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Gujarat International Finance Tec-City and the Lavasa model

he development of smart cities is a natural outcome of rapid urbanisation. Population growth in existing cities has far exceeded capacity, and new cities have to be planned to meet the requirements of the growing population as well as to augment phys-

>>urban infrastructure

The Lavasa smart city and the Gujarat International Finance Teo-City (GIFT) are two such cities which are currently being developed to incorporate the principles of "liveability" and sustainability.

Gujarat International Finance Tec-City GIFT involves the development of a hub for

financial services with a focus on activities ranging from back-office operations and information technology (IT) support to high-end jobs in evolved markets like trading and previse banking, GIFT hopes to tap 6-8 per cent of the financial services potential in India. export-oriented servicels, which will be house a multi-service special economic zone (S The area outside the SEZ will house dome financial services along with residential, er tainment, and social facilities. Besides, development of GIFT is expected to create all 1 million jobs in and around the state.

International Finance Teo-Dity Comp.
Limited (GIFTCL), incorporated by Guije
Limban Development Company Limited infrastructure Lessing and Financial ServiLimited, GIFTCL, has been formed to ji
design, develop, finance, construct, open
and mainfaila the GIFT area spread across 5
acres. The development will be located on
bank of the Satematil river in Casted on
bank of the Satematil river in Casted on
space of the Company Company Company Company
CIFTCL, would develop the Infrastruct
GIFTCL, would develop the Infrastruct

either by itself, or through special purpose cles (SPVs) such as GIFT ICT Services Limited, GIFT Waste Management Services Limited, integrated residential development, smart business environment, technology, basic infrastructure, and retail-own-environment bub.

ment of two commercial buildings in the formestic tariff area, of 29 floors each. One of hese two towers has recently been operaionalised. GIFT will also house india's largest necessional exhibition complex with a built-up area of 140,000 square metres, which will be operational 240 days a year.

The project components includes creation of a only command and control centre to monitor IT infrastructure, take live feeds, and respond to emergencie will hive feeds, and respond to emergencie will hive project integration of the objected system architecture with IT could be composed to integration of the objected system architecture with IT could be composed with technologies such as interactive read maps, automatic vehicle location and tracking system, transit node man-



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too of entimete economic scenarios.

Aley highlight for project is the integrated building management system (BMS). The buildings will have moduled structure modes of returned, respects of the excisity in design to caster to the evolved modes of femants. The system will be implicated on southorn, which will excise the central command and content excentise to central command and content of excise somewhat programs are southern to the content of the cont

geographic information system (dlS) applications in analytical modelling and simulations, design optimisation, resource consumption, conflict determination, project progress monitoring, compliance monitoring, infrastructure management, environmental monitoring, and emergency response.

The Lavasa model

Linaxia is a mid-sired oily built to take the previous size of ensigning regional congrates according or economic conridors. It is located along this Wassegnon Lake observed towards with conridor. The city will have several towards pure including Desire, Wagson, and Dhamanahole The towards will write see development across commercial offices, educated to form of the confidence of the confidence confidence of the confidence of the confidence coursely, the Desire Coursel's of the Centre is operational and minor of the infrastructure in Magner is also nearing completion. In these confidence to the confidence of the infrastructure in Magner is also nearing completion.

The smart city model has been planned in two phases. Phase I is currently under imple-

The aim is to make life in smart cities easier for residents and businesses by master planning for land use and applying the concepts of new urbanism

mentation and sock on Phase II is expected to commence by 2015-16. The business mode has four components, which are designed to be solded up in terms of errar covered and density, and to create and manage oconenic dimendrate and extensions in the form of Inveges to other regions. The city has been planned over an area of 25,000 acres across multiple town shope with a density of about 130 millior sequence feet and a appulation of crity 300,000.

In order to develop a self-sustaining city. Lavasa has been equipped with infrastructura facilities such as access roads, internal roads sewage and water treatment plants, dams telecom towers, and a server room.

real estate, oily management services, and the SFV segments. The real estate segme involves development of villas and apartment assisted housing, institutional picks, and part ing places. The filly management service security, enterprise utilities, administration cover properly management, public selely at security, enterprise utilities, administration finance, common area maintenance, ci management, and enabling support to the SFVs. The SFVs in turn will develop infrastructure in the areas of fouriers, hospitality, leave declaration, seeinge, eigenement, etc.

various technologies such as smart mi home automation devices, consolidated ing management technologis, GIS mapping global positioning system, radio frequi identification tags in buses, an integsecurity command centre, automating meing, power quality monitoring, consolic ments, and IBMS supported by centralised fleet management system data reporting and standards. The business plan also envisages provision of e-governance facilities to citizens

Lansais My City intaine has been implemented in association with OSCO and the most interested in association with OSCO and the mission metric of the most interested in association and communication section (2). This section is an extraord product of the distribution of the control of the co

Alsy feature of Liviassis list. Del Four Ottler, and certify for separation of obtainer inquisits and complaints. The services provided by the call centre for calculor on entergency and content processing of the entergency persions, single-enforce refereast of other organics, provided information distribution, data collection and management services, the call centre will also conduct persiods surveys to leap a check on the quality of services being provided. Further, plans are under may to collection and the contraction of the contraction

Going forward, the aim is to make life sammard cloice saider remidents and business es by mader planning for land use and ago cations of the concepts of new surbains, components of an eight feet life to lounder with waiking distance. Internationative needs to babit updons and managed through the rig performance outcomes. In addition, common diversity must be identified in advance. Einvatance, the promotion of public-provise ponerabige can help leverage the econombenetits accurring from the development, benefits accurring from the development these smart cloice. The greater integration LIZ took can also festionate feet seen LIZ took can also festionate feet and efforts.

Satish Kamat, Deputy City Manager, Lavad City, and Prakash Gaur, Vice-President, Gli

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