HONEYCOMB GLOBAL
INNOVATING GROWTH

Tech City Guwahati, Assam

HONEYCOMB GLOBAL HCG ELECTRONICS HUB
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Abstract

Assam is a far North Eastern state of India adjacent to the boarders of Bangladesh and Myanmar. Over 100 acres of high-tech industries is planned with a focus on solar power systems, energy storage, IoT and industry 4.0. The initial founding anchor company is a next generation LED and solar panel manufacturer, using quantum dot technology printed on to a plastic substrate. The technology is signalled to revolutionise solar power generation through a step change in efficiency and, in time as volumes increase, reduce panel cost.

Companies entering the park can take advantage of a feed of graduates from two of India's top technical Universities, the Indian Institute of Technology (IIT Guwahati) and the 2013 commissioned development of Indian Institute of Information Technology Guwahati (IIIT-G),

which by 2018 had expanded to 4 houses: Department of Computer Science and Engineering; Department of Electronics & Communication Engineering; Department of Mathematics; Department of Humanities and Social Sciences (English, Linguistics, Economics and Political Science).

It has therefore been a logical step to bring a focus onto IoT and Industry 4.0, big data & cyber security. The development offers particular advantages of a temperate climate, access to improving transport links to the East, lower costs of living than in central and southern India and generous support and incentives offered by both local and central Governments.

Tech City also benefits from being next to Guwahati International Airport, subsidized transport for goods travelling West into the core of India through the North East transport subsidy, and a customer - service oriented culture of hospitality. Tech City is a great location option for electronics systems design & manufacturing (ESDM) businesses and supporting industries such as subcontract manufacturers, plastic and steel enclosures, precision engineering, supply chain and distribution and of course, information technology enabled services (ITES) and software development.

Vision

To become the most coveted and fastest growing business/industrial & residential destination in India, with focus on providing long-standing value to our valued customers.

Mission

To create an environment that attracts investment (Foreign/Govt/Others), Detailed Project Report (DPR) For "Mega Electronics Manufacturing Cluster-Guwahati" supports industry development, and fosters cluster interactions by mobilizing stakeholders and leveraging local, regional, and national resources and assets towards building EMC capacity in Guwahati.

It may be mentioned here that, the vision statement of the project is to have a prosperous and globally significant Electronic Manufacturing Cluster that reflects the manufacturing development goal of Assam, the NE region and India as a whole and which harnesses local skills and research for the economic benefit of local companies.

History & Development

The history for the development of Tech City, Guwahati can be traced back to 1984 with the incorporation of the Assam Electronics Development Corporation Ltd. (AMTRON), a Government owned entity which became one of the first software services companies in North East India. In the 1980's and 90's, as well as producing its own software products Amtron began manufacturing electronic products through its TV assembling unit in the North East. In 2002, it became an Internet Service Provider and throughout the 2000's developed computer literacy training programs as well as developing a state Wide Area Network with the highlight of providing IT and Communication support to the 33rd Indian National Games. Amtron has, throughout, supported SMe's, the student community and supported the economic development of the region.

Tech City has its origins in initial project feasibility studies for the creation of an IT park and Electronics manufacturing park from the mid 2000's, culminating in the Tech City project, which was started in 2017 against the backdrop of the Central Government greenfield Electronics Manufacturing Cluster Scheme (EMC) along with a number of other Central policies such as M-SIPS and additional North East region economic development schemes. Amtron have also played a key role in the regional Governments development of its own electronics manufacturing stimulus policies. Given in principle approval on the 20th December 2017, the infrastructure development began in January 2018. Early developments are of the Start-up World of Innovation in Future Technologies (SWIFT), a shared 120,000 sq. ft centre and factory units developed by JnJ Powercom Systems and Simico Telecommunications (South Asia) Ltd.

A core foundation to the development of Tech City has been the formation of a joint venture between Amtron and a US company, with 75,000 sq ft facility in build. The company is a leading developer of quantum dot nanomaterials for use in major end-user markets such as displays, lighting, solar and biotech. Aiming to be in commercial volume manufacturing in the near future, the technology promises to revolutionise the solar panel industry.

The focus of Tech City is Quantum Dot Nano Crystals, Solar PV, Photonics, IoT; Robotics, Artificial Intelligence and supporting industries, covering electronics assembly (EMS), closures, software development, precision engineering and R & D organisations.

Indicative list of eligible products is provided in Appendix 2 to this document

Incentives and support available

A wide range of incentives are available from both central and local Government. Connections by the park management to financiers, banks and venture funds provides the potential for additional support. Many of the incentives are based on tax reductions, tax holidays for capital investment, rebates, supported pricing for amenities and utilities, transport and training. A good deal of flexibility is available through the tailoring of packages, so the starting point is to discuss your needs with us first, and we will do the work on establishing the best way forward.

For a glimpse of the support available, please see Appendix 1 at the end of this document (Government of Assam IT & Electronics Policy)

Please email to express your interest and for a call back to discuss your needs.

