत्रीय परिवहन अधिकारी
ग्वालियर (म.प्र.)

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation and District Health Officer, Gwalior

This Agreement is made at Gwalior on this 24 Day of June 2016 between **Gwalior Municipal Corporation** having its office at Naryan Krishna Shejwalkar Admin. Building, City Center, Gwalior(herein after referred to as the "Authority") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

District Health Officer, Gwalior having its office at Moti Mahal, Gwalior (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council resolution no. 73 dated 25/06/16 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in providing access to Health services with necessary Infrastructure and coordination in planning, designing, financing, implementation operations and maintenance of such facilities and shall exchange necessary information required for it.

NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name डॉ. अनूप कम्ठान मुख्य चिकित्सा एवं स्वा. अधिकारी जिला ग्वालियर (म.प्र.)
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title
Date	Date
Witness 1. 2.	Witness 1. 2.

24/6/16 Commissioner Municipal Corporation Gwalior (M.P.)

24/06/2016

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation and District Education Officer, Gwalior

This Agreement is made at Gwalior on this 24 Day of June 2016 between **Gwalior Municipal Corporation** having its office at Naryan Krishna Shejwalkar Admin. Building, City Center, Gwalior(herein after referred to as the "Authority") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

District Education Officer, Gwalior having its office at Maharaja Bada, Gwalior 474001 (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council resolution no. 73 dated 25/06/16 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in providing skill trainning with necessary Infrastructure and coordination in planning, designing, financing, implementation operations and maintenance of such facilities and shall exchange necessary information required for it.

NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name VIKASH JOSHI
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title
Date	Date 24.6.2016
Witness 1. 2.	Witness 1. 2.

Commissioner
Municipal Corporation
Gwalior (M.P.)

जिला शिक्षा अधिकारी
जिला ग्वालियर

M.A. ZAIDI
Distt. Nodal Officer
Distt. Education Officer, Gwl.

ADPC
RMSA GWALIOR (M.P.)

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and MP Pollution Control Board, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

MP Pollution Control Board, Gwalior having its office at**, DD Nagar, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Air and Water Quality Monitoring Sensors including real time monitoring) under Sustainability and Technology Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name
Title Comissioner, Gwalior, Mnicipal Gwalior Corporation,	Title
Date 24/6/16	Date
Witness 1. Raju Goyal Zonal officer GMC 2.	Witness 1. 2.

Commissioner Municipal Corporation Gwalior (M.P.)

Regional Officer M.P. Pollution Control Board Gwalior

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and MP Urja Vikas Nigam Ltd, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

MP Urja Vikas Nigam Ltd, Gwalior, having its office at City C,enter **Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of of full scope of projects (Solar Roof Top Panels including net metering) under Sustainability Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name AnayDivedi 26/6/16

Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior

Date

Witness
1.

2.

For and on behalf of Second Part

Signature

Name S.K.S. Chauhan (एस. के. एस. चौहान)

Title जिला अक्षय ऊर्जा अधिकारी म. प्र. ऊर्जा विकास निगम लि. जिला ग्वालियर

Date 26/6/16.

Witness
1.

2.

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Public Health Engineering (PHE), Gwalior

AND

PHE Department, Gwalior having its office at**, PHE Project Division, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Water Supply, Sewerage and Storm Water Drainage) under Infrastructure Development Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

5. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

6. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

7. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior

Date

Witness
1. Mahendra Agrawal GMC
2.

For and on behalf of Second Part

Signature

Name Rajendra Singh Bhadoria

Assistant Engineer
Public Helth Engineering Department
Project Sub Dn. No.3, Dr. Gwalior

Title

Date 24-6-16

Witness
1.
2.

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

District Employment Officer, having its office at**, Moti Mahal, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects under Economic Development Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature Kulshrestha
Name AnayDivedi 24/6/16 Commissioner Municipal Corporation Gwalior (M.P.)	Name Priyanka Kulshrestha
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title Employment Officer
Date	Date 24/6/16
Witness 1. Manoj Yadav	Witness 1. Parmar 24/6/16

जिला रोजगार अधिकारी जिला रोजगार कार्यालय ग्वालियर (म.प्र.)

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Bharat Sanchar Nigam Ltd, Gwalior

This Agreement is made at Gwalior on this 24th Day of June 2016 between **Gwalior Municipal Corporation** having its office at Gudu Gudi Ka Naka ,Jeetla Road, Gwalior- 474001 (herein after referred to as the "Authority") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Bharat Sanchar Nigam Ltd having its office at Gwalior (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council resolution no.73 dated 24/06/2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in Wireless Network System along with the necessary Infrastructure and coordination in planning, designing, financing, implementation operations and maintenance of such activities and shall exchange necessary information required for it.

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

5. RELATIONSHIP

Nothing in this MOU shall be construed to make either party. a partner, an agent or legal representative of the other for any purpose.

6. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

7. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi Commissioner Municipal Corporation Gwalior (M.P.)	Name S. K. SHARMA सहायक महाप्रबंधक (योजना)
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title Asstt. Gen. Manager (Planning) कार्या. महाप्रबंधक दूरसंचार, ग्वालियर O/o. General Manager Telecom Gwalior
Date	Date 24.6.2016
Witness 1. Chintan Kale 2. Yogeshraj Singh-Rajput, G.M.C.	Witness 1. 2.

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation and Project Office PMAY, GMC, Gwalior

This Agreement is made at Gwalior on this 24 Day of July 2016 between **Gwalior Municipal Corporation** having its office at Gudu Gudi Ka Naka ,Jeetla Road, Gwalior- 474001(herein after referred to as the "Authority") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Project Office PMAY, GMC, Gwalior having its office at N. K. Shejwalkar, Admin. Building, City Center, Gwalior (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council resolution no. 73 dated 25/06/16 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in Affordable Housing under PMAY with necessary Infrastructure and coordination in planning, designing, financing, implementation operations and maintenance of such facilities and shall exchange necessary information required for it.

NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature 24/6/16	Signature
Name : Anay Dwivedi (IAS) Commissioner Municipal Corporation Gwalior (M.P.)	Name Rajan Kumar Singhal
Title:- Commissioner, Gwalior Municipal Corporation,	Title
Gwalior, M. P.	Date 24.06.2016
Date	
Witness 1. Shrikant Kelte GMC	Witness 1. Meghraj Singh G.M.C. Gwalior
2.	2. Zuleb Siddiqui GMC

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Archeology & Archives, Museum, having its office at **Regional Office, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in conservation of built heritage along with necessary infrastructure development and coordination, Planning, Designing, Implementation and O&M of such facilities. Specially, Extending support in implementation of projects (Museum) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2.

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Naya Bazaar Market Association, having its office at **Naya Bazaar, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Urban Haat & Night Markets) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior

Date

Witness
1.
2.

For and on behalf of Second Part

Signature

Name SURESH BANSAL

Title President NAZAR BAGH Market LASHKAR, GWALIOR (M.P.)

Date

Witness
1.
2. Meghraj Singh

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Chudi Market Association, Gwalior, having its office at Jiwaji Chowk**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Market Redevelopment) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi Commissioner Municipal Corporation Gwalior (M.P.)	Name
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title
Date	Date
Witness 1. 2.	Witness 1. 2.

चूड़ी मार्केट एशोसियेशन
दर्जी ओली, लश्कर ग्वालियर

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Topi Bazaar Association, Gwalior, having its office at Jiwaji Chowk**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Market Redevelopment) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

5. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

6. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

7. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature Rishi KAPOOR टोपी बाजार व्यापारी संगठन लश्कर ग्वालियर (म.प्र.)
Name :- Anay Dwivedi (IAS)	Name RISHI KAPOOR
Title:- Commissioner Commissioner Municipal Corporation Gwalior (M.P.)	Title Secatry
Date	Date 25/06/2016
Witness 1. Manish Yadav 2. Shivshankar Gaur	Witness 1. Atul Malhotra 9993257405 2. Mayuri Singh

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Gandhi Market Association, Gwalior, having its office at Jiwaji Chowk**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Market Redevelopment as Multilevel car parking) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Comissioner, Mnicipal Corporation, Gwalior

Date

Witness
1. Manish Yadav
2. Shrikant Kale GMC

For and on behalf of Second Part

Signature वास्ते गांधी मार्केट एसोसिएशन

Name अध्यक्ष/सचिव GiRdhariLal ChAwlA

Title President of Gandhi Market Association Gwalior

Date 24/6/2016

Witness
1. Megraj Singh - NSK
2. Zuheb Siddiqui, GMC

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Subhash Market Association, Gwalior, having its office at Jiwaji Chowk**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Market Redevelopment and Night Market) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

9039 (Under M.P.S.R. Act 1973)
.O.-AAATN6612K

Website- www.nctswi.org.in
Email:-md_skumar2006@yahoo.co.in
Ph.: 0751-2456226
Mob.: 09425619782
09406989519

(शिक्षा, स्वास्थ्य, कम्प्यूटर शिक्षा, महिला एवं बाल विकास में कार्यरत एक स्वयं सेवी संगठन)

निखिल कम्प्यूटर प्रशिक्षण एवं समाज कल्याण संस्थान

प्रशासनिक कार्यालय:– 37, न्यू खेड़ापति कॉलोनी, फूलबाग, जिला–ग्वालियर (म.प्र.) 474002

पत्र क्रमांक.....NCTSWI/330/2016 दिनांक.....24/6/2016

To,

The Municipal Commissioner

Gwalior Municipal Corporation

Narayan Krishna Shejwalkar Admin Building

City Centre, Gwalior (M.P.)

Sub- Letter of Support for Gwalior Smart City Intiative Undr Smart City.

Dear Sir,

It Gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in Future.

Thanking you

Sincerely

Sanjeev Bundela (President)
President
Nikhil Computer Training Avam
Social Welfare Institute, Gwalior

आरोग्यधाम
चिकित्सालय एवं अनुसंधान केन्द्र
Reg. No. 507/2/2/11

सिटी सेंटर, ग्वालियर (म.प्र.)
सम्पर्क : 2234100, 2234101
8462011201
arogyadham.gwl@gmail.com

॥ बेटी है तो कल है ॥

S. No.

Date : 24/6/16

TO,

The Muncipal Commissioner
Narayan Krishna Shejwalkjar Admin.Building,
City Center Gwalior,M.P

Sub: Letter of Support for Gwalior Smart City Initiative under smart City Mission.

Dear Sir,

It gives me immense pleasure to applaud Gwalior Muncipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative willgreatly benefit city citizens.

Further, Iam writing to express my full support to Gwaior Muncipal Corporation Gwalior Proposed "Smart City Project . its our Pleasure to be apart of the Smart City initiative and feel confident expressing my full support in future. We look forward to working with PMC in future.

Thanking you
Sincerely

24/6

Superintendent
Arogya dham Hospital & Research Center,
Gwalior (M.P.)

9425770811

रजि न 02/42/01/11379/07

फोन : 0751-2387156

(शिक्षा, स्वास्थ्य, हस्तशिल्प, तकनीकी शिक्षा एवं समाज हित में कार्यरत एक गैर सरकारी संगठन)

पीताम्बरा कला केन्द्र एवं समाज कल्याण संस्थान

पंजीकृत कार्यालय : 115, सेवानगर, ग्वालियर-474003 (म.प्र.)

पत्र क्रमांक.....

दिनांक.....

To,

The Municipal Commissioner

Gwalior Municipal Corporation

Narayan Krishna Shejwalkar Admin Building

City Centre, Gwalior (M.P.)

Sub- Letter of Support for Gwalior Smart City Intiative Undr Smart City.

Dear Sir,

It Gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in Future.

Thanking you

अध्यक्ष

Sincerely

पीताम्बरा कला केन्द्र एव
समाज कल्याण संस्था
जिला-ग्वालियर (म.प्र.)

रजि. नं. 02/42/01/16361/12

9425780118

मोबा. 09617742424

सारथी फाउण्डेशन फॉर इन्वायरमेण्ट

कार्यालय : न्यू जनकपुरी, आदित्याज होटल के पीछे, भिण्ड रोड, जिला ग्वालियर (म.प्र.) 474020

पत्र क्रमांक.....

दिनांक.....

To,

The Municipal Commissioner

Gwalior Municipal Corporation

Narayan Krishna Shejwalkar Admin Building

City Centre, Gwalior (M.P.)

Sub- Letter of Support for Gwalior Smart City Intiative Undr Smart City.

Dear Sir,

It Gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in Future.

Thanking you

Sincerely,

सचिव
सारथी फाउण्डेशन फॉर इन्वायरमेण्ट
जिला–ग्वालियर (म.प्र.)

रजि. नं. 02/42/01/16268/12

मोबा. 09406501683

महिला फुटबॉल एशोसियेशन

कार्यालय : 37, न्यू खेड़ापति कॉलोनी, फूलबाग, जिला ग्वालियर (म.प्र.) 474002

पत्र क्रमांक.....

दिनांक 24/6/2016

To,

The Municipal Commissioner

Gwalior Municipal Corporation

Narayan Krishna Shejwalkar Admin Building

City Centre, Gwalior (M.P.)

Sub- Letter of Support for Gwalior Smart City Intiative Undr Smart City.

Dear Sir,

It Gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in Future.

Thanking you

Sincerely

सचिव
महिला फुटबाल एसोसियेशन
जिला- ग्वालियर (म.प्र.)

पंजी क्रं. ग्वा. 276

विनायक शिक्षा एवं समाज कल्याण फाउण्डेशन

सागौरिया सदन, सराफा बाजार, डबरा जिला ग्वालियर (म.प्र.)

मोबा. : 9826286160

क्रमांक VSSKF/25/2016 दिनांक.....

To,

The Municipal Commissioner

Gwalior Municipal Corporation

Narayan Krishna Shejwalkar Admin Building

City Centre, Gwalior (M.P.)

Sub- Letter of Support for Gwalior Smart City Intiative Undr Smart City.

Dear Sir,

It Gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in Future.

Thanking you

Sincerely

संजीव सक्सेरिया

Date:

To,

The Municipal Commissioner
Gwalior Municipal Corporation
Naryan Krishna Shejwalkar Admin. Building,

City Center, Gwalior, M. P.

Subject: Letter of Support for Gwalior Smart City Initiative under Smart City Mission.

Dear Sir,
It gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in future.

Thanking you

Sincerely

Secretary
Deepti Shrivastava
Aadya Education & Social Welfare Society
M- 9893008200

Date:

To,

The Municipal Commissioner
Gwalior Municipal Corporation
Naryan Krishna Shejwalkar Admin. Building,

City Center, Gwalior, M. P.

Subject: Letter of Support for Gwalior Smart City Initiative under Smart City Mission.

Dear Sir,
It gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in future.

Thanking you

Sincerely

Date: 25/6/2016

To,

The Municipal Commissioner
Gwalior Municipal Corporation
Naryan Krishna Shejwalkar Admin. Building,

City Center, Gwalior, M. P.

Subject: Letter of Support for Gwaiior Smart City Initiative under Smart City Mission.

Dear Sir,
It gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitaiive for Gwalior City. I firmiy believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in future.

Thanking you

Sincerely

Principal
Blossom Convent H.S. School
Ullas Bhawar Kharapati Road
Opp. Sai Baba Mandir, Gwalior
Code No. - 142068

Date: 25/6/2016

To,

The Municipal Commissioner
Gwalior Municipal Corporation
Naryan Krishna Shejwalkar Admin. Building,

City Center, Gwalior, M. P.

Subject: Letter of Support for Gwalior Smart City Initiative under Smart City Mission.

Dear Sir,
It gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in future.

Thanking you

Sincerely

H.M.
Blossom Convent Middle School
M.L.B. Colony, Padav Gwalior

Date: 24/06/2016

To,

The Municipal Commissioner
Gwalior Municipal Corporation
Naryan Krishna Shejwalkar Admin. Building,

City Center, Gwalior, M. P.

Subject: Letter of Support for Gwalior Smart City Initiative under Smart City Mission.

Dear Sir,
It gives me immense pleasure to applaud Gwalior Municipal Corporation for its efforts as smart city imitative for Gwalior City. I firmly believe that this initiative will greatly benefit city citizens.

Further, I am writing to express my full support to Gwalior Municipal Corporation 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 PMC in future.

Thanking you

Sincerely

C S P. SHARMA
President
Education Society
Gwalior (M.P.)

MEMORANDUM OF UNDERSTANDING

This MOU is made at Gwalior on this 14 Day of Dec. 2015 between **Gwalior Municipal Corporation**, having its office at **Narayan Krishna Shejwalkar Bhavan, City Centre, Gwalior 474011**.

AND

S. K. Shakywar- Assistant Director having its office at Handloom - Tiwaji Chouck, Lashkar, Gwalior

Hereafter referred to collectively as "Parties".

