

# Smart city comes up in Vikram Udyogpuri near Ujjain



Rishabh Sethi, Executive Director, SPML Infra Ltd

**Vikram Udyogpuri is first of its kind of smart city project which will have all smart utility connected with technology for seamless services**

SPML Infra is developing its first smart city project in the state of Madhya Pradesh, called as Vikram Udyogpuri. This is part of Delhi-Mumbai Industrial Corridor (DMIC) project being developed by the Indian government as a global manufacturing and investment destination. The main objective of Vikram Udyogpuri township is to initiate industrial expansion, enabling the Pithampur-Dhar-Mhow Investment Region to prosper that will drive manufacturing growth and act as a catalyst for the growth of industrial development of the DMIC region. In addition to significant economic benefits, the project will also have a multiplier effect on the region including economic development and employment generation. The development of the integrated industrial township mainly targets non-polluting and knowledge based industries on the lines of a green city.

## Smart technology

To integrate and optimise the infrastructure in a smart city, intelligent infrastructure solutions – such as smart grids, integrated technology for water, power and gas supply and distribution management, building automation, security solutions, smart transportation, traffic control systems, communication and Information Technology are needed for seamless services. SPML will be implementing the indigenously developed Integrated Management Information System (IMIS), for smart water management and utility services. It is designed specifically as per Indian requirements and working conditions to help in developing smart water utilities. It provides technologically advance services which include GIS, network analysis, hydraulic modelling, water loss reduction through NRW and UFW management, demand management, customer relationship, financial management, and complete asset management of the system. The implementation of this system in different water utilities has resulted in significant reduction in water losses and increased revenue and service standards.

## Socio-economic benefits

The Indian government is developing the DMIC as a global manufacturing and investment destination. Vikram Udyogpuri is selected as early bird project of DMIC and is a part of development plans of Pithampur-Dhar-Mhow Investment Region, one of the 24 such regions being developed under DMIC.

Vikram Udyogpuri has been selected by the Madhya Pradesh government and DMICDC to be developed as a smart city. The idea behind smart city is to have a sustainable economic development zone consisting of manufacturing facilities for automotive and auto components, IT and engineering services integrated with institutional (public and semi-public use) and supported by residential amenities commercial and other urban facilities including supporting social and physical infrastructure.

The development of Vikram Udyogpuri is expected to attract private sector investments of around ₹ 13,000 crore. The total revenue (direct and indirect) is expected to be generated by Vikram Udyogpuri is ₹ 120,600 crore by 2040. The project is also expected to generate direct and indirect employment of around ₹ 78,000 by 2040.

## SPML's role

SPML Infra has already started the development work of smart city. The city is being developed on a total area of 1100 acres having smart infrastructures for 24/7 water supply with water treatment plant and pumping station, water supply conveyance system from Shipra river, complete sewerage network with sewage treatment plants, storm water drainage system, solid waste management system, internal and external roads of 4- and 6-lanes, power transmission and distribution system, domestic gas distribution system, street lighting, CCTV and SCADA system, safety and security system, Information and Communication Technology (ICT) network with peripheral boundary walls. Vikram Udyogpuri is first of its kind of smart city project which will have all smart utility connected with technology for seamless services.

SPML has started the development work and so far this project is developing as per the plan. "With the rich experience of executing 600 projects in water, wastewater, power, roads, and sanitation sectors, we are confident that we will be able to complete Vikram Udyogpuri project on time," assures Sethi.