

Project Details: NAeG/14-15/00047

Project id -	NAeG/14-15/00047
Name of The Project	GIFT CITY COMMAND AND CONTROL CENTER (C-4)
Category of Award Applying for	Use of ICT for Development by Non-Government Institutions
Date of Launch	01-06-2013
Summary/Objective of the project	<p>Background: Gujarat International Finance Tec-City GIFT City is being developed as a global financial and IT / ITeS hub in the state of Gujarat, a first of its kind in India. GIFT has been planned as a Smart city with next class infrastructure using latest Information and Communication technologies . GIFT city will host commercial high rises buildings, quality residential housing, retail and recreational spaces . When fully operational , GIFT City aims to create 5 lacs direct and equal number of indirect employment opportunities when fully developed . The GIFT City is spread across 886 acres of land near by Gandhinagar. GIFT City has both multi service SEZ (Special Economic Zone) and DTA (Domestic tariff area) . The GIFT Project involves development of infrastructure and real estate through various activity based enclaves. GIFTCL would lease development rights for development of real estate, which would be developed by various real estate developers and end users. GIFT development area is under control of GIFT Urban Development authority. Municipal functions in GIFT area are being carried out by GIFT Notified committee (GIFTUDA GIFT URBAN DEVELOPMENT AUTHORITY). Problem faced and solution by deploying technology: Being a Smart City, GIFT City authorities are expected to proactively monitor and manage Citys Infrastructure using Information and communications technology advances for ensuring better services to the citizens .The infrastructure which need to be monitored consists of multiple utilities which are Water management system , Electrical infrastructure , automatic waste collection and recycling system , District cooling system, City occupiers safety , security and surveillance , Traffic management etc. Till now there is no readily available single hardware or software platform which can monitor and manages entire city infrastructure on a single technology platform and from a single place in the city. The newly coined term IOT or Internet of Things or Internet of everything is the promising technology which can help GIFT City to become a truly Smart City in all aspects . GIFT City is planning to carry out city infrastructure monitoring and maintenance by integration of all these utilities on a single platform which is called City Command and Control centre (C-4) . There are two parts of GIFT City Command and Control Center (C-4) . The first part (platform) will connect host all the Utilities and provide a complete view of the City Infrastructure , the second part will host CCTV Surveillance , Integration of IBMS of various building and tracking critical parameters like fire and safety , Intelligent traffic management system and PA system for handling law and order in the City . By integrating various infrastructure and Utilities by connecting them on a single fibre optic based ICT network spread across the city and by building Intelligence in every upcoming Building and Utility , GIFT City is trying to achieve following : 1.Monitor and manage the city infrastructure proactively. 2.Water supply distribution and monitoring system by using Sensors and automation build at various places across the water distribution system, all of these sensors and automation will be connected to City Command and Control centre . This connected Water system will ensure zero discharge for GIFT city 3.Ensuring zero water discharge city by effectively monitoring the water systems by implementing sensors and integrating them with City wide ICT infrastructure. 4.Managing traffic across the city by using cameras, PA (Public addressing) system, Digital Signage and touch panel based information kiosk. 5.Any disaster can be addressed by using the analytics placed on GIS based City management system which is connected to every utility, building and infrastructure by City wide Fibre optic network. 6.Better & advance healthcare facilities for citizens.</p>
Beneficiary of the project	<p>1.Proactive monitoring of Water leak detection sensors using ICT network will ensure early addressing of the problem and help in saving the water. 2.Water treatment plant sensors will ensure availability of pure, healthy & potable water across the city. 3.Monitoring of electrical infrastructure will ensure zero theft and highest uptime required for offices, business units and residents of the GIFT City. ICT based monitoring system will also help for proactive and fast resolution of consumer complaints. 4.Effective monitoring and management of waste collection system consisting of Sewage Treatment Plant (STP) & Sewage Conveyance System will help City to be Water neutral city where Waste water collected will be filtered and used at various places like</p>

irrigation of gardens , Construction of buildings and District cooling system to provide centralized air conditioning services to the Citizens of the City . 5.City wide surveillance system will ensure a safe and secured city for the Citizens .Analytics working on the Surveillance system is going to be a big help for prevention of crimes in the city . 6.Intelligent traffic and transport management system will ensure smooth & accident free traffic in the city . 7.C-4 services will help City authorities for carry out Municipal functions with the help of technology and ensure implementation of ICT driven e-Governance system. 8.Finally the C-4 solution helps to achieve the ultimate target of Smart , Green & self-sustainable city.

Details of Project Head

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Supporting documents:-

[Award Specific Form](#)

[Self Certification by the Project Head](#)