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

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. Assistant Director Handloom in principal agrees to extend its support and cooperation to the Gwalior Municipal Corporation for the successful implementation of Smart City project in Gwalior

2. The Gwalior Municipal Corporation is free to pursue other agreements or collaborations of any kind.

3. SIGNED IN TRIPLICATE - This MOU is executed in triplicate with each copy being an official version of the MOU and having equal legal validity.

BY SIGNING BELOW, the parties have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature :

Name : Anay Dwivedi

Title : Commissioner, Municipal Corporation, Gwl.

Date :

Witness :

1. PAWAN SHARMA

2. Vinod Sharma

For and on behalf of Second Part

Signature : सहायक संचालक हाथकरघा जिला ग्वालियर

Name : S. K.

Title : Assistant Director Handloom Gwalior

Date : 14-12-15

Witness :

1.

2.

MEMORANDUM OF UNDERSTANDING

This MOU is made at Gwalior on this 14.12.15 Day of December 2015 between **Gwalior Municipal Corporation**, having its office at **Narayan Krishna Shejwalkar Bavan, City Centre, Gwalior 474011**.

AND

CHIEF EXECUTIVE OFFICER, SPECIAL AREA DEVELOPMENT AUTHORITY (SADA) having its office at **CITY CENTRE, GWALIOR.**

Hereafter referred to collectively as "Parties".

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

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. **CHIEF EXECUTIVE OFFICER, SPECIAL AREA DEVELOPMENT AUTHORITY (SADA)** in principal agrees to extend its support and cooperation to the Gwalior Municipal Corporation for the successful implementation of Smart City project in Gwalior.

2. The Gwalior Municipal Corporation is free to pursue other agreements or collaborations of any kind

3. **SIGNED IN TRIPLICATE -** This MOU is executed in duplicate with each copy being an official version of the MOU and having equal legal validity.

BY SIGNING BELOW, the parties have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name **ANAY DWIVEDI (IAS)**	Name Tarun Bhatnagar
Title **COMMISSIONER**	Title C.E.O. SADA
Date 14.12.15	Date 14.12.15
Witness	Witness
1. PAVAN SHARMA	1.
2. Anand	2.

Anay Dwivedi
Commissioner
Municipal Corporation, G

मुख्य कार्यपालन अधि.
सादा (ग्वालियर मेगनेट)

MEMORANDUM OF UNDERSTANDING

This MOU is made at Gwalior on this 14th Day of December 2015 between **Gwalior Municipal Corporation**, having its office at **Narayan Krishna Shejwalkar Bhavan, City Centre, Gwalior 474011**.

AND

Town & Country Planning ..... having its office at G.D.A. Building 1, Ravi Nagar Gwalior .....

Hereafter referred to collectively as "Parties".

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

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. Joint Director, Town & Country Plann.. in principal agrees to extend its support and cooperation to the Gwalior Municipal Corporation for the successful implementation of Smart City project in Gwalior

2. The Gwalior Municipal Corporation is free to pursue other agreements or collaborations of any kind.

3. **SIGNED IN TRIPLICATE -** This MOU is executed in triplicate with each copy being an official version of the MOU and having equal legal validity.

BY SIGNING BELOW, the parties have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature :

Name : Anay Dwivedi

Title : Commissioner Municipal Corporation

Date : 14/12/15

Witness :

1. Manish Yadav

2. Virendra Shukla

For and on behalf of Second Part

Signature :

Name : V. K. संयुक्त संचालक नगर तथा ग्राम निवेश जिला कार्यालय, ग्वालियर

Title : Joint Director

Date : 14/12/2015

Witness :

1.

2.

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Gorkhi Higher Sec. School, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Gorkhi Higher Sec. School, Gwalior having its office at**, Bada, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Heritage Hotel on PPP). under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name S. N. Chaudhary
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title Principal
Date	Date
Witness 1. Manish Yadav 2. Meghraj Singh - M.C. G.M.C. Gwalior	Witness 1. SK Dubey Sr. Acct. 2. Prakash Shrivastava (Acct.)

24/6/16
Commissioner
Municipal Corporation
Gwalior (M.P.)

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Gajra Raja Medical College, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Gajra Raja Medical College, Gwalior having its office at **Hospital Road, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of Smart facilities including emergency response and health care system for vulnerable

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior

Date

Witness
1. Zubeb Siddiqui
2. Meghraj Singh. M.C. G.M.C. Gwalior

For and on behalf of Second Part

Signature

Name Dr. Jyoti Bindal.

Title Prof & HOD, Obst. & Gyn.

Dr. Jyoti Bindal
Professor & Head of Deptt.
Deptt. of Obstetrics & Gynecology
Kamla Raja Hospital
Gajra Raja Medical College, Gwalior

Date 24/6/16

Witness
1.

2.

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Madhav Institute of Technology and Science, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

MITS, Gwalior having its office at**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in Technical audits and implementation of SCP

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

5. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

6. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

7. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title
Date	Date
Witness 1. Meghraj Singh - MC, GMC Gwalior 2. Shrikant Kale GMC	Witness 1. Zuleb Siddiqui, GMC 2.

Commissioner
Municipal Corporation
Gwalior (M.P.)

24/6/16

24.6.16
(Dr. R.K. PANDIT)
DIRECTOR
Madhav Institute of Technology & Science
Gwalior - 474005

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Indian Institute of Information Technology, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

IIITM, Gwalior having its office at**, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in Technical audits and implementation of SCP

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

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For and on behalf of First Part

Signature

Name AnayDivedi

Commissioner
Municipal Corporation
Gwalior (M.P.)

Title Commissioner, Gwalior, Mnicipal Corporation, Gwalior

Date 24/6/16

Witness
1.

2.

For and on behalf of Second Part

Signature

Name SAURABH DIXIT

Title NODAL OFFICER

Date 24/06/16

Witness
1. Ravinder Ravinder Dogra

2. K.P. GAUTAM

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and MP Chamber of Commerce, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

MP Chamber of Commerce, Gwalior having its office at **Acheleshwar Road, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in Redevelopment of Public Lands and necessary Infrastructure and shall exchange necessary information required for formulation, Development for land parcel being developed through ABD

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

3. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

4. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

5. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

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BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature 24/6/16	Signature
Name AnayDivedi Commissioner Municipal Corporation Gwalior (M.P.)	Name (Dr. Pravesh Agarwal)
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title MOHT. SECRETARY, C. E. Municipal Corporation & Infra. GWALIOR.
Date	Date 24.6.2016
Witness 1. Shivkant Kale CMC	Witness 1. (Suresh Gupta)

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

District Trade and Industries Center, Gwalior having its office at**, City Center, Gwalior** (herein after referred to as the "Agency") which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Gwalior SCP including proposals for Area Based Development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects under Economic Development Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION

This MOU shall remain in force for the Smart City Mission period and any such duration thereafter as mutually decided by both the parties.

5. RELATIONSHIP

Nothing in this MOU shall be construed to make either party, a partner, an agent or legal representative of the other for any purpose.

6. ASSIGNMENT

Neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party, unless otherwise defined in this MOU or agreed in written by both Parties.

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BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part	For and on behalf of Second Part
Signature	Signature
Name AnayDivedi	Name M. L. ATAL
Title Comissioner, Gwalior, Mnicipal Corporation, Gwalior	Title General Manager
Date	Date 24-6-2016
Witness 1. Zuhaib Siddiqui	Witness 1.
2. Meghraj Singh - M.C. G.M.C Gwalior	2.

24/6/16
Commissioner
Municipal Corporation
Gwalior (M.P.)

महाप्रबंधक
स्मार्ट सिटी खनार एवं उद्योग केन्द्र
ग्वालियर

MEMORANDUM OF UNDERSTANDING

Between Gwalior Municipal Corporation, Gwalior and Hotel Tansen, Gwalior

This Agreement is made at Gwalior on this **26th Day of June 2016** between **Gwalior Municipal Corporation** having its office at Narayan Krishna Shejwalkar Admin Building, City Center, Gwalior (herein after referred to as "Authority"), which expression shall where the context so admit shall include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Hereafter referred to collectively as "Parties"

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

AND WHEREAS the Authority has passed council **resolution no.73 dated 25/06/2016** to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV. After formation of SPV, all rights and obligations of the Authority will be transferred to the SPV.

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1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING

The objective of this Memorandum of Understanding (MOU) is to define areas of collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Gwalior under Government of India's Smart City Mission.

2. AREAS OF COLLABORATION

The areas of collaboration between the Authority and the Agency will be for achieving necessary convergence in extending support in implementation of full scope of projects (Heritage Hotel and Brand Gwalior) under Heritage and Culture Module in Gwalior Smart City Proposal- Round -2

3. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

Government of Madhya Pradesh Transit Oriented Development Policy

Highlights

December 2015

A. Purpose & Application of the Policy

Government of Madhya Pradesh intends to promote smart growth in urban areas to address issues related to urban development and transport in a modern and sustainable manner. The Transit-Oriented Development (TOD) concept is a growth strategy that promotes mixed-use residential and commercial areas to maximize access to public transport, and encourage transit ridership. This policy has been drafted to assist cities in implementing TOD-based developments.

This policy applies to all the urban areas of Madhya Pradesh. It will serve as a guiding tool for preparation/revision of plans, formulation/amendments of Bhumi Vikas Rules, formulation of Development Control Regulations and regulating urban development in the state. This policy shall be specifically meant for promotion and control of development around Transit Stations and along Transit Corridors in all the cities whose Comprehensive Mobility Plans have been approved.

B. Goals

1. To direct Smart Growth in Urban Areas.
2. To make Public Transport a preferable Mode of Transportation.
3. To ensure High Density and Mixed-Use Development.
4. To ensure Pedestrian Safety, Comfort and Convenience.

C. Strategies

1. Transit- Supportive Land Uses

1.1. Transit- Supportive Land Uses

- Higher Employment Densities and/or Residential Densities
- Promoting Travel Time other than Peak Periods
- Attracting reverse-flow travel on Roads and Transit Stations
- Encouraging extended hours of Activity, throughout the day and week
- Attracting Pedestrian Users and Generates Pedestrian Traffic

1.2. Mix Land Uses

- A Transit Station/Corridor Area shall allow for a mix of Residential, Employment and supporting Retail and Service Uses. The mix of Uses shall be ensured horizontally as well as vertically.
- Limit Non-Transit Supportive Land Use (Private Motorized Vehicle Activity, low-density urban form, parking areas, building isolation)

2. Densification and Mixed Income Development around Transit Stations and Corridor

2.1. Densification

- Optimize Density around Each Transit Stations/Corridors
- Minimize the Impacts of Density

2.2. Mixed Income Development

3. Ensure Connectivity and Manage Vehicular Traffic and Parking

3.1. Connectivity

3.2. Multi Modal Integration

3.3. Parking

- Reduced Parking Requirements
- Parking Placement and Parking Form complementing the pedestrian nature of the Area

3.4. Encourage Employer based Transportation Demand Management Strategies (Transit Ridership Programmes shuttle services, carpooling, flexi-time hours etc.)

4. Pedestrian and NMV-Oriented Design

4.1. Pedestrian & NMV Connectivity

- Direct connectivity for Pedestrians and Non-Motorized Vehicles up to the Transit Station/Corridor.
- Transit Station/Corridor Areas, Development Proposals incorporate identification of Primary and Secondary Pedestrian Routes.

4.2. Primary and Secondary Pedestrian Routes

- Would include wider sidewalks and Station/Corridor access Foot over Bridges/Under Passes.

4.3. Pedestrian and NMV-Oriented Design

- Promotion of cycling use and walking for short-distance daily trips through short, continuous, barrier-Free, easily navigable and designed for Local Climate NMV Routes.
- NMV Routes and bicycle routes located close to, but physically separated from a Transit Station/Corridor Vehicle drop-off zones or bus stops
- Transit Station/Corridor Area, Development Proposals shall Provide adequate Amenities for Pedestrians, Cyclist, NMT and Public Transport Users
- Buildings grouped together to allow for easy pedestrian access.

5. Place-making of Transit Station/Corridor Area

- Transforming a utilitarian Transit Node into a Community Gateway and a Vibrant Mixed-use Hub of Activity.

6. Planning with Communities in accordance with local needs.

D. Key Action Areas:

1. Land:

1.1. The Planning, Development and Regulatory Agencies shall devise efficient Land Acquisition Models.

1.2. The Planning, Development and Regulatory Agencies shall earmark a certain portion of land at affordable rates for Housing for EWS/LIG based on the TOD Rules and Regulations.

2. Finance

2.1. TOD Schemes on Government Land shall be prepared so as to mobilize Finances for Extension of Transit Services and Capital Expenses thereof by way of using Land as a Resource.

2.2. TOD Areas shall attract Private Investments in Infrastructure Development and Service Delivery through mechanisms of FAR benefits or any other possible benefit that the Regulatory authorities can give.

2.3. TOD Schemes shall give additional Revenue to the Urban Local Bodies which may be credited to a Dedicated Urban Transport Fund.

3. Infrastructure

3.1. Urban Service Delivery Agencies such as Municipal Corporation/Council, Public Transport Company etc shall ensure

- Strengthening of Trunk Infrastructure in Brown Field Transit Station/Corridor Areas so as to effect desired Mixed Use and Density Levels.
- Integrated Infrastructure and Services Systems Plan for Green Field Transit Station/Corridor Areas indicating space requirements for all Urban Services based on desired Mixed Use and Density Levels.
- The Infrastructure provisions in the Transit Station/Corridor Area Development Proposals shall ensure decentralization as far as possible

4. Establishment of Unified Mass Transit Authority

4.1. Unified Mass Transit Authority shall be established to manage Land Pool along Transit Station/Corridor Areas for Public Transport Services and Facilities and mange Public Transport, Intermediate Public Transport, Parking, Pedestrians, Non-Motorized and Vehicular Traffic along Transit Station/Corridor Areas.

राज्य शहरी पार्किंग नीति

//अनुक्रमणिका//

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Madhya Pradesh
Ambient Media Policy - 2014



Urban Administration & Development Department
Government of Madhya Pradesh

7 ADVERTISEMENT POLICY GUIDING PRINCIPLES

The guiding principles of the Outdoor Advertising Policy are as follows:

Compatibility with City	The policy will not be revenue imperative but based on city development needs.
Road Safety	Road user safety shall be of paramount importance.
Non Hazardous	The policy should ensure that outdoor media sites are not hazardous to road users.
Aesthetics	The policy should clearly discourage/limit the damage to city aesthetics and character.
Land Use	The policy should promote outdoor advertising in commercial areas of the city.
Clear Rules for shop	Establish clear guidelines between active commercial advertising and shop signageadvertising

i.) The policy shall strive to fulfill the aims and objectives of the National Urban Transport Policy, 2006.

ii.) One single nodal agency to work in an integrated manner for outdoor media management (S-UMTC at state level and C-UMTC at city level)

iii.) The policy for outdoor advertising is driven, not by revenue imperatives, but by city development imperatives. Therefore, in its implementation, it will be clear that outdoor hoardings are permitted only if they are not a road safety hazard or if they support the city's public service development and enhance its aesthetics.

iv.) The policy will explicitly work to discourage visual clutter. This will be done by increasing the space between the billboards and in restricting large billboards to select areas of the city, like its commercial hubs.

v.) The policy is designed to ensure that outdoor advertising is not hazardous to traffic. It will assume that there is a significant correlation between road safety and distraction because of roadside billboards, visible to the drivers. This will be done by allowing large size billboards only after significant distance from the traffic junctions and intersections, by providing significant space between the two billboards on roads, by completely banning billboards on pedestrian walkways and in placing billboards at significant distance from the right of way of any road.

vi.) The policy will actively promote the large size billboards in commercial areas (defined as metropolitan city centre, district centre/sub central business district, community centre/local shopping centre/convenience shopping centre in the master plan) of the city. In this case, the agency will work to maximize the revenue gains, which can be used for city development.

vii.) The policy will promote the use of advertising in what is commonly known as street furniture. These are devices placed on public service amenities of the city like railway carriages, buses, metro trains, commercial passenger vehicles, bus shelters, metro shelters, public toilets and public garbage facilities, to name a few. This is done to improve the revenue viability of these public provisions. But it will be noted that the use of advertising space is not the primary function of the utility, it is its supporting function. Therefore, the city agency will ensure that the placement of the public utility is done keeping in mind its public purpose, not its advertising viability. In addition, the agency will ensure that the primary function of the “street furniture” is being maintained and if not then suitable punitive action must be taken against the advertising concessionaire.

viii.) The policy is judicious in ensuring that there is a differentiation between the use of commercial advertising and private advertising, where signage is used to identify the location of the owner of the building or the space within the building. The policy will do this by laying down clear lists of what is allowed and what is completely disallowed to guide members of the public.

ix.) Use of latest technology for a transparent application process and effective and efficient monitoring.

x.) The policy will be put in the public domain so that it provides citizens an opportunity to intervene in cases of misuse.

