



Confederation of Indian Industry



सत्यमेव जयते
Government of Gujarat



Gujarat Knowledge Application & Facilitation Centre (GKAFC)

(A Centre of Excellence by CII, Government of Gujarat & Gujarat NRE)

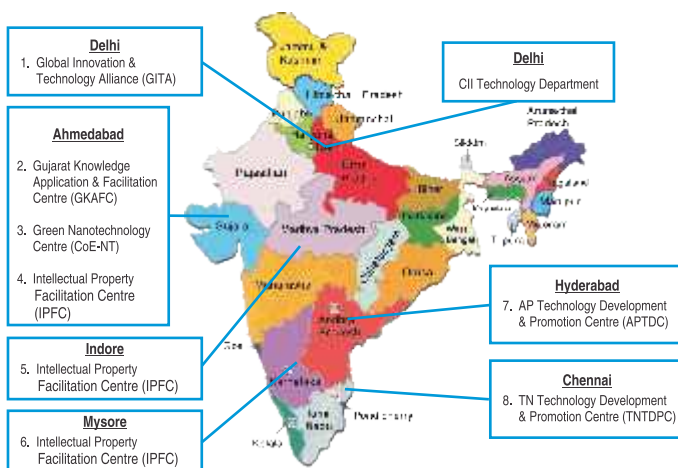


Background:

CII's journey in the areas of technology and innovation started in early nineties with its first National Committee on Technology chaired by Dr APJ Abdul Kalam. CII envisioned the fact that one of the key enablers for sustained growth of industry and its global leadership is technology and innovation. Over the past two decades, CII's technology and innovation work has expanded multi-fold, into Higher Education, industrial R&D, industrial design, Intellectual Property Rights, innovation, entrepreneurship, university industry collaborations etc.

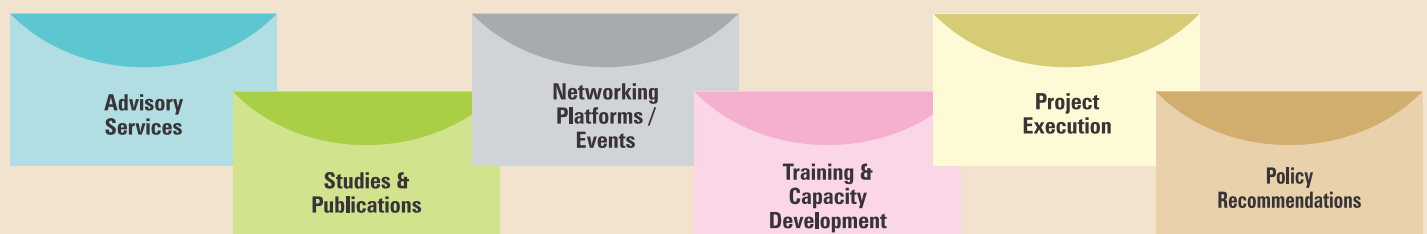
Institutional mechanism on PPP model have been established in partnership with both central and state governments, to provide value added services to industry and institutions. CII Technology Division with its Central Office in Delhi, has been serving the Industry, Innovators and Society, with its extended arms located across India, such as

- Technology Development & Promotion Centres APTDPC & TNTDPC in Andhra Pradesh and Tamil Nadu, by partnering with respective state governments
- Global Innovation and Technology Alliance, by partnering with Department of Science & Technology, Govt. of India
- Three Intellectual Property Facilitation Cells at Mysore, Indore & Gandhinagar, supported by Ministry of MSME, Govt. of India



These centres render a range of services such as Technology Business Information, Enterprise Development, Policy research & Advocacy, Studies & Publications, Trainings, Access to Funding and Fund management, facilitate / implement Demonstrative Projects, networking platforms and awards etc., covering Technology, Design, Innovation, IPR, Collaborative R & D, Higher Education, Industry Academia Collaboration etc.

Range of Activities:



Different teams operating at these centres, work in various sectors like Municipal Solid Waste Management / Value Added Applications of Bamboo / Plastic Waste Recycling / Gainful utilization of Stone Cutting & Polishing Waste / Food Processing / Automotive / Nanotechnology etc.

In order to extend such multiple services to Gujarat, during Vibrant Gujarat Global Investors Summit 'VGGIS : 2011', CII has signed an MoU with Government of Gujarat for setting up a Centre of Excellence:

- **Gujarat Knowledge Application & Facilitation Centre - GKAFC**

Vision

Be a prime mover in State's Research – Innovation - Technological Growth in terms of, Gujarat becoming the investment destination, MSMEs becoming globally competitive, Society benefited through technology interventions, Institutes producing excellent technical manpower.