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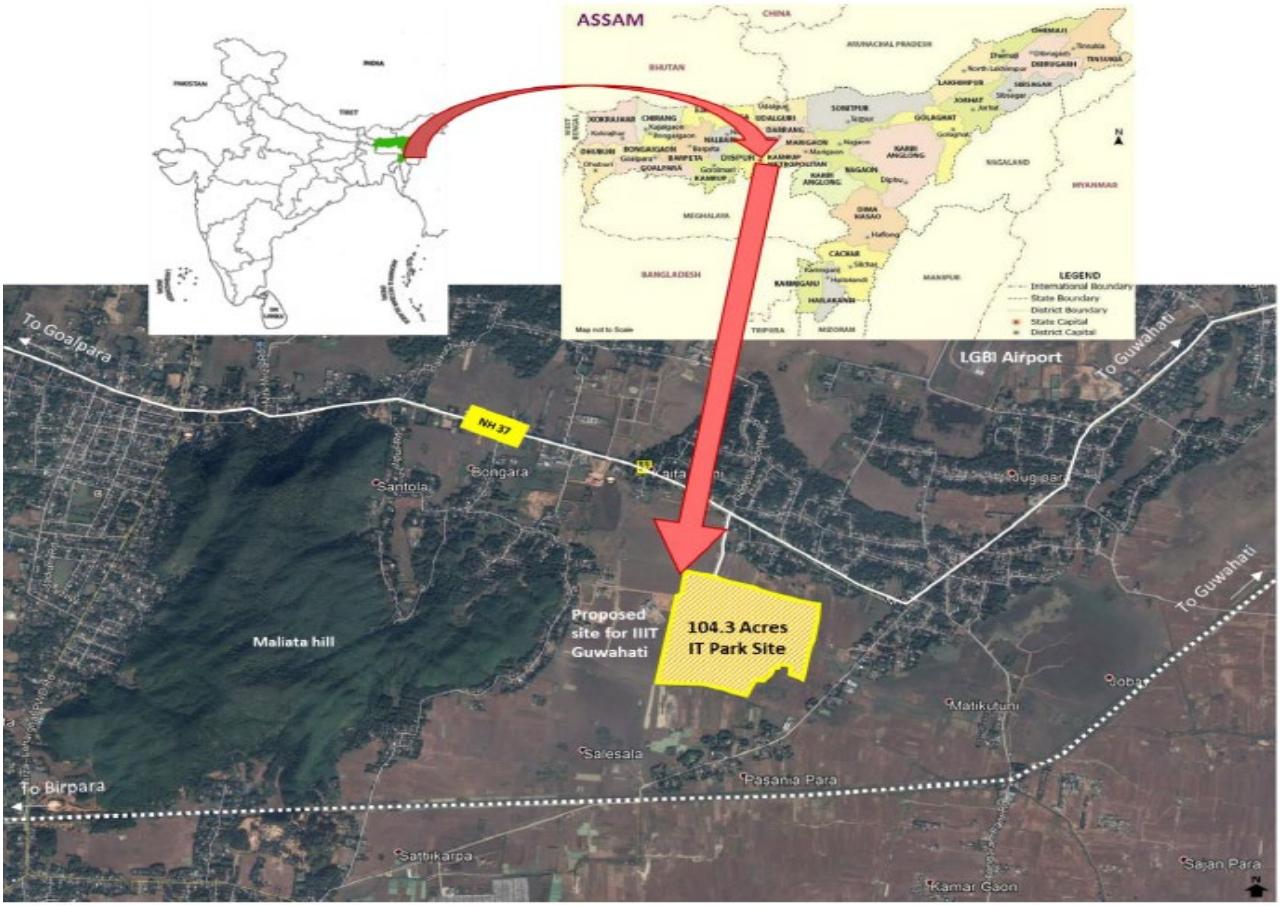

Assam takes fast track in electronic manufacturing and digital communication

In a major boost to manufacturing development goal of Assam, Union Minister of Electronics and Information Technology Ravi Shankar Prasad and State Chief Minister Sarbananda Sonowal jointly laid foundation stone for two electronics manufacturing units and a common facility centre named Start-up World of Innovation in Future Technologies (SWIFT) at Electronics Manufacturing Cluster in the Tech City at Bongara in Guwahati

SIMOCO

SIMOCO Telecommunications (South Asia) Ltd., formerly known as Philips Telecommunication Industries Limited and WEBEL Telecommunications Ltd., is one of the major technology companies in India, providing innovative solutions and implementing turn-key projects for CCTV, Surveillance and Biometric Systems, Manufacturing of SOLAR & LED Lighting System, Other SOLAR PRODUCTS, Wireless Radio Communication

Assam readying 120,000-square feet Tech City for start-ups

GUWAHATI: The Information technology wing of Assam government, Assam State Electronics Development Corporation Limited (AMTRON), is readying a 120,000-square feet Tech City for start-ups.