8 COMPONENTS OF THE POLICY

1. Formation of Advertisement Byelaws/Rules.
2. Formation of a consolidated nodal agency for managing urban advertisement.
3. Making of a consolidated action plan for advertisement through the nodal agency.
4. Classification of Advertisements.
5. Equal opportunities to be given to all for displaying advertisements.
6. Implementation and Management of advertisement policy.
7. Renewal of Advertisement and Advertising agencies.
8. Effective Advertisement management.
9. Determination of Advertisement fee.
10. Management of funds received through the outdoor media.

9 STRATEGY FOR REALIZING POLICY OBJECTIVES

GoMP would like to achieve the following objectives through this Outdoor Media Policy for Madhya Pradesh, in compliance with NUTP:

a. Planning Objectives

b. Implementation Objectives

c. Regulatory and Management Objectives

e. To remove hazardous outdoor media spaces to ensure public safety

f. To use public land and buildings as a resource for delivering enhanced revenue potential

g. To promote display of Government advertisements on public transport infrastructure and revenue generated from the same to be accrued to C-DUTF.

h. To generate higher employment opportunities in the outdoor media sector

To meet aforesaid Planning Objectives, it is important to identify the outdoor media spaces which are preferred over the other types of media spaces. It is proposed to adopt the following hierarchy of outdoor media spaces, wherein it would be expected that the Typology A will be the most preferred Typology. Typology C, D and E would be next preferred Typology as compared to Typology A. Typology B and Typology F is independent typologies

	Typology	Description
1	Typology A	Outdoor Media Devices on Public Transport services / Street Furniture
2	Typology B	Advertising-Outdoor Media Devices on Vehicles
3	Typology C	Outdoor Media Deices on Commercial Advertising Structures
4	Typology D	Outdoor Media Devices on Public Infrastructure Services
5	Typology E	Landscape Outdoor Media Devices
6	Typology F	Self –Advertising

9.2 Strategy for Implementation Objectives

The key components of implementation are:

a. To deliver to the public better designed street furniture without tapping into government funds
b. To standardize outdoor media spaces to ensure better aesthetics, public safety, road users safety and better regulation by the municipal bodies
c. Zoning of the city for improving the safety and security of road users, city aesthetics, enhancing revenue and city infrastructure.

d. To ensure an aesthetical balance between city's natural beauty, artificial (manmade) structures and revenue benefits from outdoor media spaces
e. To use outdoor media to provide sustenance to public transport systems
f. Pilot projects: relevant agencies shall be asked to carry out pilot projects in the field of outdoor media, on successful implementation the same shall be used as benchmarks in cities across the state.
g. To save costs by promoting innovative designs and timely project implementation
h. To enable public funds to be earmarked for other commercially non-viable but socially justifiable projects by bringing in investment in the street furniture through outdoor media spaces development
i. Preparation of advertisement master plan for cities.

Outdoor media could be installed on public land or private land.

This policy proposes differential rates and methodology for development of outdoor media spaces including related street furniture as follows:

9.2.1 Private Land/ Vehicles

a. An important concern of municipal bodies and outdoor media agencies has been the valuation of revenue share. If it is set too high, it is detrimental to the growth of the industry and too low a rate leads to low revenue collection by the municipal body, leaving them with unsustainable budget as well as non-allocation of funds for regulation of outdoor media spaces.

b. The solution needs to provide inflationary hedge to collections of the municipal body from outdoor media spaces rates. Since the valuation of the land increases over a period in time, circle rates for collection of stamp duty are regularly revised. Therefore, it is decided to link the outdoor media rates with circle rates of the area. The second advantage of such situation is that this formula will also be able to capture the change in character of a particular part of the city.

c. Municipal bodies shall charge a percentage of value of land (defined in terms of circle rate) for outdoor media devices. The guideline is as follows :

Revenue Share of Municipal Body	=	% of area circle rate per year per square meter of the

9.2.2 Public Land / Vehicles

a. Bidding process would be normally adopted for allotment of media spaces and street furniture by the municipal body on land belonging to the municipal body. Hence, entire (100%) of the revenue would accrue to the municipal body.
b. For development of outdoor media spaces on land (including roads) belonging to any other government body, government agency, or government corporate entity, the municipal body shall entitled to 25% of the revenue accruing to such government entity. The government entity shall make the selection of the procurer of the outdoor media space as per procedures and process of the government entity.

The revenue share indicated in Para 2.9.3 is all inclusive and includes all relevant taxes imposed by a municipal entity such as property tax, advertisement tax etc.

As far as possible, for all new investments in outdoor media, the option of implementing the project through PPPs would be considered first. GoMP/ Municipal body would directly invest in a project only after satisfying itself that the same cannot be implemented through a PPP. GoMP / Municipal Body may seek recommendations from experts/ professional agencies on the matter. Wherever necessary, municipal body may also seek assistance of C-UMTA and or S-UMTA.

GoMP recognizes that for specific street furniture projects it may be necessary for Government of India or GoMP to extend financial support by way of equity participation, Viability Gap Fund, or other mechanisms in order to leverage the desired levels of private finance.

As far as possible international guidelines related to differently enable person shall be met or exceeded.

d. To develop an organized structure for management of outdoor media spaces within the municipal body

List of Negative Advertisements

The display of advertisement depicting/containing the following is prohibited:

I. Nudity
II. Racial Advertisements or Advertisements propagating caste community or ethnic differences;
III. Advertisement promoting drugs, alcohol, cigarette or tobacco items;
IV. Advertisements propagating exploitation of women or child;
V. Advertisement having sexual overtones;
VI. Advertisement depicting cruelty to animals;
VII. Advertisement depicting any nation or institution in poor light;
VIII. Advertisement casting aspersion on any brand or person;
IX. Advertisement banned by any law;
X. Advertisement glorifying violence;
XI. Destructive devices and explosives depicting items;
XII. Any psychedelic, laser or moving Displays;
XIII. Advertisement of weapons and related items (such as firearms, firearm parts and magazines, ammunition etc.);
XIV. Advertisement which may be defamatory, trade libelous, unlawfully threatening or unlawfully harassing;
XV. Advertisements which may be obscene or contain pornography or contain an “indecent representation of women” within the meaning of the Indecent Representation of Women (Prohibition) Act, 1986;
XVI. Advertisement linked directly or indirectly to or include description of items, goods or services that are prohibited under any applicable law for the time being in force, including but not limited to the Drugs and Cosmetics Act, 1940, the Drugs and Magic Remedies (Objectionable Advertisements) Act, 1954, the Indian Penal Code 1860; and
XVII. Any other items considered inappropriate by the Competent Authority

The State Government also proposes to set up State level Urban Mass Transit Authority (S-UMTA”) as well as city level C-UMTA. These entities are expected to play an increasingly key role in the management of cities. This role would need to

include the management of outdoor media, as well. However, at this point of time, the role envisaged for S-UMTA and C-UMTA could be advisory, since no such relevant act has come into force, which would take away the powers of municipal bodies towards regulating the Outdoor Media and transfer such powers to S-UMTA and/ or C-UMTA.

For this purpose model Bye-laws shall be prepared which shall define advertisement, outdoor media devices, relevant approvals, general requirements related to outdoor media devices, monitoring and regulation mechanism, selection of advertisement agency, terminations, offences, penalties, and jurisdiction excluded media.

The aforesaid model Bye Laws shall be expected to be adopted by various municipal bodies in the state after making suitable modification related to city aesthetics, heritage without compromising on the policy objectives set out in this Policy.

GoMP and each municipal body shall endeavor to develop a database of all outdoor media spaces in the city. The database shall be used for management of existing outdoor media spaces as well as development of new media spaces. The database will be expected to record, measure and regulate media spaces in terms of their design, shape size, location (GPS based), underlying agreements, and revenue collection status.

10 DURATION AND REVIEW OF POLICY

1. This policy would come into force with effect from the date of issue of Government Order and would be effective till the formulation of a new Outdoor Media Policy.
2. There would be a periodic review of this Policy based on a critical assessment of feedback from stakeholders, and changes in scope that are deemed necessary and desirable, would be incorporated at that stage. Such periodic review would happen every five years.

11 CITY STRATEGIES

All municipal bodies and municipal entities are required to finalize the byelaws and apply them in their city within three (3) months of the day this Policy comes into force.



E-NagarPalika: online local government

State-wide initiative for better urban management

A project under MPUIIP (GoMP and DFID Partnership)

The ambitious *E-NagarPalika*project is an innovative E-Gov reform under the partial DFID Funded MPUIIP Project and rest of the funding coming from State Govt of Madhya Pradesh.. The main objective is to bring about an IT enabled transformation of ULBs based on more efficient, effective and transparent processes leading to better citizen services and sustained revenue generation.

At present there are 378 ULBs functioning under two similar Municipal Acts with substantial commonality in terms of structure and functions. Whilst many ULBs have adopted IT systems there is no uniformity in the approach, technology and processes. This has led to the following issues and problems:

1. Numerous silo based ULB IT solutions across the State.
2. Massive duplication of effort in developing different systems for similar functions
3. Multiple technologies being deployed for the same purpose
4. Ad hoc systems prevent integration across functions and data within and between ULBs
5. Piecemeal approach has led to IT systems inheriting the inefficiencies of manual systems
6. Lack of holistic approach undermines the elimination of manual systems that remain in vogue
7. All this leads to major Inefficiencies and lack of cost effectiveness

To address these problems and to achieve greater uniformity, integration and efficiency in ULB operations it is proposed that future IT enabled transformation of ULBs is based on aCommon Integrated Web based EnterpriseResource Plan(ERP) solution. An ERP based approach has already been successfully piloted, tested and operationalized in BMC. This approach addresses the issues raised above and also provides the following additional benefits:

1. ERP systems will place a much stronger focus on the process re-engineering and data management aspects of ULB operations as compared to a bespoke system approach as followed by ULBs to date, since the software has already been thoroughly tested and proven in tens of thousands of locations in India and worldwide
2. ERP systems are inherently more scalable in terms of number of users, functions and locations given the extent of its application in India and overseas and is especially suited to organisations adopting change management processes
3. ERP is more technologically upgradable and lifetime supported by OEM
4. ERP is not vendor dependent
5. Total cost of any ERP's system over time if calculating implementation, upgrades and support is no more than non-branded/ less proven bespoke systems with no upgrade capability

The main features of the proposed E-NagarPalika ERP based solution are as follows:

1. Comprehensive and uniform ERP system for 378ULBs. More ULBs can be added as and when needed. Scalability is not a issue.
2. System being developed on SAP ERP and selected thru competitive Bidding.
3. System will be available on 24X7X 365 days basis to the citizens for on line operations.
4. Online Payment gateway will be provided to the citizens, so that they can make hassel free transactions.
5. System will have Hindi interface as well as digital signatures interface.
6. Implemented sequentially to 7 Pilot Location (Indore, Gwalior, Ujjain, Satna, Berasia, Budhni, Hoshangabad) in the first phase GO Live which has been target for 1st April 2016.
7. Remaining MCs and all other ULBs division wise Roll Out to 370 Locations in 4 Waves Likely to be completed by 31st Match 2017.

a. Wave 1 (~ 90 ULBs) - Gwalior, Jabalpur divisions
b. Wave 2 (~ 90 ULBs) – Indore, Ujjain divisions
c. Wave 3 (~ 90 ULBs) – Rewa, Sagar divisions
d. Wave 4 (~ 90 ULBs) – Rest of ULBs divisions

8. Integration of all municipal functions and services within and between ULBs
9. Adoption of standard best practices through process re-engineering
10. Optimal utilisation of state resources for networking (SWAN) and IT infrastructure storage (State Data Centre)
11. Incorporation of most competitive and appropriate licensing model
12. Project Scope Covers Hardware supply and Installation at State Data Centre, SAP ERP and other related software supply, deployment, customiation and rollout in all 378 locations in a phased manner alongwith data digitiation and Providing for 5 year post implementation maintenance support.
13. Once Implemented this will be the first of its kind in the country delivering efficient and transparent citizen services as well as Back end operations with in and across all ULBs in the State. The System will also be integrated with GIS applications and other State run applications like *SSDG - State Service Delivery Gateway ; SSSM – SamagraSamajaikSurakha Mission etc.*
14. The Scope will include all services in a ULB which will include:
    a. Property Tax
    b. Water Charges
    c. Birth Registration
    d. Death Registration
    e. Commercial License
    f. Marriage Registration
    g. User Charges (e.g. Marriage Grounds, Swimming pool)
    h. Citizen Grievances
    i. Common Services (e.g. Tree Cutting)
    j. Human Resources
    k. Payroll
    l. Fire NOC
    m. Solid Waste Management
    n. Stray Animals
    o. Street Lights
    p. Integration of ABPAS system with financial system, property tax
    q. Financial Management
    r. Accounts Receivables
    s. Accounts Payables
    t. General Ledger
    u. Fixed Assets
    v. Budget Management
    w. Court Case Management
    x. Procurement
    y. Stores and Inventory
    z. Fleet Management
    aa. Project Systems
    bb. Lease Accounting
    cc. Hoarding Management
    dd. Slum Data Management
    ee. Rental Properties
    ff. Social Security Pensions / Schemes - Old age pension, Widow Pension etc.

Summary of initiatives/projects under MPUIIP

Cluster based Municipal Solid Waste Management

The cluster based, regional Integrated Solid Waste Management (ISWM) model has been approved by State Level Executive Committee (SLEC) and the Directorate of Institutional Finance has approved £10 million (with partial funding out of the concessional loan of £5 million from DFID supported MPUIIF) for 378 ULBs which includes seven Smart City of Madhya Pradesh. The project finance structure will be converged with SBM, with 20% grant from GOI, 20% grant from State Government and the remaining 60% from private sector investment. The performance based PPP project (Design part Finance Built Operate and Transfer) is a 21 years Concession Agreement which includes smart monitoring, using technology to improve efficiency of system. The project also includes features such as waste to energy plant, affordable user charges (Rs. 30-40 for Below Poverty Line household and Rs. 60-80 for other households), using services of existing SWM workforce, vehicle differentiation to avoid mixing of rich calorific value waste with other waste, IEC activities (Environment, Health and Social campaigns) and citizen's involvement to monitor the performance of Concessionaire. The cluster based regional integrated MSW PPP pilot project has been designed and successfully implemented for two clusters which includes **Sagar** city, where waste will be collected and transported to a waste to energy processing facility and scientifically disposed to a landfill site, in accordance to MSW Rules, 2000 and other statutory obligations.

Establishment and Operationalization of Madhya Pradesh Urban Development Company Ltd. (MPUDCL)

The MPUIIP has assisted GoMP in incorporating MPUDC Ltd. a fully state government owned company and MP Urban Infrastructure Fund (MPUIF) as an urban infrastructure financing intermediary. MPUIIF has further facilitated the approval from Department of Economic Affairs, GoIfor $266 million loan from ADB with MPUDC Ltd. as the Borrower and also facilitated in approval of I$116 million loan from World Bank. The funds will be used to replicate the model PPP projects, developed by MPUIIP and further implemented by MPUDC Ltd.

Preparatory work for SMART CITIES' Special Purpose Vehicles (SPV)

MPUIIP is providing the handholding support to UADD and the seven ULBs of MP, which are being selected under Smart City Mission. MPUIIP proposed the innovative idea of an integrated institutional framework for Smart City Mission and incorporated MPUDC Ltd., as the fully owned state-level holding SPV which will be used as a channel for routing the state government's equity to all seven smart city SPVs and will have a sufficient convening power at the state level to facilitate quick approvals for speedy implementation of Smart City Project. MPUIIP is also developing an implementation advisory note for UADD which will be circulated to seven smart city focusing on institutional & functional structure, organizational structure, business processes, delegation of power, financial management and financial planning which will further help cities to establish and operationalize the SPVs.

Establishment and operationalisation of PPP Cell

MPUIIP has assisted GoMP in operationalizing the PPP Cell as per the government notification, UADD Commissioner. The PPP cell evaluates the PPP projects before the SLEC approvals.The PPP guidelines for urban infrastructure development drafted by MPUIIP is under due process of review and approval by GoMP.

PPP Policy for Urban Housing

The MPUIIP team has drafted the PPP policy for urban housing, focusing on affordable housing which has been approved by Madhya Pradesh Cabinet. MPUIIP is presently

assisting the Madhya Pradesh Housing and Infrastructure Development Board (MPHIDB) in developing a pilot PPP project for affordable housing.