Mission

To be the umbrella agency in the state for catalyzing and facilitating application of knowledge in a holistic manner to make Gujarat a Knowledge driven Economy and also to implement innovative projects for societal benefits through Public-Private-Partnership on sustainable basis.

Focus

- Technology
- Design
- Innovation
- IPR
- Collaborative R & D
- Projects
- Industry Academia Collaboration
- Technopreneurship

Objectives

- Knowledge Application & Facilitation for **Industry**, to develop Innovation led Industry, across business areas, with a special focus on MSMEs and with sectoral prioritization.
- Knowledge Application & Facilitation for **Technopreneurs & Tech-Startups**, for their growth and survival.
- Knowledge Application & Facilitation, benefiting the **Common man**, through demonstrating Technology / Knowledge oriented interventions and projects.

Enhancing the Application of Geosynthetics in Infrastructure Sector

Usage of Geosynthetics is very limited in India, and it makes up a demand of only 100 million square meters vs. 4.7 billion square meters world wide.

Objective:

- Publication on Geosynthetics application considering the Technical, Economical, Regulatory, Social factors
- Assisting the stakeholders to adopt the findings & draw the benefit of its techno-commercial advantage and be on par with Global Practices



BioCNG

More than 10 Mn Livestock in Gujarat. Technologies are available for Value Addition to Conventional Biogas plants. Demand of CNG in Transport sector in rural areas can be fulfilled by Bio-CNG. New Source of Income for Communities & Villages.

Objective:

- Production & Purification of Bio-Gas from the Effluents for captive & public consumption
- Publication on Biogas production, purification, captive consumption & bottling for its application in localized transport and other sectors

Bio-CNG Programme in Gujarat

Electric Vehicles : Green Transportation for Greener Tomorrow

Demonstration of a success story by appropriate Techno-managerial interventions, as a service to all the stakeholders i.e. Industry, Technopreneurs and Common man.

Objective:

- Enhancing the Acceptance & Penetration of EV
- Publication on Technology & Innovative business model in Electric Vehicle Sector
- Assist the stakeholders to adopt the findings & demonstrate a success story



Sea Food Processing

Fisheries sector occupies a very important place in the socio-economic development of the country. It has been recognized as a sustainable source of income and employment generator

Objective:

- Publication, covering - market trends, challenges & requirements to do higher value addition, higher value of exports & enhanced competitiveness
- Sensitize the industry on appropriate funding options & exploiting various Governmental Schemes

Near Infra-Red based Milk Analyzer & Test Strips to check adulteration in milk

An Indian company has developed a milk analyzer with advanced features, based on near infra red technology & convenient and inexpensive test strips to check milk adulteration. Both these innovative products need to be studied for their performance. In the absence of standard testing and certification, GKAFC is assisting this company to collaborate with institutions and generate performance reports.



Dry Beneficiation of Lignite: Commercialisation of the Technology Business Opportunity

An Indian Company has developed dry beneficiation technology in their in-house DSIR recognized R&D facility and filed a global patent. Broadly, this technology involves X-Rays, Pneumatics and customised hardware and software to identify and remove the pyrites on-line. GKAFC rendered multiple services, for commercialization of this technology business opportunity & a 1.5 million TPA project is being set up, scheduled to be operational by June 2014. This technology helps in reducing water consumption, pollution control & contributes for better environment.

Development of Cost effective Paper Pallets with customized design

General advantages of paper pallets are lightweight, easily recyclable, smooth deck, dry and bug free. GKAFC by partnering with a design expert and a corrugated box manufacturing industry is developing paper pallets with customized design, which is cost effective too. This intervention helps the industry with a better product, in conserving trees and in complying with global standards.



About Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has over 7200 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 100,000 enterprises from around 242 national and regional sectoral industry bodies.

CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship Programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few.

The CII theme of 'Accelerating Growth, Creating Employment' for 2014-15 aims to strengthen a growth process that meets the aspirations of today's India. During the year, CII will specially focus on economic growth, education, skill development, manufacturing, investments, ease of doing business, export competitiveness, legal and regulatory architecture, labour law reforms and entrepreneurship as growth enablers.

With 64 offices, including 9 Centres of Excellence, in India, and 7 overseas offices in Australia, China, Egypt, France, Singapore, UK, and USA, as well as institutional partnerships with 312 counterpart organizations in 106 countries, CII serves as a reference point for Indian industry and the international business community.

Glimpses



VG 2013 : Innovation Symposium



Inauguration of GKAFC



Governing Council Meeting



MSME Linkages 2013 :
Conference cum Exhibition



Advanced Workshop on
Patent Drafting : with WIPO



DSIR Workshop on
Technology Acquisition



For more details, please contact or write to:

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