M K Yadava, Managing Director, AMTRON, attending the inaugural session of the ICT North East 2018 organised by CII in partnership with AMTRON and Software Technology Parks of India (STPI) Guwahati, said that facility is being built near Guwahati Airport and will be ready early next year.

He said, "Assam is going come up with the Tech Village a concept designed to help entrepreneurs and students in training and skilling. Tech Village will help people living in remote areas fulfil their dream of becoming entrepreneurs. Also, in the pipeline are a few Centres of Excellence which will benefit the youths of Assam as well as the other North Eastern States."

Nitin Khade, secretary Information Technology, Assam, said that the state government is focusing on promoting e-governance ecosystem in the state. "The State is evaluating the issue of better bandwidth. We would be approaching the Central Government soon."

Khade also invited start-ups in Assam to come up with innovative ideas in Artificial Intelligence to tackle floods. “The Assam Government will soon start work on FibreNet.”

Read more at:
https://economictimes.indiatimes.com/small-biz/startups/newsbuzz/assam-readying-120000-square-feet-tech-city-for-startups/articleshow/64979767.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

This Start-Up Nation will provide technology support to Assam’s Tech City

Tech City is in the process of development as a one-of-a-kind IT and Electronics hub.

Israel’s Ambassador to India Ron Malka on Wednesday said his country would be happy to provide necessary support for any collaboration and technology sourcing for establishing manufacturing facility setups and Research and Development institutions in Assam.

He visited Tech City, a 100-acre IT and Electronics facility set up near the Lokpriya Gopinath Bordoloi International Airport here.

Tech City is in the process of development as a one-of-a-kind IT and Electronics hub here and many national and global entrepreneurs have shown their keen interest in setting up various manufacturing facilities and educational and training setups in the park. It is expected to boost the IT industry of the state and bring in employment opportunities for the youths of the state.

APPENDIX 1

Indicative list of eligible products

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Indicative list of eligible products

Focus 1 - Solar products manufacturing and assembly

- Solar cell/panel base construction
- Solar cell nano materials
- Power supply products including switch mode power supplies
- Inverters and power management modules
- Control modules for positioning
- Motors
- Smart reporting and IT network connected modules
- Wiring and harness systems
- Motor control modules
- Motor control systems
- Sensors
- Energy storage systems electronic control and power modules
- Energy storage device assemblies
- Light metalwork and pressings for cases, frameworks
- Plastic moulding for cases and frameworks
- Terminals and connectors/connector systems
- Temperature and light monitors
- Weather stations
- REF/radio/wireless modules
- Hybrid power system electronic controllers
- Cyber security software systems
- AI software and firmware for systems networking, preventative maintenance, system optimisation

Focus 2 - Smart Meter

- Modules for IT connectivity
- Electronic control units
- Casing
- Assemblies
- Valves & flow meters (gas, water)

- Power supply products including switch mode power supplies
- Displays
- Wiring and harness systems
- Light metalwork and pressings for cases, frameworks
- Plastic moulding for cases and frameworks
- Terminals and connectors/connector systems
- Temperature monitors
- RF/radio/wireless modules
- Cyber security software systems
- AI software and firmware for systems networking, preventative maintenance, system optimisation
- Digital payment systems

Focus 3 - Internet of Things (IoT) and Network Products etc

Focus on Industry 4.0, smart city/infrastructure/building

- Wired connectivity modules
- RF/radio/wireless modules
- Gateway security modules
- Temperature sensors
- Proximity sensors
- Pressure sensors
- Water quality sensors
- Chemical sensors
- Gas sensors
- Smoke sensors
- Ir sensors
- Level sensors
- Image sensors & Cameras
- Motion detection sensors
- Humidity sensors
- Optical sensors
- Electronic control units

- Assemblies
- Valves, switching products, flow meters
- Motor control
- Motors
- Power supply products including switch mode power supplies
- Displays
- Wiring and harness systems
- Light metalwork and pressings for cases, frameworks
- Plastic moulding for cases and frameworks
- Terminals and connectors/connector systems
- Power supply products including switch mode power supplies

Sector specific examples of end products Smart City

- Street lighting
- Traffic management & flow (traffic signals, parking etc)
- Environmental monitoring and control
- Building management
- Security systems

Sector Specific examples Industry 4.0

- Energy efficient process optimisation
- Remote maintenance monitoring
- Holistic quality and process control
- Logistics and distribution
- Mass customisation

ESDM

- Sensors
- Solar cells/panels
- Power supply and power management products
- Wired and wireless connectivity
- Power storage
- Intelligent control boards (which can incorporate Artificial Intelligence)

- Digital motors, valves and switching devices
- Wiring and connector systems
- Plastic injection moulding
- Light metalwork and fabrication
- Final assembly and sub assembly
- Installation

APPENDIX 2

Government of Assam Information Technology and Electronic Policy Assam, 2017 (follow link below)

https://it.assam.gov.in/sites/default/files/swf_utility_folder/departments/it_dept_webcomindia_org_oid_2/portlet/level_1/files/IT-Policy%202017.pdf