Accrual based Double Entry Accounting System (DEAS) and Uniform Accounting Software

MPUIIP adopted a new approach to sustain DEAS implementation and thus instead of appointing external consultants, the TC City Finance Team directly supported ULBs. ULB staff were involved in basic activities like bank reconciliation, preparation of details for grants & fixed assets schedules and voucher entry in accounting software. All 14 ULBs prepared AFS up to 2013-14 out of which seven ULBs selected for Smart City Mission prepared AFS up to 2014-15. Further analysis of gaps and constraints in sustaining DEAS revealed that a suitable accounting software and regular technical support are the key requirements and the following key activities were proposed for developing a base for sustaining DEAS in ULBs:

1. Procurement of suitable accounting software (as a stop gap arrangement till e-Nagarpalika finance module is rolled out).
2. Regular entry of vouchers in accounting software
3. Regular reconciliation of bank accounts
4. Use of MPMAM Chart of Accounts
5. Progressive use of MPMAM voucher forms
6. On-the-job and on-the-software training to ULB staff.
7. Review and update Chart of accounts to ensure uniformity across all ULBs in the State.
8. Simplify MPMAM voucher forms for ease of use and capture required accounting information.
9. Prepare detailed checklists for guidance of ULB staff and to ensure uniformity and qualitative improvements in the financial statements.
10. Capacity building of local CAs, wherever appointed by ULBs, for AFS preparation.

Procurement of multi-user Tally license for the remaining ULBs was done to bring all the 10 small ULBs (other than Bhopal, Indore, Jabalpur, and Gwalior) to a common platform and to immediately computerize DEAS based core accounting.

- Support of the Centre for Good Governance, Hyderabad (CGG) was taken for sustaining DEAS with a customised uniform accounting software
- After As-Is study, pilot run was initiated in three ULBs - Gwalior, Burhanpur and Indore, and was further tested in another 5 ULBs – Sagar, Katni, Khandwa, Ratlam and Satna before rolling out in 13 ULBs for live run w.e.f 1st April 2015. Bhopal was excluded since ERP based MAS was already implemented.
- Technical support was provided to ULBs to improve their basic understanding about the processes leading to complete migration to DEAS
- DEAS progress was monitored regularly through review meeting at Bhopal, quarterly reports, visits to ULBs and regular follow up.
- 15 Training workshop cum troubleshooting sessions were organised, at regular intervals, in various cities for implementation of the UAS, in which over 100 people (573 person days) were imparted training on the web based accounting software.
- To reduce the dependence of ULBs on project appointed consultants, training and guidance was provided to these local CAs for preparation of AFS.
- Workshop on Budget Reforms was organized for all 16 MCs. Detailed guidance was provided on use of budget forms, improvements in budget preparation process,

provision for minimum cash surplus, Pro-poor budget and analysis on budget out turn.

- Under MPUSP, common Accounts and Finance Rules for Municipal Corporations and Municipalities were drafted to facilitate migration to accrual based double entry accounting system.
- ULB staff was involved in AFS preparatory activities and the key areas which often hindered and delayed to build their confidence.

Automatic Building Plan Approval System (ABPAS)

MPUIIP assisted in conceptualizing, designing and configured the ABPAS which has been awarded the best E-governance project in country by the Government of India in the year 2013. The system is available online and is live in 14 cities including all seven smart cities in MP. The system was developed in line with the requirement of Municipal Corporations with an aim to bring uniformity in building plan approval process. Along with the system of tracking applications, the software facilitates in digitized document management, automated scrutiny of the drawings for inaccuracy and further generate necessary alerts and related MIS reports. The success of ABPAS has steered the GoMP decision to implement the system in remaining 378 ULB's of the state.

E-Nagarpalika

E-Nagarpalika is under due process of implementation which aims to achieve a comprehensive integrated solution catering to all municipal functions in a holistic manner that will strengthen the public service delivery and back office operation. It will be deployed in 378 towns including 7 smart cities of MP state in 24 calendar months in a centralised environment. Key modules of e-nagarpalika includes; citizen service portal, property tax, birth and death registration, water supply and utilities, citizen grievance, licenses, user charges, services charges, ration card, marriage registration, slum allotment, lease rent, ULB Home page, online access application, online payment & document upload features, welfare schemes, hoarding management, accounting system, budgeting system, asset management system, revenue management, civic services management system, HR management system, inventory management system, document management and file tracking system.

The project is under deployment and is likely to go live by April 2016 in 7 pilot locations including four prospective smart cities i.e., *Indore, Gwalior, Ujjain*, and *Satna*. It will be implemented across the State by April 2017 in all 378 ULBs with a total project cost of Rs 225.73 crores where additional funds over and above DFID funds, are being provided by GoMP. Hardware rate contact delivery and payments has been processed for procured USMIS/ Microsoft Licences. Further, delivery and payment has been processed to enable roll out of USMIS state-wide.

Safe cities Initiative

The aim of the safe city initiative was to reduce the violence against women (VAW) in private and public spheres and create an evidence base effective strategies to prevent and address VAW. The following components of initiative are being implemented in 250 slums in collaboration with four municipal corporations (*Bhopal, Indore, Jabalpur* and *Gwalior*).

1. Strengthening existing and nascent women's collectives to reduce economic dependence on male family members and reduce VAW in the long term by creation of self-help-groups which were monitored using NABARD guidelines.
2. 168 women's collectives (SHG) were trained for strengthening as community forums to take action to prevent VAW and provide assistance to victim/survivors.
3. Training of 366 active SHG members were undertaken as animators to lead the actions of the groups on VAW and 1910 SHG members were trained on the aspects of gender, VAW and legal rights.
4. Youth groups were formulated and youth ambassadors were trained to create awareness about gender norms, masculinities and VAW.
5. 1898 men and boys were trained in the age group 15-25 on gender equitable norms in order to prevent VAW.
6. MSU/ULB were involved in implementation of projects which provided opportunities for hands-on training for MSU/ULB functionaries, particularly Community Development Officer, Nodal Officers, elected local representatives, etc.
7. Participatory training modules were developed for community level activities such as SHG strengthening, gender sensitization and awareness creation on VAW.
8. Community Support Agencies (CSA) were engaged through competitive bidding process which was QCBS and contract was awarded for INR 4.4 crores.
9. TA support was provided to competent local resident in all towns including core team.
10. Communication strategy and materials were designed which also includes preparation of interactive training modules, translations, illustrations and IEC materials which reached out to over 2 lakh direct and indirect beneficiaries.

Development of Geo-Spatial Database for Indore Planning Area

A Request for Proposal is floated to develop the Geo-spatial database of Indore city which will help the policy makers to manage and deliver spatial data by geographic location and further integrate this data with existing MIS. It was envisaged that GIS can help to visualize scenarios, extend intelligence, make more informed decisions and address complex urban issues related to management of assets & services. It is expected that GIS based database would act as a platform for various departments and service providers to share information and interact with the citizens. The aspects covered under this projects are:

1. Development of Geo-spatial database for Indore Planning Area
2. Three dimensional mapping of built environment of a pilot ward using mobile laser scanning technique
3. Subsurface mapping of utilities of a pilot ward using ground penetrating radar technique
4. Detailed mapping through extensive field surveys and data collection from various departments / agencies.
5. Integration with other existing modules such as ABPAS, ALPAS, etc.

Sustainable access to clean drinking water

The project aimed at reducing NRW for municipal water supply schemes and improve service levels in water sector in 5 cities of MP which includes Bhopal, Gwalior and Jabalpur.

It included interventions such as installation of domestic and commercial water meters, legalization of connections, preparation of DMAs, installation of pressure gauges, installation of bulk flow meters, and improvement in information system. The key achievement of the project is listed below:

1. Installation of 25,000 meters which covered total population of 1,69,762 out of which a population of 12180 in Bhopal, 48006 in Gwalior, 62939 in Jabalpur, 8547 in Ratlam and 38090 Katni were covered.
2. Under this project 23,181 domestic and commercial water meters have been installed for the first time in Gwalior, Jabalpur, Ratlam and Katni town. The work of leakage detection/repairs was undertaken to reduce the NRW up-to 15%.
3. In Jabalpur, about 500 connections were legalized which resulted in huge reduction in NRW and increase the revenue of ULB.
4. The supply duration of drinking water in the selected zone (DMA) in Jabalpur has increased form 2.5 -3 hrs to 4 (four) hrs and further planning is to systematically achieve 24x7 supply in pilot area.
5. The supply duration of drinking water in the selected zone (DMA) in Bhopal has increased from 1 (one) hrs every alternate day supply to 2.5 hrs daily.
6. The supply duration of drinking water in the selected zones (DMA) of Ratlam, Katni and Gwalior town has increased from the present level of 1-2 hrs/day to 4 hrs./day.
7. There has been a significant increase in water pressure after the installation of pressure gauges to monitor the pressure management system.
8. Bulk flow meters are being installed to measure the NRW.
9. Worn-out and valves were replaced to prevent the contaminated water to enter into the distribution system.
10. Impact assessment in the area was conducted and citizens were satisfied with the improved water supply system.

Urban Transport

This project aimed to provide necessary support and traction to urban transport projects in the state and covered 9 cities out of the 33 cities & towns covered under the AMRUT scheme (i.e. towns with population over 1 lakh). A work-able model for urban decongestion was structured through development of 20 Transport Nagar as identified in the state. Few of the direct benefits of said projects includes, consumer trucks re-directed to the outskirts of the town had a significant environmental impact, working condition improved for people engaged in related activities, bus terminals were developed with better lighting and amenities which benefitted all including women from a safety perspective. The proposed bus terminals also benefited the city, as bus operations within the city were structured through PPP projects which significantly benefited the lower income group, socially disadvantaged as well as other segments of the population.

Also, the bus terminal in Bhopal was upgraded through PPP project and the inter and intra city bus services were operationalized in six cities of MP which also includes Sagar. The buses have been procured for city bus operations for six cities which include Sagar. Also within the project, the bus Q shelters across inter and intra city routes of six cities (Chindwara, Guna, Burhanpur, Sagar and Katni, and Dewas) have already developed and Intelligent Transport System for six cities (Chindwara, Guna, Burhanpur, Sagar and Katni, and Dewas) is in proposal stage and will be soon implemented.

STATE WIDE IT INITIATIVES

MPOnline PORTAL

MPOnlineis a Joint venture company between the Government of Madhya Pradesh (GoMP) and TATA Consultancy Services Limited (TCS) having 10000+ Kiosks and Common Service Centres (CSCs)delivering plethora of services in all 51 districts, over 350+ tehsils of Madhya Pradesh including Bhopal (646), Gwalior (250), Jabalpur (133), Indore (351), Ujjain (165), Satna (174) and Sagar (251) through internet. MPOnlineoffers 130 G2G, G2B and G2G services related to admission into various educational boards, online assessment for recruitment, copies of land records, birth/death/caste certificates, counselling for admission into various colleges, bill payments, reservation for forest excursion booking, donation for religious services and admission process into various universities generating employment for over 10,000 citizens.

COMMON SERVICE CENTERS:

Government of Madhya Pradesh implemented CSC Scheme in Madhya Pradesh in October, 2008. This scheme is being implemented and leveraged by the State Government for delivery of G2C and B2C services through its strong network of four Service Centre Agencies (SCA), which are integrated with MPOnline.

- AISECT (Chambal, Sagar, Hoshangabad and Rewa Divisions)
- CMS Computers (Gwalior and Bhopal Divisions)
- NICT (Indore and Ujjain Divisions)
- Reliance Communications (Jabalpur Division)

Approx 9254 centers have been established and are running in PPP model.

CM HELPLINE

Telecom Department in Madhya Pradesh started a toll-free 3-digit number 181 for Phone-based grievance redressal system having 22 departments on board, providing 325 servicesintegrating Mukhyamantri Helpline and Tele-SamadhanYojana, serving as a tool for good governance and bringing transparency. Complaints or problems related to any government department could be lodged on this toll free number from cities to remote villages.

MADHYA PRADESH STATE DATA CENTER

National eGovernance Plan (NeGP) has identified State Data Centre (SDC) as one of the important element of the core infrastructure for supporting e-Governance initiatives along with State Wide Area Network (SWAN), Common Service Centre (CSC).SDC is envisioned as the Shared, reliable and secure infrastructure services centre for hosting and managing the e-Governance Applications of State and its constituent departments/ Organization.Madhya Pradesh State Data Centre (SDC) is setup to help the departments/ organization rendering IT related services by maximizing IT performance through reliable hosting, managing IT risk and providing continuous connectivity support. SDC's State-of-the-Art hosting environment along with the breadth of functionality and depth of expertise, provide secure, reliable and efficient delivery of G2G, G2C and G2B services thereby improving end-user satisfaction.

24x7x365 monitoring of network by skilled manpower, Data base administration and management services, 1 Gbps high speed redundant fibre link to

SWAN and 1Gbps high speed redundant (1+1) through NKN for internet, management of storage space and backup of user data are some of the services available to all the departments/ organization availing SDC services.

URBAN SECTOR MANAGEMENT INFORMATION SYSTEM

USMIS is the Microsoft based ERP solution which is a backbone for Decision Support System in Urban Administration and Development Department (UADD). It integrates all the ULBs and comprises of the following 2 components:

- Web-based Monitoring and Reporting (M&R) system for UADD, 7 divisional offices, 14 corporations.The broad coverage of this module are:
  - Facilitates in standardization of a single integrated performance monitoring system across Municipal Corporations, Nagar Palikas and Nagar Panchayats.
  - Sector-wide analysis, benchmarking and approach for urban development, management and planning.
  - Meeting all the standard reporting needs of ULBs towards UADD, GoMP and GOI through automatic compilation procedures.
  - Provides up-to-date, reliable and accurate data for strategic decision and policy making at the UADD level.

- Human Resource Management Information System (HRMIS) including Pension for the employees of UADD.
  - The HRMIS includes the pension database, covering all municipal employees across the state. It covers Employees database, Transfers, Promotions, Recruitment, Retirement, Training, Skill up-gradation, Pay & allowances, Leave accounting, Employee grievances etc.
  - It enables UADD and ULBs in more effective management and development of it's staff and also helps all existing and retired municipal employees in getting easy access to their pay and service related records including retirement benefits and payments.

E-Procurement

E-procurement system is a web-based system developed using open source technology Java/PHP as front end and Postgress SQL data base as back-end. The solution is developed and managed by Tata Consultancy Services with Antares Systems. This system is being used by all GoMP departments including, local bodies, Agencies, PSU's, Corporations, Universities and municipal corporations along with their vendors. The system was designed to take the procurement process to the next level through appropriate use of ICT with an aim to increase transparency, efficiency, cost savings, efffective monitoring & control, transactional effectiveness and improved accessibility.

Automated Layout Plan Approval and Scrutiny System (ALPASS)

Automated Layout Plan Approval and Scrutiny System is a web-based system developed using open source technology Java/PHP as front end and DB2 data base as back-end.ALPASS is an application system used by Town and Country Planning(TCP). TCP implemented ALPASS for districts to stregthen the decision support system for Layout/Planning permission and Landuse Certificate. The key activities performed in ALPASS system are:

- Issuing digitally signed Landuse Certificate online using the complete file movement process.
- Scrutiny of Layout online as per Development Plan guideline using BhumiVikash Rule and Concerned city Master Plan.

- Online process flow for department for issuing digitally signed Planning Permission and all communication with citizen.
- Providing MIS register to department for various reports on Daily / Monthly / Yearly basis.
- Tracking of Files and their status anytime from anywhere online.

Scrutiny of layout is the most important part of the ALPASS application.Scrutiny module works on the basis of Rule Management System that covers the Bhumi Vikas Rule, Town and Country Planning Act and Master Plan of the city.

STATE WIDE SECURITY INITIATIVES

SAFE CITY MONITORING PROGRAM

Madhya Pradesh Police is implementing Safe Cities Monitoring Program across eleven cities of the state thatincludes Bhopal, Gwalior, Indore, Jabalpur, Sagar and Ujjain from the Smart Cities. The Safe City Monitoring comprises of the following core components: a) City Security Surveillance System b) Surveillance System/Solution to be mounted on PCR vans c) Establishment of Safe City Monitoring & Response Centre at State Headquarters (Bhopal) d) Establishing CCTV Control Rooms in the cities and e) Integration of existing surveillance initiatives undertaken by the department at city/district level restricted to the cities.

In the first phase Telecom Branch of Madhya Pradesh Police, Government of Madhya Pradesh, intends to implement the system covering 820 locations inBhopal (150), Dewas (35), Gwalior (125), Indore (125), Jabalpur (125), Katni (30), Khandwa (20), Omkareshwar (20), Sagar (35), Singrauli (30) and Ujjain (125). The project in its first three years of implementation has CCTV network proposed across the following priority clusters with Bhopal, Ujjain, Dewas, Omkareshwar, Khandwa in Priority 1; Jabalpur, Katni, Sagar, Singrauli in Priority 2 and Indore, Gwalior in Priority 3

DIAL 100

State Government subscribes to the view that development and security are two faces of same coin. Perception of safety and security is very important to attract large scale investment. People feel secure only when they believe that government agencies would be readily available at their service in case of emergency. State has statutory responsibility to establish the State control room under section 41-C of code of Criminal Procedure.

In emergency, people are generally made to contact local police station or police officers to get police services. But contacting appropriate police station or right police officer is always a challenge in the present police station centric system. Hence state government has approved setting up of a state level dial 100 based police control room cum command and coordination centre at Bhopal to empower, people to connect to police and get police assistance any time, anywhere at very short "response time". This service will be comparable to legendary 9-1-1 service of United State of America.

Madhya Pradesh police is soon going to set up state level centralized dial 100 control room cum command centre in Bhopal for police related emergencies and other services to help people in distress. The proposed centre will be equipped with latest technological tools like GIS MAP for whole state, CAD (Computer aided dispatch) and GPS enabled 1000 first response vehicles to attend to handle public distress calls for services. First response vehicles will be deployed across the State. Around 6000 to 8000 police personnels will be dedicated for the service equipped with wireless Radios, CUG GSM connectivity and other model gadgets and weaponery.

As soon as a person makes a call on " 100" number, it will be received at the centre by well trained staff who will take necessary person details, incident details, and location details. Besides computer systems will also valide at the same on the basis of CLI database, GIS MAP, Vehicle database, and other information available in public domain.

The trained dispatcher would immediately dispatch nearest available one or more well equipped first response vehicle. Each vehicle will be monitored and tracked through the GPS based AVLS equipment fitted in the vehicle. Calls by women will be attended by lady staff.

Each call and each activity would be recorded on centre's voice logger and web portal of activities.

It will also be integrated with other existing emergency number like Ambulance, Fire, Women help line and Child help line etc. This software based system would also be used for preparing daily patrolling plan, picket duty, point duty, traffic management and better management of recourses in general.

When the project becomes fully operational, no complainant would be required to visit police station. Police would itself reach the person calling on "100" number. This dream project of M.P. Government would be a "Game Changer" in true sense and path maker for others.

In the next phase video feed of CCTV surveillance cameras, being installed at 2000 locations across the State will be available in control room. The proposed "command and central" room would have CCTV surveillance data feed for 30 days. It will help in identifying the culprits and nab the offenders. The electronic data would be trustworthy evidence to get conviction and protect the innocent in the Court of law.

SMART CITIES MISSION

IMPLEMENTATION GUIDELINES - SMART CITY SPVs

Madhya Pradesh Urban Infrastructure Investment Programme (MPUIIP)

12/10/2015

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1. INTRODUCTION

1.1 Smart City Mission

Cities are the most effective locations of growth for the economy of every nation, including India. Nearly 31% of India's current population lives in urban areas and contributes 63% of India's GDP. With increasing urbanization, urban areas are expected to house 40% of India's population and contribute 75% of India's GDP by 2030. This requires effective and responsive urban management institutions, processes and systems together with provision of comprehensive development of physical, institutional, social and economic infrastructure. Effective urban institutions, robust and responsive operations and management systems together with urban infrastructure are all important in improving the quality of urban life. Having them in place attracts people and investments to the City setting in motion a virtuous cycle of growth and development. Development of smart cities is a step in that direction. The proposed city level SPVs will be expected to address the issues listed above and not only be instrumental in rolling out of the Smart Cities program but to also become institutional role models for India's urban sector as a whole.

On 26th June 2015, Hon'ble Prime Minister of India launched the Smart Cities Mission with a vision to develop 100 smart cities across India with a total allocation of INR 48,000 Crores over a period starting FY 2015-16 till FY 2019-20. The Mission is being operated as a Centrally Sponsored Scheme (CSS).

The purpose of the Smart Cities Mission is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes.

- Area-based development will transform existing areas (retrofit and redevelop), including slums, into better-planned ones, thereby improving liveability of the whole City. New areas (greenfield) will be developed around cities in order to accommodate the expanding population in urban areas.
- Application of Smart Solutions will enable cities to use technology, information and data to improve infrastructure and services. Comprehensive development

in this way will improve quality of life, create employment and enhance incomes for all, especially the poor and the disadvantaged, leading to inclusive Cities.

The strategic components of Area-based development in the Smart Cities Mission are city improvement (retrofitting), city renewal (redevelopment) and city extension (greenfield development) plus a Pan-city initiative in which Smart Solutions are applied covering larger parts of the city.

The selection process for choosing thecities for participating in the Smart Cities Mission is based on the idea of competitive and co-operative federalism and follows a 'Two stage City Challenge Competition' for selection of smart cities under the mission. The first stage of the competition was undertaken by the centralgovernment to shortlist the potential candidates of smart cities from their respective states by making the cities compete on prescribed criteria. In the second stage, MoUD has invited all the shortlisted cities to develop Smart City Plans as per the mission guidelines and the proposal templates circulated by them. MoUD will evaluate these proposals and select top 20 cities as the winners for the first round while other cities will be advised to improve their proposals and compete again for the second round to be annouced next year.

At the City Level, the implementation of the Mission will be done by a Special Purpose Vehicle (SPV) created for the purpose. The SPV will plan, implement, manage and operate the Smart City development projects. The SPV can set up subsidiary SPVs or enter into Public Private Partnership models (e.g. JV, BoT, BOOT, BTO) in order to implement projects.

1.2 Smart Cities in Madhya Pradesh

As per the mission guidelines, Madhya Pradesh was alloted 7 cities under the mission. In the first round of competition, Urban Administration and Development Directorate (the nodal agency for all urban development initiatives in MP) conducted a competition between 16 Municipal Corporations of the state and shortlisted 7 cities as the candidates for second stage of competition: Indore, Bhopal, Jabalpur,

Gwalior, Ujjain, Sagar and Satna. These seven cities have prepared the Smart City Plans to compete in the second round of the competition.

1.3 Operationalization of the SPVs

This document includes the implementation guidelines for the smart cities to establish and operationalize the smart city SPVs which are key to the implementation arrangement for all the smart city projects under the mission. It is intended that this document will be used by the ULBs who emerge as winners in the second stage of city challenge competition under smart cities mission, to establish and operationalize the smart city SPVs and hence includes the advisory from the state government with respect to legal, governance and institutional arrangements as well as the key requirements for delegation of operational and financial powers, project implementation arrangements, financing strategy, business processes and operational procedures.

This document is intended to provide facilitating guidance to the ULBs while the key decisions and steps towards SPV operationalization will be taken by the ULBs (in consultation with the state government wherever required).

2. Institutional Structure and Governance Frameworks

This section will explain the proposed legal and institutional structure of the SPVs including the shareholding pattern suggested as well as the board of director's compsition to ensure stakeholder convergence from the smart city project's perspective, organization structure, staffing strategy and governance mechanisms.

2.1. Legal and institutional structure

Government of Madhya Pradesh has operationalized the Madhya Pradesh Urban Development Company Ltd. (MPUDC) as a Government Company incorporated under the Companies Act 2013 for the purposes of urban development in the State of Madhya Pradesh. The mandate of MPUDC as per the cabinet approval is to undertake detailed design, planning, financing and implementation of urban infrastructure development and municipal service delivery improvement projects in the state, including PPP structuring as well as implementation of all Externally Aided Projects.

The Board of Directors of MPUDC comprises of the Hon'ble Chief Minister as its Chairman. The Chief Secretary, Principal Secretaries of all relevant departments is its other Directors. The Managing Director of the company is Commissioner, UADD.

According to the guidelines issued by Government of India for the Smart City Mission, all selected smart cities are required to establish a city level Special Purpose Vehicle (SPV) which should be a company incorporated under the Companies Act. The company should be jointly owned by the State Government and the ULB concerned. Since the mission guidelines require the state government to provide 50% of the total equity in all the city level SPVs, it is proposed that the state government's equity may be routed through MPUDC for the sake of uniformity and administrative convergence.

Accordingly the smart city SPVs in the State of Madhya Pradesh will be established as companies incorporated under the Companies Act 2013. These companies will be jointly owned by MPUDC and the ULB concerned. While MPUDC will provide the state's contribution of equity shareholding in the SPV to the extent of fifty percent,

the respective ULB and the City Development Authority will jointly contribute remaining fifty percent of the equity shareholding. This will also enable MPUDC to be the holding company for the public investments being routed to the SPVs.

The smart city SPVs are proposed to carry out the following functions at least in addition to the functions delegated to it by the ULB at a later stage depending on requirement and mutual agreement:

- Implement and monitor the Smart City Plan with complete operational freedom and comply with the requirements of MoUD
- Undertake detailed design, planning and financial structuring of smart city projects
- Identify funds for financing the smart city projects to supplement the fixed capital grant aid provided to it.
- Undertake the complete bidding process to engage a private sector developer/operator for implementing, managing and operating smart city projects; conduct negotiations with the selected bidders and sign the project implementation arrangement
- Incorporate joint ventures and subsidiaries and enter into Public Private Partnerships as may be required
- Enter into contracts, partnerships and service delivery arrangements as may be required
- Undertake implementation monitoring and contract management for all smart city projects as well project management and financial management for the projects.
- Undertake all the necessary steps to comply with environmental and social safeguards.
- Assist the smart city project developer in seeking all due statutory clearances and approvals for timely project implementation
- Determine the key revenue streams for the projects - bill and collect user charges as authorised by the ULB.
- Disburse payments to the project operator as per the agreed schedule
- Collect taxes, cess, fee, surcharges etc as authorised by the ULB

- Report the progress on smart city project implementation to the ULB, state and central government as per mission guidelines.
- Work with the ULB and the state government for creating an enabling environment to enhance private sector participation and scale-up the smart city projects in the city – develop new ideas and solutions for smart city projects.

The mission guidelines have proposed that the smart city SPVs as agents of the ULBs dedicated to help the ULBs in SCM implementation and hence require the smart city SPVs to be operationally and functionally autonomous. In MP, the SPVs will derive their functional and operational powers from the ULB and the state government will enable the SPVs through relevant executive order(s), to operate within the overarching legal provisions under the Municipal Corporation Act and the Municipality Act and yet enable the ULBs to delegate their powers to the SPVs in an accountable manner. The details of this are shared in section 3.

2.2. Composition of Board of Directors

Each SPV will have a minimum (core) representation from MPUDC, ULB may also include representation from Development Authorities (where relevant), regional DISCOMs, TCPO, District Administration as well as other city stakeholders/ para-statals such as AICTSL (Indore), BCLL (Bhopal) etc.. In addition the SPV will need to appoint Independent Directors as per the Companies Act, 2013. An indicative board composition is mentioned below to ensure that it reflects adequate representation by all the stakeholders.

1. Collector of the District – Chairman
2. Municipal Commissioner – (in the position of Executive Director)
3. Chief Executive Officer (approved by MoUD)
4. CEO, City Development Authority
5. Elected Councillor of the ULB (nominated by the Mayor)
6. Government of India Nominee
7. Representative of PWD (not below the level of Executive Engineer)
8. Representative of PHED (not below the level of Executive Engineer)

9. Representative of Transport Department
10. Superintendent of Police posted in the city
11. Representative of Town & Country Planning Department
12. Representative of Electricity Distribution Company
13. Nominee 1 of MD, MPUDC
14. Nomine 2 of MD, MPUDC
15. Independent Directors (number to be decided after finalising the above as per the norm prescribed Company Law)

The indicative board composition reflects the representation of all the relevant government department and agencies at the state as well as city level who will have a role to play in the design and implementation of smart city proejcts as currently proposed by the 7 cities in their respective SCPs. Further, it will provide greater convening powers to the SPV at the city level and the MPUDC board will provide for similar convening powers at the state government level. This will catalyze the timely smart city project implementation by catalyzing proper inter-departmental co-ordination wherever required and avoiding any undue delays on the pretext of government approvals and clearances. Also, the proposed board composition will aid the process of convergence at the project level as suggested by the Govt of India for realizing synergy between various national and state level programmes.

It is proposed that depending on the specific types of projects taken up by the cities as pan-city interventions and area based development projects, the SPV's management should decide on the type of skill-sets they would like to bring to the board through nomination of independent directors and then plan to engage the independent directors – it is expected that independent directors would bring strong technical expertise and significant international & national experience of working on smart city projects, area based development projects, urban utility management, smart city financing and institutional aspects.

2.3. Organizational structure and staffing strategy

The city level SPV is envisaged to function in complete autonomy for implementing the Smart City Plan (SCP) under the joint oversight and guidance of the state

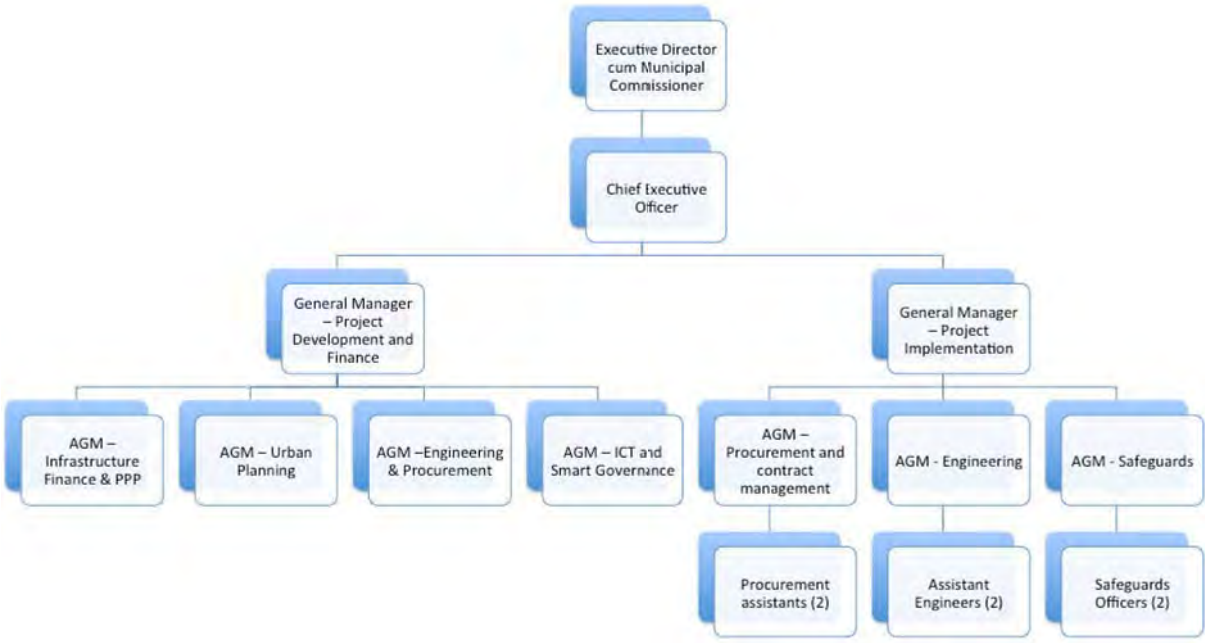
government as well as the ULB – the functional mandate of the SPVs include the following:

1. Project Development and Financing: Detailed design, planning and structuring of smart city projects as well as facilitating inter departmental coordination. This would include procurement of technical/financial consultants and transaction advisors for assisting the SPVs in DPR/ feasibility report preparation as well as PPP project structuring, capital structuring, fund sourcing for the projects from non-budgetary sources, preparation of bid documents as well as bid process management as well as developer agreement.
2. Project Implementation and O&M Monitoring: Engage the private sector for implementation of strategic area development project as well as pan city intervention for smart city, provide the necessary support to the developer/concessionaire for implementing the project such as establishing project specific SPVs as Joint Ventures between city level SPV and the private party, facilitating government approvals, statutory clearances and sanctions (including issues relating to land use classification and land availability), citizen engagement, timely disbursement of public investments committed to the projects and implementation monitoring throughout the implementation and O&M period. In addition also provide the security to the private party towards consistent, adequate and reliable revenue streams from the projects including any city level policy decisions relating to user charges or similar cost recovery mechanisms.

The functional structure of the SPV should be aligned with the functional mandate as mentioned above wherein the SPV should have separate divisions as follows:

1. *Project Development and Finance Division* – responsible for all project preparatory activities including project financing and appraisals.
2. *Project Implementation Division* – responsible for all procurement, contract award and post-award contract management activities.

Based on the overall functional structure suggested above, an indicative Organization structure could be as follows:



It is critical to understand that since most of the functions envisaged for the smart city SPV are technical in nature and need technical expertise more than administrative expertise, the market recruitment should be the preferred mode of recruitment. Based on this some key suggestions are as follows:

1. The smart city SPV will have a board of directors having representation from central, state and local government agencies including ULB, DA, TCPO, DISCOM, other city level para-statals and SPVs etc.
2. The Collector will be the non-executive chairman of the SPV who will have all the co-ordination responsibilities to ensure synergy between all the concerned departments for ensuring that the smart city implementation is carried out smoothly and timely.
3. The Municipal Commissioner will be the Executive Director of the SPV, who will have all the executive powers to carry out the operations of the SPV.
4. The CEO can either be a government nominee or a professional from the open market with relevant experience and expertise for a period of 3 years as per SCM guidelines and he will report to the Executive Director of the SPV.
5. The SPV is proposed to have 2 division heads as General Managers who will report directly to CEO and will be supported by a team of in-house technical experts.

6. The senior management can be taken on deputation from other government departments, agencies, para-statals.
7. The technical staff at the level of AGM and below should be recruited from open market.
8. For the sake of managing the company affairs, the SPV will also engage one full-time Company Secretary and one full-time Chartered Accountant.

2.4. Governance mechanism and stakeholder engagement

Governance systems

The Board of Directors of the SPV will be assisted by a Risk Management Committee, comprising its Directors supported by senior executives of the Company.This Committee will identify various risks and suggest mitigation measures in the operations, financial and market transactions which the SPV will need to carry out.

A Grant & Loan Fund Monitoring Committee will be set up to enable proper decision making and provide managerial oversight to the operations of the SPV and optimal utilization of the grant and loan amount received by it.

A nomination cum remuneration committee will also be set up for decisions relating to recruitment and remuneration of key managerial personnel and othersworking in the SPV.

2.4.1. Smart city advisory forum

In order to be in continuous engagement with the stakeholders and general public, facilitate collaboration and provide guidance in the implementation of the SCP, a Smart City Advisory Forum will be established at the city level. This will include the District Collector, MP, MLA, Mayor, CEO of SPV, local youths, technical experts, and at least one member from the area who is a,

- President / Secretary representing registered Residents Welfare Association,
- Member of registered Tax Payers Association / Rate Payers Association,

- President / Secretary of slum level federation, and
- Members of a Non-Governmental Organization (NGO) or Mahila Mandali / Chamber of Commerce / Youth Associations.

The CEO of the SPV or his nominee will be the convener of the Smart City Advisory Forum. This forum will be a key platform for stakeholder consultations, community engagement and participatory planning.

2.4.2. Board of Directors

All the keydecisions relating to the operations of the SPV and the projects of the SPV propose to implement will be taken by the Board of Directors (the composition is described earlier in this section). The Board is envisaged to have representation from all the departments and agencies as well as private sector experts as independent directors and would be the guiding force for the SPV to operate in a self-sustainable manner.

3. Delegation of Powers, Legal Mechanism and Contractual Framework

As per Smart City Mission guidelines Bhopal, Indore, Gwalior, Jabalpur, Ujjain, Sagar and Satna have identified the projects for implementation under the SCP. A quick analysis of the projects proposed suggests that under the pan city projects, a majority of them include improvement in the management of municipal solid waste (MSW), urban transport (smart ticketing, street infrastructure, signalling system, bus stops) and similar such initiatives. As part of the area based development, the projects proposed include redevelopment, retrofitting and green field development of the identified areas in these cities. The key functions and responsibilities of the SPV in the implementation of SCP are set out in Section 2.3 above. This would require devolvement of adequate powers, financial support and legal empowerment to undertake the related activities. The following section captures the aspects that may need to be considered for enablement of the SPV to undertake the same in an effective manner.

3.1 Recruitment of skilled personnel:

For the proper implementation of the SCPs, the SPVs are required to equip themselves with skilled personnel with adequate capacity to detail out the project plans, design and engineering aspects, financing plans, procurement of works, goods and services, monitoring skills, embed features requiring efficient corporate governance systems and accordingly staff recruitment needs to be planned. All the required skillsets may not be available within the existing government employees working in various departments. Therefore, government may need to give a special dispensation for recruitment of non-government employees and for this purpose permit the SPV by means of a specific notification to recruit personnel from the open market. As the nature of the projects to be built would be technology intensive,there would be substantial amount of goods and equipment supplied by different private sector vendors, It becomes important, therefore, that the technical side of the SPV personnel are suitably qualified, experienced, have necessary skillset to evaluate such goods, equipment, works and services rendered by the vendors. Public services emanating out of such technology oriented goods and equipmentmay need to be closely and efficiently monitored by the SPV. It is also important that there are a set of personnel who are well versed with government working, fund flow, its utilization and audit issues. The SPV may need to appoint suitable employees on deputation from Government departments/ULB/ parastatals for this purpose. Capacity building of ULB and other government officials is also a critical component of the SCMand the SPV personnel as practitioners and with implementing experience will play an important and active role in sharing their knowledge and render constant training tothe ULB officials and other stakeholders concerned.

Compensation and HR systems:

Keeping in view the uncommon skillsets of the employees working in the SPV especially in technology driven projects, it is felt that the remuneration and perks to the people working in the SPV may need to be market drivenand comparable to private sector employment. To this extent, government support in implementing the Board decisions may be required.

Financial management:

To ensure adequate financial management for properly overseeing implementation and smooth operations and maintenance of the assets built, SCMenvisages that it is the state/ULB's responsibility to guarantee a steady and dedicated *'revenue stream'* to the SPV. The SPV is expected to become financially self-sustaining in the longer-term and be able to raise resources from the open market. The fund flow from government is expected to be used only for creation of infrastructure for the benefit of the users. To enable these aspects, it is necessary to suitably empower the SPV to take independent decisions while carrying out the activities identified and operate with a fair amount of autonomy without referring back to the ULB or State Government each time. This will ensure more efficient functioning of the SPV and provide public services in a quicker and efficient manner.

To discharge the above functional mandates, the SPVs are required to be given powers which are otherwise vested with the concerned local, municipal and development authorities under the relevant legislations. Smart city mission guidelines suggest empowerment of SPVs to the extent and as provided under municipal acts by the state Government and ULBs. In this regard the guidelines suggests following best practices;

i. Delegating the rights and obligations of the municipal council with respect to the Smart City project to the SPV
ii. Delegating the decision making powers available to the ULB under the municipal act/Government rules to the Chief Executive Officer of the SPV
iii. Delegating the approval or decision making powers available to the Urban Development Department/Local Self Government department/Municipal Administration department to the Board of Directors of the SPV in which the State and ULB are represented.
iv. Delegating the matters that require the approval of the State Government to the State Level High Powered Steering Committee (HPSC) for smart cities.

With the above background, the following agenda is set out for consideration by GoMP.

3.1. Implementation Mechanism of SCP

For the effective implementation of the SCP the SPVs may act as Master Developers and undertake the various projects envisaged under the SCP on behalf of the ULB, parastatals, and other concerned departments of the Government. As Master Developer the SPV would be in the best position to integrate and coordinate all the necessary clearances and approvals in a well-planned and effective manner. For this purpose, a model Master Developer Agreement (MDA) could be prepared setting out clearly the roles and responsibilities of the State Government, ULB and the SPV. As the convergence of the other schemes such as AMRUT, HRIDAY, SBM, IPDS, Shelter for All, Digital India, Make in India and Skill India are critical for the success of the SCP, the SPV will need to be authorised by different government agencies to implement the various projects under the SCP. The MDA will provide the requisite rights to the SPV to undertake various activities to draw the necessary funding under different schemes, achieve convergence amongst them and implement the SCP in an effective manner. As a result of the powers and rights vested with the SPV by the State Government and the ULB, the SPV will to need enter into further agreements/MoUs with the other stakeholder government departments such as the Town & Country Planning Department, Development Authorities, PHED, Electricity Supply Company, New & Renewable Energy Department, Public Works Department, IT Department, Tourist Development Corporation, Traffic Police & Transport Department, other relevant agencies[1] and private parties.

3.2. Delegation of powers

The guidelines envisage that in order to ensure operational independence and autonomy in decision making of SPVs, the municipalities/ municipal corporations/ administrative departments/ parastatal agencies are required to delegate their powers that are necessary for implementation of the projects proposed under the SCPs. To evolve suitable frameworks for delegation of certain powers of the

[1]For instance, based on the Ujjain city SCP, the agency concerned with the preparations of the upcoming SinhasthaMela in 2016, may have to entrust the assets belonging to the Ujjain Municipal Corporation to the Ujjain Smart City Limited (SPV) for continued operations and maintenance of surveillance camers, energy efficient street lighting etc.

Government, ULBs and parastatal,the Constitution of India and relevant municipal laws viz. Madhya Pradesh Municipal Corporation Act, 1956 and Municipalities Act 1961 were examined.

Article 243W of the Constitution suggests that *"the Legislature of a State may, by law, endowmunicipalities with such powers and authority as may be necessary to enable them to function as institutions of self-governance and such law may contain provisions for the devolution of powers and responsibilities upon Municipalities…"* This means a state legislature is empowered to make laws and the law will define the details as to the powers and functions of the various organs of the government. Therefore, based on such supplementing legislation different States (Tamil Nadu, Karnataka, Delhi) have entrusted the responsibility of implementation of schemes for water supply by a statutory Board.

In the context of delegating the rights and obligations of the municipality to an SPV,it would be useful to see few of the key municipal functions that the SPV is required to perform as envisaged in the SCP. Section 66 of the Madhya Pradesh Municipal Corporation Act, 1956 details out the obligatory functions of the Corporation, where the Corporation has to make adequate provisions to the public. The obligatory functions of the Corporation include the management and maintenance of all municipal water works and construction and maintenance of new work and means for providing a sufficient supply of suitable water for the public and private purpose, construction, alteration and maintenance of public streets and disposing of night soil and rubbish or preparation of compost manure from night soil and rubbish. In addition to the functions mentioned in Section 67 of the Act, the Corporation has certain discretionary functions which includes supply, construction and maintenance of pipe and other fittings for the supply of water to private premises from water works maintained by the Corporation and supply, construction and maintenance of receptacles, fittings, pipes, and other appliances on or for the use of private premises for receiving and conducting the sewage thereof into sewers under the control of the Corporation.

What follows from the above is that in respect of state of Madhya Pradesh, it is the Municipal Corporation and Municipalities which are authorized under law to undertake the above functions. Now the question is as to what extent a Municipal Corporation can entrust these functions to an SPV.

At the outset, it may be noted that inherent legislative powers as provided in the relevant laws relating to the obligations of an ULB and a statutory parastatal (like a Water Board) cannot be delegated in its entirety. The concept of delegation has been discussed by Justice Mathew in **Gwalior Rayon Silk Manufacturing (Wvg.) Co. Ltd v. The Assistant Commissioner of Sales Tax and others** [2] **,** *"37…..Delegation is not the complete handing over or transference of a power from one person or body of persons to another. Delegation may be defined as the entrusting, by a person or body of persons, of the exercise of a power residing in that person or body of persons to another person or body of persons, with complete power of revocation or amendment remaining in the grantor or delegator…….Delegation often involves the granting of discretionary authority to another, but such authority is purely derivative. The ultimate power always remains in the delegator and is never renounced.*

Keeping the above principle in view, the Government/ULB for the implementation of the SCP, may delegate only certain functions to the SPV. Courts have made a clear distinction between delegation of legislative powers and delegation of non-legislative/administrative powers. It is held that delegation of power to legislate cannot be delegated. Non-legislative and administrative powers can be delegated to a person or body for implementation. It is held that when an agency is conferred with the power to perform a function, after exercising such power, how to implement the decision is a matter of process. The law may vest power to an agency and further implementation of the same is left to such agency. The Hon'ble Supreme

[2](1974) 4 SCC 98

Court of India on April 16, 2014[3] in a bunch of four Special Leave Petitions, observed at para 4 that *" ….So long as the essential function of decision making is performed by the **delegate**[4] the burden of performing the ancillary and clerical task need not be shouldered by the **primary delegate**……."* (emphasis added)

For instance, the city of Ujjain under its SCP has envisaged levy of an Infrastructure Development Charge on new residential and commercial buildings. The State Government may as provided in Chapter IV (Section 132-134) of the Madhya Pradesh Municipal Corporation Act, 1956, notify levy of taxes and charges by means of a notification. However, the SPV cannot levy the Infrastructure Development Charge, but it would be the Ujjain Municipal Corporation *(primary delegate)* that can do it.

In view of the foregoing, while a Municipal Corporation may entrust the performance of a function to the SPV, however, the prime responsibility will be that of the Municipal Corporation as it is its obligatory duty under the law.

[3]SLP (Civil) No. 18347/2013, 19600/2013 & 19652/2013 – Sidhartha Sawargi v. Board of Trustees for the Port of Kolkata & others, SLP(Civil) No. 19458, 19459/2013 –Universal Autocraft Pvt Ltd v. Board of Trustees for the Port of Kolkata & others

[4]In the present context, the *' primary delegate'* would be the ULB which has been vested with the power to levy tax and user charges under Section 132 and 132A respectively in the Madhya Pradesh Municipal Corporation Act, 1956

Creditworthiness Assessment of Urban Local Bodies in Madhya Pradesh

Draft Assessment of Smart Cities – Key Outputs

Procedure & Key Assumptions for Creditworthiness Assessment

- Assessing past 5 financial year (FY) income and expenditure of ULB
- Projecting cash-flows for next 10 years based on growth rate during the past 5 financial year
  - Cash-flow projections accounted for
    - pay commission revisions
    - repayment of outstanding debt & non-debt liabilities in a phased manner
    - debt servicing of new loans
    - ongoing infrastructure projects
    - contingencies and cost escalation on new investments in infrastructure
    - O&M cost of new projects
    - regular capital expenditure of ULBs
    - New Investments
      - Rs 1000 crores considered under SMART cities programme
      - Investments proposed under AMRUT programme by cities
    - grants under SMART Cities (considering 50% grants from GOI, 25% from State Government) and AMRUT programme (considering 33% grant each by GoI and GoM)
- To assess the creditworthiness (investment/ borrowing capacity) of a ULB, investments in infrastructure were increased to the extent
  - Debt Service Coverage Ratio (DSCR) remain above 1.2
  - Revenue and overall surplus remains positive on a year-on-year basis
- Creditworthiness was assessed under the following scenarios
  - Base case – Under this scenario, the ULB invests in infrastructure with grant support under schemes and through its own sources of revenues.
  - Base case (with loan) – Under this scenario, the ULB invests in infrastructure with grant support under schemes and takes loans to fund its contribution under schemes
  - Improved scenario

    Under this scenario, the ULB invests in infrastructure with grant support under schemes and takes loans to fund its contribution under schemes.

    The ULB improves its revenues by collection of outstanding amount from property tax, water tax/ charge, market revenues to the extent of 80% in next 2-3 years and through land monetization.

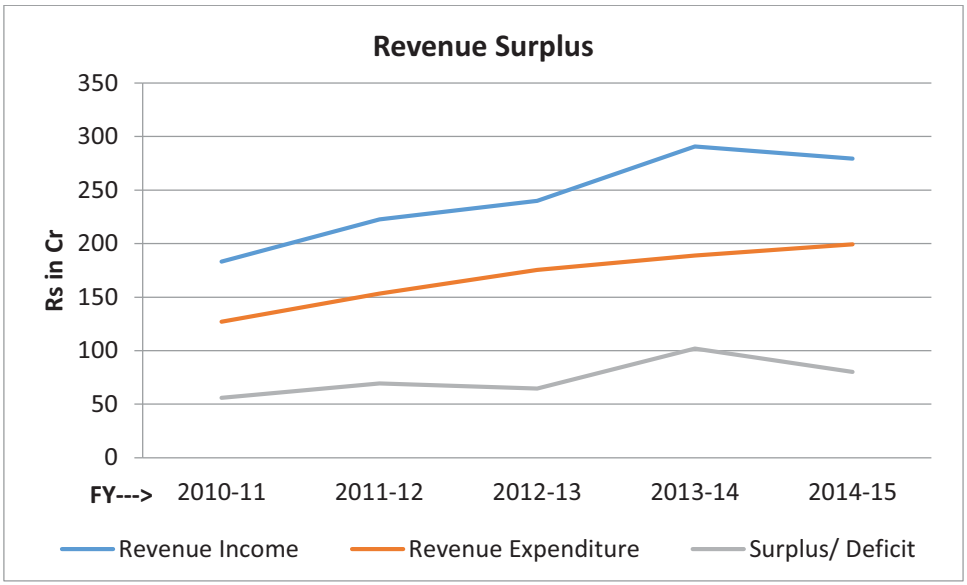
Gwalior Municipal Corporation

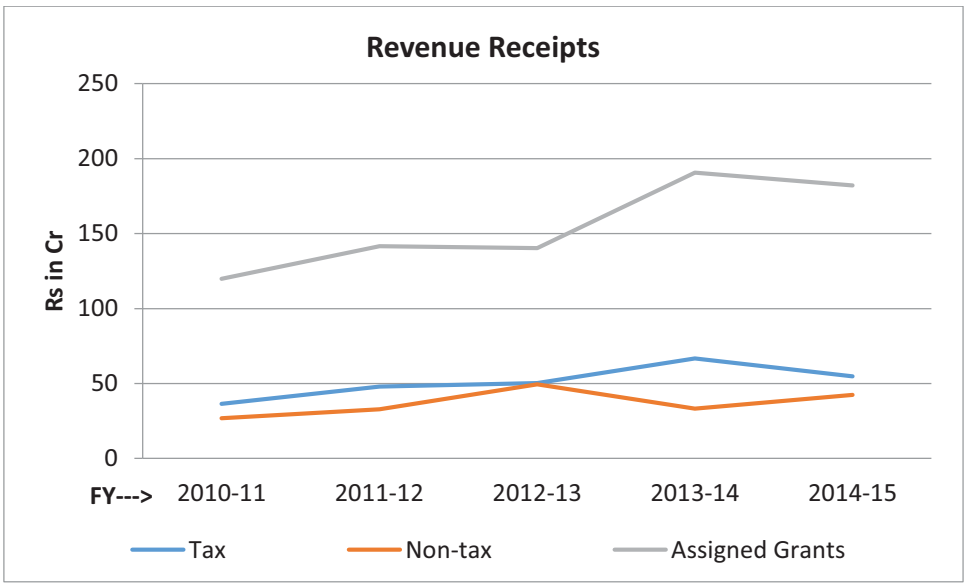
Financial Ratios

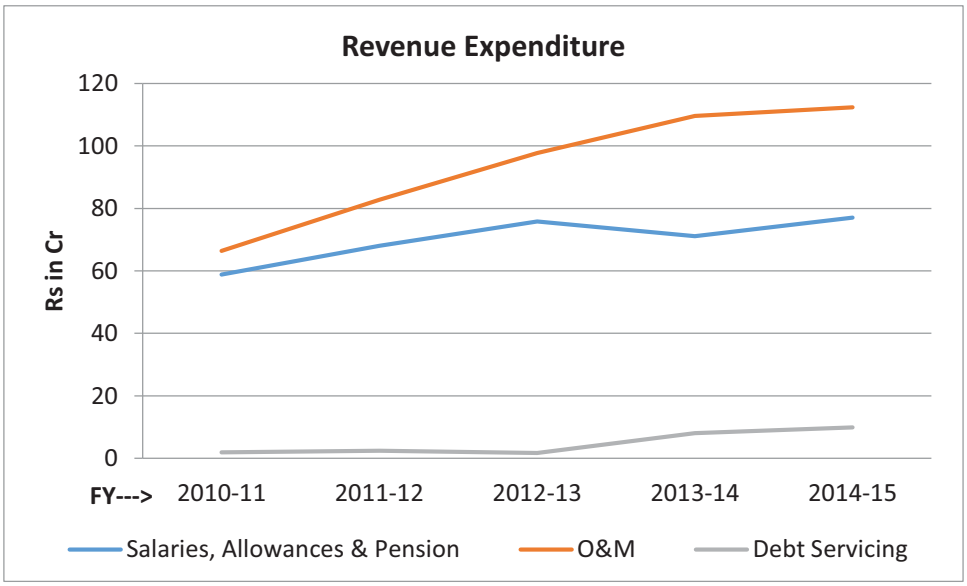
S. No	Financial Performance	Value		
		Minimum	Maximum	Average OR as on Last FY
A	**Resource Mobilisation**			
1	Per Capita Income (Rs)			**2358**
2	Source of Funds			
	Share of Taxes	20%	23%	21%
	Share of Non Taxes	11%	21%	15%
	Share of Assigned Revenues, Grants & Contributions	58%	66%	64%
3	Growth in Income Sources - CAGR			
	Growth in Taxes	-18%	33%	11%
	Growth in Non Taxes	-33%	50%	12%
	Growth in Assigned Revenues, Grants & Contributions	-4%	36%	11%
	Growth in Own Sources' Receipts	-3%	28%	11%
	Growth in Total Revenue Receipts	-4%	21%	11%
B	**Expenditure Management**			
1	Per Capita Expenditure (Rs)			**1682**
2	Functional Allocation			
	Share of Salaries & Wages	38%	46%	42%
	Share of O & M Expenditure	52%	58%	55%
	Share of Debt Servicing Expenditure	1%	5%	3%
	Share of Salaries' Expenditure to Revenue Income	24%	32%	29%
3	Growth in Items of Expenses - CAGR			
	Growth in Establishment Expenditure	-6%	16%	7%
	Growth in O & M Expenditure	3%	25%	14%
	Growth in Total Revenue Expenditure	6%	20%	12%
C	**Performance**			
1	Operating Ratio	0.65	0.73	**0.69**
2	Per-capita performance Assessment			
	Per Capita Own Income (Rs. p.a.)	592	886	780
	Per Capita Assigned Revenues, Grants & Contributions (Rs. p.a.)	1122	1651	1370
	Per Capita Salaries Expenditure (Rs. p.a.)	550	673	622
	Per Capita O&M Expenditure (Rs. p.a.)	621	949	828
D	**Property tax**			
	No. of PT Assessments			**1,95,624**
	Tax Per Assessment (Rs)	1383	1567	1477
	Population per PT Assessment (Bldgs)			6.06
	No. of properties per tax collector			2964
	Growth in Assessments (% p.a.)	2.84	4.05	3.36
	Estimated Coverage - Residential Properties			74%
	PT Arrears as % of Total Demand	59	67	62
E	**Tax/ Charges - Collection Efficiency**			
a	**Property Tax**			
	Collection Efficiency-Arrears	10%	20%	19%
	Collection Efficiency-Current	41%	60%	48%
	Collection Efficiency-Total	26%	35%	30%
b	**Water Tax/ Charge**			
	Collection Efficiency-Arrears	2%	68%	18%

		Collection Efficiency-Current	63%	70%	66%
		Collection Efficiency-Total	20%	66%	33%
	c	**Municipal Properties**			
		Collection Efficiency-Arrears	20%	41%	28%
		Collection Efficiency-Current	59%	72%	65%
		Collection Efficiency-Total	45%	59%	51%
F	**Receivables (Rs in crores)**				
	1	**Property Tax**			**61**
		Arrears			46
		Current			15
	2	**Water Tax/ Charge**			**61**
		Arrears			54
		Current			7
	3	**Municipal Properties**			**1**
		Arrears			0
		Current			0
G	**Debt and Liability Management**				
	1	Debt Liability against Revenues			
		Outstanding Debt against Own revenue sources			110%
		Outstanding Debt against revenue income			38%
	2	Debt servicing coverage ratio (DSCR)	8.68	36.11	8.68
		Debt Servicing Ratio (DSR)	0.74%	3.58%	3.58%

Performance over the past FY







Creditworthiness

	INR Crores
AMRUT Projects	650
Smart City Projects	1000
Other Projects	
Investment Need (Constant Prices)	1650
Sustainable Investment (Current)	**2078**
Grant Funding	1179
Loan	**899**
	100%

Scenario	Projects (INR crores; 2015-2021) Total	New Current	New Constant	Regular	Loan	Grants	Own Sources
			Rs in Crores				
Base	**2103**	2078	1650	25	0	1179	924
Base	**2103**	2078	1650	25	899	1179	25
Improved	**2197**	2172	1725	25	944	1229	24

Guiding Principles for
"Conservation of Heritage Building and Areas" in Madhya Pradesh

A. Background

Madhya Pradesh is endowed with rich and diverse natural, historic and cultural resources. The State is home to heritage sites of great cultural importance chronicling the history of the region. There are 167 state-designated heritage sites in Madhya Pradesh and many of them have been identified as needing conservation. Due to State's complex history, these sites are of a diverse range of styles and ages and spread over a wide terrain. Encroachment on the sites is a concern, and there is a need for greater expertise on conservation and management. Many heritage cities have faced or are facing severe hurdles in heritage conservation such as rapid pressures of urbanization, absence of proper policy, lack of appropriate legal framework, awareness and appreciation towards heritage. Paucity of technical, financial and administrative resources with the government to conserve further increase the complexities of ownership.[1]

DFID through its MPUIIP project has supported establishment of a Heritage Cell in Urban Development Department. The Cell through a yearlong research project has done extensive efforts to document the historic importance of urban heritage in four towns of Bhopal, Gwalior, Indore and Ujjain. The city wise compilation provides exhaustive references to the town history, architectural styles and listing of built heritage within the boundaries of the city. Recommendations for each city on development and conservation of the heritage are also included in the research report.

Based on findings and experiences of work done by the Heritage Cell, the Draft Guiding Principles set out below provide a broad policy foundation for heritage conservation in cities and towns of Madhya Pradesh. It will help initiate a discussion around conservation including wider community engagement, delineate roles of stakeholders and provide broad pointers for arriving at appropriate policy and institutional arrangements. They have been guided by following documents:

- The Madhya Pradesh Tourism Policy (2010) that has adopted guiding principle of " First Conservation Later Tourism" for Cultural Heritage.
- Model Heritage Regulations (2011) prepared by MoUD for protecting the Graded Heritage structures in the form of Model which can be adopted by the State Governments in their respective building regulations.
- National policy for conservation of the ancient monuments, archaeological sites and remains protected by the Archaeological Survey of India (2014)

The guiding Acts and Rules to be followed in heritage zones include:

- The Ancient Monuments and Archaeological Sites and Remains Act, 1958
- Madhya Pradesh Ancient Monuments and Archaeological Sites and Remains Act, 1964 and its Amendment 1970

[1] Largely in urban areas, major factors leading to neglect and destruction of tangible heritage could be identified as lack of regulatory control, absence of listing of heritage structures, lack of statutory powers with local authorities and absence of any budgetary provisions in their municipal budgets. Coordination between Tourism, State ASI and Urban local bodies often creates impediments for conservation related works.

- Madhya Pradesh Town and Country Planning Act, 1973
- State Archaeology Department Rules and Act 1958, 1961, 1962 and 1972

B. Draft Guiding Principles

The State is committed to development of Heritage Conservation guidelines through a participatory process to safeguard, conserve, restore, manage, and maintain the heritage of Madhya Pradesh's cities and towns while regulating interventions and development activities that may have an impact on the heritage. The points of action originating from this note are based on the following principles:

1. Heritage development of any city is not about development and conservation of few monuments, but has to be an integral part of larger strategic planning process that incorporates elements of social, economic, historic and cultural diversity
2. Historic assets, or combinations of historic assets, of any size, including historic buildings, archaeological sites, historic areas or landscapes, need to be understood and managed at different levels for different purposes
3. Madhya Pradesh considers cultural heritage as an integral part of Urban Development framework and will provide for adequate measures to ensure that Heritage Sites become integral part of Master Plans and Development Planning Process at various levels.
4. Urban Heritage resources to include Archeological and Archival sites, Built Heritage[2], Natural Heritage[3] and Cultural Heritage. Action plans at local level will appropriately incorporate all above along with intangible cultural heritage
5. Heritage sites listing should include ones notified by the Central / State Government under the Regulations and also those which are not under the purview of Archaeological Survey of India or State Archeological Departments. The list should be supplemented from time to time with due procedures for public consultation
6. Conservation approach will build further on principle of "First Conservation Later Tourism" for Cultural Heritage as highlighted in Madhya Pradesh Tourism Policy 2010
7. Heritage Conservation Committee to be formed to advise the State administration on the matters related to identification, protection, conservation and maintenance of State Heritage.
8. Develop customized criteria for listing and grading heritage buildings based on parameters including but not limited to value for architectural, historical or cultural reasons, relevance to history, architectural design features, natural heritage sites etc.
9. The DCR should take in to account larger principles of height regulations, setbacks, projections, facade control, materials and signage for heritage building. Local variations in conservation shall be guided by site specifications on critical zones around monuments, specific view corridors, regulations for heights and other conditions for upgrading design features.
10. Owners of heritage buildings and buildings in heritage precincts are integral partners to carry out regular repairs. The State shall provide for appropriate incentives for repair and maintenance for the buildings owned by them.
11. In case of notified streets, precincts, areas and natural feature areas, development permissions shall be granted in accordance with Urban Design Guidelines prescribed for respective streets, precincts / natural feature areas which can be customized to cities with advice of Heritage Conservation Committee.

[2] City /Settlement/Heritage Zone City Walls and Gates Forts/Palaces Urban Spaces/ Public Buildings Religious – Temples / Masjids/Church Wells and Baodis, Havelis and Houses Memorials and Cenotaphs

[3] Hills, Lakes, large Waterbodies, Gardens, Trees

12. The State shall prepare incentives for owners that partner to preserve heritage status of their buildings for both commercial and residential land uses. The Heritage Conservation Committee shall also spell out possibilities of compensating owners (both for Private owned heritage properties and ASI monuments) by grant of Development Rights Certificate or FSI certifications as may be feasible for urban areas in Madhya Pradesh after detailed evaluation.
13. Feasibility of a separate fund for repairs and maintenance of Heritage buildings shall be evaluated by the Heritage Commission. The fund could be used to support the cost of listing of heritage buildings/ sites and expert guidance.

OFFICE OF THE MUNICIPAL CORPORATION, GWALIOR

WORK ORDER

No.12/13/3/3/PIU/ 215 Date. 10/10 /2014

To,

M/s Ascent Brand Communications Pvt. Ltd.
40 Brijeshwari Annex, Near Bengali Square
Indore-452001 (M.P.)
Ph. +91 731-4279683

Subject: Construction of 30 Bus Stop on various Places of Gwalior, M.P under self financing Basis in lieu of Advertisement right on the Bus Stop.

The Contract for the above work Construction of 30 Bus Stop on various Places of Gwalior (as per Agreement) M.P under self financing basis in lieu of Advertisement right on the Bus Stop has been accepted by me on behalf of the Municipal Corporation Gwalior as sanctioned by the Municipal Council (Parishad), Municipal Corporation, Gwalior, Resolution No.473,dated -27/08/14 .For a concession period of 12 Years & Premium of Rs 1,65,000.00(In word Rupees One Lacs Sixty Five Thousand only) per annum.

As per contract agreement signed between your firm and Gwalior Municipal Corporation on date - 09/10/14, you are hereby requested to submit drawing, design, structure detail with specification for approval purpose, and kindly start the work and complete it within time period .

Commissioner
Municipal Corporation Gwalior

No.12/13/3/3/PIU / 216-220

Copy to:-

1. A.C, Municipal Corporation, Gwalior.
2. Account Officer, Municipal Corporation, Gwalior.
3. Nodal Officer PIU, Municipal Corporation, Gwalior.
4. Project Officer, Municipal Corporation, Gwalior.
5. Sub Engineer PIU, Municipal Corporation, Gwalior.

Commissioner
Municipal Corporation Gwalior

13/10/14

594

OFFICE OF THE MUNICIPAL CORPORATION, GWALIOR

WORK ORDER

No.1/12/2/10/PIU/304 Date. 06/12 /2014

To,

M/s Bansal and Company
Bansal kothi, 1 Nehru Nagar, Thatipur
Gwalior

Subject: Constriction and development of Multi Level Parking Building Inclusive of various Ancillary Facilities at City Center behind Salasar Gwalior.

The Contract for the above work estimate Rs 995.11 Lacs has been accepted by Municipal Corporation Gwalior at 3.15 percent above SOR as sanctioned by the Mayor in Council, Municipal Corporation, Gwalior, Resolution No.1168, dated - 14/10/14 in Rupees 10,26,45,647=00(in word Ten Crore Twenty Six Lacs Forty Five thousand Six hundred Forty Seven Rupees only).

As per contract agreement signed between your firm and Gwalior Municipal Corporation on date- /12/14, you are hereby requested to kindly start the work and complete it within time period of 15 months (including rainy season).You are submitted of Bank Guarantee only 06 month. You will have to submit of renewable bank guarantee before one month of expiry date. Your are Liable for renewal of bank guarantee to the completion time period i.e. (15 month) defect liability period is 36 month.

(आयुक्त महो. द्वारा आदेशित)

Commissioner
Municipal Corporation Gwalior

o.1/12/2/10/PIU/305-309

opy to:-

1. S.E, Municipal Corporation, Gwalior.
2. Account Officer, Municipal Corporation, Gwalior.
3. Nodal Officer PIU, Municipal Corporation, Gwalior.
4. Project Officer, Municipal Corporation, Gwalior.
5. Raju Goyal, Sub Engineer PIU, Municipal Corporation, Gwalior.

Commissioner
Municipal Corporation Gwalior

Bansal & Company

OFFICE OF THE MUNICIPAL CORPORATION, GWALIOR

WORK ORDER

No.176/14/2/10/PIU/235 Date. 27/10 /2014

To,

M/s Sai Kripa Construction Company,
Mahalgaon, City center
Gwalior

Subject: Construction of Multipurpose Sports Complex, at near Taran Pushkar, City Center Gwalior.

The Contract for the above work estimate Rs 198.30 Lacs has been accepted by me on behalf of the Municipal Corporation Gwalior at 10.56 percent below SOR as sanctioned by the Mayor in Council, Municipal Corporation, Gwalior, Resolution No.1169, dated-14/10/14 in Rupees 1,77,35,000=00(in word One Crore Seventy Seven Lacs Thirty Five Thousand Rupees only).

As per contract agreement signed between your firm and Gwalior Municipal Corporation on date- 27/10/14, you are hereby requested to kindly start the work and complete it within time period of 09 months (including rainy season).

Commissioner
Municipal Corporation Gwalior

No.176/14/2/10/PIU

Copy to:- 236-240/27/10/14

1. S.E, Municipal Corporation, Gwalior.
2. Account Officer, Municipal Corporation, Gwalior.
3. Nodal Officer PIU, Municipal Corporation, Gwalior.
4. Project Officer, Municipal Corporation, Gwalior.
5. Sub Engineer PIU, Municipal Corporation, Gwalior.

Commissioner
Municipal Corporation Gwalior

Record work order & Estimate

8.0

नगर पालिक निगम, ग्वालियर

मेयर–इन–काउंसिल

विषय :– कम्पू स्थित पुराने बस स्टेण्ड में टीन शेड के स्थान पर मल्टीलेवल पार्किंग निर्माण के व्यय की स्वीकृति बावत्।

संकल्प क्रमांक 340 दिनांक 31-05-2016

संकल्प

कम्पू स्थित पुराने बस स्टेण्ड में टीन शेड के स्थान पर मल्टीलेवल पार्किंग निर्माण हेतु व्यय की स्वीकृति के सम्बन्ध में निगमायुक्त का प्रतिवेदन क्रमांक 116/15/3/3/पी.आई.यू. सेल/3609 दिनांक 24.05.2016 एवं प्रभारी सदस्य, आवास पर्यावरण तथा लोक निर्माण विभाग द्वारा अग्रेषित दिनांक 24.05.2016 प्रस्तुत हुआ। जिसके अनुसार उक्त कार्य मैसर्स भवानी प्रसाद शर्मा की एकल निविदा दर 14.60 प्रतिशत कमी एस.ओ.आर. पर कराये जाने हेतु अनुमापन राशि रुपये 4,60,80,000/– कमी (–) 67,27,680/– कुल राशि रुपये 3,93,52,320/– के व्यय की स्वीकृति चाही गई है।

अतः विचारोपरान्त सर्व सम्मति से, निगमायुक्त के उक्त प्रतिवेदन अनुसार कम्पू स्थित पुराने बस स्टेण्ड टीन शेड के स्थान पर मल्टीलेवल पार्किंग निर्माण कार्य मैसर्स भवानी प्रसाद शर्मा की एकल निविदा दर 14.60 प्रतिशत कमी एस.ओ.आर. पर कराये जाने हेतु (नियमानुसार अतिरिक्त सिक्यूरिटी की राशि जमा कराने की शर्त पर) कुल राशि रुपये 3,93,52,320/– के व्यय की स्वीकृति प्रदान की जाती है। कार्य की गुणवत्ता एवं अनुमापन अनुसार भौतिक सत्यापन उपरान्त भुगतान किया जावे। प्रकरण में तकनीकी, गुणवत्ता एवं वित्तीय स्थिति के लिये सम्बन्धित अधिकारी उत्तरदायी रहेंगे।

निगमायुक्त नियमानुसार आवश्यक कार्यवाही करें।

V.V. Vijayvargiya

(विवेक नारायण शेजवलकर)
चेयरमैन
मेयर–इन–काउंसिल,
नगर निगम, ग्वालियर

7/15/2/10
सत्यापित निगम आयुक्त ग्वा.
KHJ

कार्यालय आयुक्त, नगर पालिक निगम, ग्वालियर

क्रमांक 17/08/3/3 नियोजन शाखा 2013 ग्वालियर, दिनांक ~~फरवरी 2013~~ 02.03.2013

कार्यादेश

प्रति,

3463
2-3-13

M/s Shree Ram Construction,
N-9, Gandhi Nagar, Padav
Gwalior

विषय :– महाराज बाडा स्थित टाउन हॉल में एकास्टिक ट्रीटमेंट, साउंड, लाईट एवं चेयर आदि कार्य अनुबंध अनुसार करने बाबत।

संदर्भ :– अनुबंध दिनांक 22.02.2013।

मेयर इन काउंसिल के संकल्प क्रमांक 757 दिनांक 13.02.2013 के अनुसार महाराज बाडा स्थित टाउन हॉल में एकास्टिक ट्रीटमेंट, साउंड, लाईट एवं चेयर आदि के कार्य हेतु रूपये 90,57,573/– की स्वीकृति प्रदान की गई है। तदानुसार आपके द्वारा दिनांक 22.02.2013 को कार्य हेतु अनुबंध संपादित किया गया है।

अतः किये गये अनुबंध एवं निविदा की शर्तो अनुसार आप तत्काल कार्य प्रारंभ करे।

संलग्न :– अनुबंध की प्रति।

आयुक्त
नगर निगम, ग्वालियर

प्रतिलिपि सूचनार्थ एवं पालनार्थ :–

01. सिटी प्लानर, नगर निगम, ग्वालियर
02. लेखाधिकारी, नगर निगम, ग्वालियर
03. श्री महेन्द्र अग्रवाल, प्रोजेक्ट आफीसर, नगर निगम, ग्वालियर
04. मैसर्स के.एल.एम. डिजाईन्स इंडिया, नई दिल्ली ग्वालियर

आयुक्त
नगर निगम, ग्वालियर

3464
3467
2-3-13

9/c

OFFICE OF THE MUNICIPAL CORPORATION, GWALIOR

WORK ORDER

No.190/13/3/3/PIU 6647 to 6652 Date. 4 /09 /2014

To,

M/s Sudershan Engineering Works
D-532 Suresh Nagar Thatipur
Gwalior

Subject: Restoration and Conservation of Old Victoria Market Maharaj Bada Gwalior, M.P.

The Contract for the above work estimate Rs 302.26 Lacs has been accepted by me on behalf of the Municipal Corporation Gwalior Quoted rate as sanctioned by the Municipal Council (Parishad), Municipal Corporation, Gwalior, Resolution No.466,dated -21/08/14 in Rupees 3,25,51,236=00 (in word Three Crore Twenty Five Lacs Fifty One Thousand Two hundred Thirty Six Rupees only).

As per contract agreement signed between your firm and Gwalior Municipal Corporation on date - 03/09/14, you are hereby requested to kindly start the work and complete it within time period of 24 months (including rainy season).

Commissioner
Municipal Corporation Gwalior
Gwalior (M.P.)

No.190/13/3/3/PIU

Copy to:-

1. S.E, Municipal Corporation, Gwalior.
2. Account Officer, Municipal Corporation, Gwalior.
3. Nodal Officer PIU, Municipal Corporation, Gwalior.
4. Project Officer, Municipal Corporation, Gwalior.
5. Sub Engineer PIU, Municipal Corporation, Gwalior.

Received 4/9/2014

Commissioner
Municipal Corporation Gwalior
Gwalior (M.P.)

कार्यालय उपसंचालक पुरातत्व अभिलेखागार एवं संग्रहालय
उत्तरी क्षेत्र ग्वालियर म. प्र.

क्रमांक /273 /स्था. /2016 ग्वालियर, दिनांक 24/06/2016

प्रति,

आयुक्त,
नगर निगम, ग्वालियर
(म.प्र.)

विषयः– स्मार्ट सिटी चैलेंज द्वितीय चरण मे शामिल होने के लिये नगर निगम ग्वालियर से एम.ओ.यू. /सपोर्ट लेटर प्रदाय करने बावत्।

संदर्भः–आपका पत्र क्र. – दिनांक 22.06.2016

––00––

उपर्युक्त विषय एवं सन्दर्भ में लेख है कि ग्वालियर क्षेत्र में स्थित पुरातत्वीय धरोहरों के नियमानुसार स्थल को छोड़कर स्मार्ट सिटी का निर्माण होता है, तो कार्यालय को कोई आपत्ति नहीं है। स्मार्ट सिटी के निर्माण होने से बाहरी एवं विदेशी दर्शक हमारे ग्वालियर क्षेत्र में स्थित प्रत्येक स्मारक पर पहुँचेगे, जिससे विभाग की आमदनी बढ़ेगी एवं दर्शकों की संख्या भी बढ़ेगी।

(एस. आर. वर्मा)
उपसंचालक
Dy. Director
Archaeology Archives & Mus.
Regional Office, Gwalior (M.P.)

Guidelines and Terms & Conditions for financial assistance from NCRPB

(A) SUBMISSION OF PROJECT REPORTS & LOAN SANCTIONING PROCEDURE

In accordance with Section 7(e) and 8 (e) of the NCRPB Act, 1985, NCRPB provides financial assistance to the constituent states and their implementing agencies for infrastructure development projects in the NCR and CMAs. Financial assistance is approved by the NCRPB's Project Sanctioning & Monitoring Group (PSMG)-I.

The projects, however, need to be in line with the Regional Plan of NCR Planning Board and the respective Subregional Plan/Master Plan prepared by the concerned State Govt. / their departments, as the case may be.

The agency seeking financial assistance need to prepare and submit Detailed Project Reports covering the technical, financial, environmental and social aspects. The environmental and social aspects need to be as per the Environment & Social Management System (ESMS) adopted by NCRPB since April 2010. As per this, the project is categorized with respect to the Environment and Social Aspect based on the duly filled Screening Checklist (format available at weblink: http://ncrpb.nic.in/downloadable.php) to be submitted by borrowing agency.

Alongside the project needs to have the necessary administrative and financial approvals of the State Govt.

The Borrowing / Implementing Agency should submit request for loan assistance in prescribed loan application alongwith three sets of Detailed Project Reports (including one advance copy to NCRPB) and a soft copy to the NCRPB Delhi through the respective NCR Planning & Monitoring Cells of the participating States. The Cells after appraising the project, in terms of its conformity with the Regional / Sub-Regional/Functional Plan and Master Plan of the town techno-eco feasibility of the project in the context of Regional Plan, submit the project report along with their observations to Board.

(B) ELIGIBLE AGENCIES TO BORROW

- State Government Departments of Urban Development/Housing or any Department/Agency of the State Government implementing infrastructure projects related to :–
  - Power,
  - Water,
  - Sewerage,
  - Road Transport (Roads & ROBs, Bus Stands, Transport Nagar etc.),
  - Drainage,
  - SWM or public Health,

  through concurrence of Finance Department of concerned State Government to get funding through State budget for specific project with Letter of Comfort (LoC). (Format of LoC as furnished by Haryana Govt. is attached for reference).
- Development Authorities / Urban Improvement Trusts.
- State Industrial Development Corporations.
- State Power authorities and distribution agencies.
- Municipal Corporation/Municipal Councils/ Notified area Committees / Nagar Nigams /Nagar Panchayats/ Nagar Palikas which are implementing the Sub-Regional Plans and the Project Plans in NCR or developing a counter-magnet town/city.

TYPE OF PROJECTS ELIGIBLE FOR FUNDING

1. **Transport Sector**: - Roads Widening/Strengthening/Tunnels/Bridges/Flyovers, Metro and RRTS etc.
2. **Water Supply and Sanitation Sector**:-
   - Water Supply (Source development/ Treatment/ storage and distribution).
   - Drainage and Sewerage Collection & Disposal/Solid Waste Management/Low Cost Sanitation etc.
3. **Power Sector**: - Generation, HT & LT Transmission and Distribution.
4. **Social Infrastructure projects**:- Hospitals, Educational institutions, Recreation Facility, Abattoir etc.
5. **Other schemes** as the Project Sanctioning and Monitoring Group (PSMG) may find compatible with the objectives of the NCR RP- 2021.

MODE OF SANCTION

- The DPRs are appraised by the available empanelled appraisal agencies/consultants and NCR Planning Board.
- The preliminary observations obtained are forwarded to implementing agencies for incorporation/revision of DPRs.
- Replies submitted by implementing agencies are discussed with Appraisal agency and implantation agency for arriving at mutual agreement on the contents/revisions required in DPRs.
- On receipt of final appraisal reports from empanelled National Institutes the projects are taken up in the Project Sanctioning and Monitoring Group (PSMG) Meeting under the chairmanship of Secretary, Ministry of Urban Development

(C) FINANCIAL TERMS AND CONDITIONS

(i) **Financing Pattern**

- Loan from NCRPB – upto **75%** of the estimated cost of the project.
- Grant-in-aid -- upto **15%** of the sanctioned project cost for water supply and sanitation projects, on completion, subject to fulfillment of terms & condition laid down by Board.
- State Govt./Implementing agency -- Remaining share.

(ii) **Present Rate of interest**

Type of Project / Category	Interest rate *
Priority Infrastructure Projects viz. Water Supply, Sewerage, Sanitation, Drainage, SWM and Roads, ROB's & Flyovers	**7.50% p.a.**
Power Sector (transmission, distribution and generation)	**7.50% p.a.**
Other Infrastructure Projects	**9.25% p.a.**

* *Incentive of **0.25%** by reduction in interest rate for timely payment of loan instalments, strictly as per repayment schedule, shall be available.*

(iii) **Repayment of Loan/Interest-** The loan alongwith interest shall be repaid by the Borrower annually on or before the anniversary date of the drawal of loan as per repayment schedule. Each instalment of loan shall be treated as separate loan for the purpose of repayment of Principal and payment of interest.

- Tenure for repayment of loan - upto 10 years.
- Moratorium period for payment of principal - upto 2 years

(**Upto 15 year loan with 3 year moratorium** for public health and environment related infrastructure sector of water supply, sewerage & sanitation including drainage, solid waste management projects).

- Moratorium period for payment of interest - Nil

(iv) **Penalty, Pre-Payment Charges, etc.**

- Penal rate of interest – 2.75% over and above the normal rate of interest for the delayed period on overdue amount.
- Prepayment Charges – 1% of the principal loan amount outstanding.

(v) **Guarantee and Securities:**

- *In case of loan to State Government* – No formal Securities only undertaking from Finance Secretary regarding appropriate provision in annual budget for repaying the loan.

- *In case of ULB / Parastatals* - Escrow Agreement, 'AND'
  State Govt. guarantee 'OR' Bank guarantee 'OR' Charge on Assets by way of mortgage/ hypothecation.

(D) **GENERAL TERMS AND CONDITIONS**

(i) In case where land acquisition is involved in project, loan will be released after confirmation about possession of land, completing ESMS requirement i.e. Initial Environment Examination (IEE) and preparation/implementation of Environment Management Plan (EMP), preparation/implementation of Short Resettlement plan as per NCRPB's ESMS and obtaining clearance from the state environment authorities and other statutory clearances.

(ii) The borrower shall maintain separate accounts of receipts and expenditure in respect of all these schemes and shall furnish to the Board every year till the loan is fully repaid.

(iii) The borrower shall not invest any part of the loan amount advanced by way of deposits, loans, share capital or otherwise, without the prior permission of the Board.

(iv) The borrower shall make available for inspection of the board and/or its nominee (s) all its books of accounts and other books and documents as mentioned by it and/or required to be maintained by it under any law, bye-laws or rules of the borrower.

(v) The funds released for one scheme should not be diverted to other scheme and the borrowing agency must maintain separate books of accounts for each scheme.

(vi) During the course of execution or on completion of the project, whichever is earlier, if the Implementing Agency comes to know that there is likely to be reduction in the sanctioned cost estimates of the various components, it shall be the obligatory on the part of the Implementing Agency to refund immediately the excess amount of loan obtained from the Board calculated on the pro-rata basis in respect of the decreased cost of the project.

(vii) The Implementing Agency shall submit periodical progress reports on monthly/quarterly basis in the prescribed form.

A CONCEPTUAL VISUALIZATION OF GWALIOR SMART CITY PROPOSAL