PRESS RELEASE

on

Foundation Stone Laying Ceremony of High Learning Centre at CIPET Chennai

on Monday, the 3rd August, 2009

Central Institute of Plastics Engineering & Technology (CIPET) is a premier National Institution devoted to **Academic Programme, Technology & Research (ATR) Support Services** for the Plastics & allied industries, in India. The first CIPET campus was established by Government of India in 1968 at Chennai and subsequently 14 **CIPET Campuses** have been established across the country. Today, 15 CIPET Centres – **Andhra Pradesh** (Hyderabad)**, Assam** (Guwahati)**, Bihar** (Hajipur)**, Gujarat** (Ahmedabad)**, Haryana** (Panipat), **Karnataka** (Mysore), **Manipur** (Imphal), **Maharashtra** (Aurangabad)**, Madhya Pradesh** (Bhopal)**, Orissa** (Bhubaneswar)**, Punjab** (Amritsar)**, Rajasthan** (Jaipur)**, Tamilnadu** (Chennai)**, Uttar Pradesh** (Lucknow) and **West Bengal** (Haldia) having uniform infrastructural facilities in the areas of Plastics Product & Mould Design, CAD/CAM/CAE, Tooling & Mould Manufacturing, Processing, Testing, Quality Control etc and are contributing through **ATR** services for the benefit of student community and industries in India.

The objectives of CIPET are to offer blend of various specialized **Academic programmes** in the field of Plastics Engineering & Technology (***Doctoral, Post Graduate, Undergraduate, Post Graduate Diploma, and Post Diploma***) in order to provide qualified Human Resources to plastics & allied Industries. With strong **Alumni** base of about 30,000 Professionals, CIPET has emerged as an Apex plastics technology institution, not only in India but also as a unique institution of its kind in Asia. CIPET's Alumni network spreads across South-East, Middle-East countries, Africa, Europe, Australia, North America, etc. (Singapore, Malaysia, Thailand, Korea, UAE, Oman, Saudi Arabia, Nigeria, Kenya, USA, CANADA, Germany, etc.) **"CIPET" brand** itself is recognised as major qualification criteria for supervisory and managerial manpower for the plastics industries across the globe.

The **Technology Support Services (TSS)** to the industries and ingenious **Research** are the important product portfolios of CIPET. CIPET's **Plastics Testing Centre (PTC)** is one of the best plastics testing facilities in Asia. CIPET's testing facilities are recognised by Bureau of Indian Standards (BIS) and accredited by National Accreditation Board for

Testing & Calibration Laboratories (NABL). CIPET's expertise as third party inspection agency for plastics products are recognized by various Central & State Govt organizations for pre-despatch / delivery inspection of plastics & allied products. CIPET also has R&D Vision to be recognised as Global R&D Hub, in the area of Polymer Composites, Nanocomposites, Biopolymers, Functional Plastics, Carbon nanotubes, Polymer Membranes, Conducting polymers, Fuel Cells, E-waste recycling etc. & Innovative Product concept development & Commercialisation by aid of CAD/CAM/CAE expertise.

ABOUT HIGH LEARNING CENTRE

In recognition of the pioneering role played by CIPET and its significant contributions for the growth of industry and economic development of the country, efforts are being made for **grant of Status of Institute of National Importance** to CIPET which is under active consideration by the Govt. of India.

In-line with the National Policy on Petrochemicals of Govt of India and in order to meet the increased demand of highly qualified plastics professionals, CIPET is emerging as an Academic, Technology and Research (ATR) Institution of Excellence. In this regard, CIPET, Chennai has been identified for the **establishment of 1st High Learning Centre** with exclusive focus on following **Academic programs : -**

1. Four Year Full Time B.Tech Plastics Technology ;
2. Two Year Full Time M.Tech Plastics Technology ;
3. Two Year Full Time M.Tech (CAD/CAM/CAE in Plastics Technology);
4. Ph.D Programs in Polymer Technology.

It is proposed to introduce **Two more new academic programs** from the year 2010-11:

- Four Year Full time - Under Graduate - Program: B.Tech in Manufacturing Engineering Technology (with special emphasis in the areas of Mould/Tool Manufacturing)
- Five Year Full time Post Graduate - M.Sc-Tech. Material Science Engineering (Integrated Program).

The High Learning centre will undertake **Technology support services** in the areas of Plastic processing, design and development of moulds and dies, Plastics testing and quality control for the benefit of plastics and allied industries. Through various planed schemes of

Govt. of India the High Learning centre would be equipped with sophisticated plastic processing machinery, tool room machinery and High end plastic testing equipments.

The High Learning centre at CIPET Chennai will also undertake **R & D** projects in the following areas of Advanced Research in polymeric materials and CAD/CAM/CAE.

Advanced Research in Polymeric Materials

- Bio-polymers
- Composites
- Nanocomposites
- Polymeric Membranes
- Fuel Cells
- Blends & Alloys
- E-Waste Recycling

CAD/CAM/CAE

- In Product Development
- Innovative Product Design
- Computer Aided Engineering
- Tool Design Conceptualization
- E-Manufacturing of Prototypes
- Reverse Engineering.

The necessary state-of-the-art facilities and infrastructure required to carry out R&D activities will be established to cater the needs of the plastic industries. The state-of-the –art facilities includes the following sophisticated machinery / equipments: -

- Differential Scanning Calorie Meter (DSC)/ Thermo Gravimetric Analysis (TGA)
- X – Ray Diffraction (XRD)
- Transmission Electron Microscopy (TEM)
- Weather-o-Meter,
- UV-Spectrometer
- Fourier Transform Infrared Analyzer (FTIR),
- Scanning Electron Microcopy (SEM)
- Torque Rheometer
- CAD / CAM/ CAE software
- Rapid prototyping
- Reverse Engineering

Considering the Academic, Technology support and R & D requirements of High Learning Centre at par with National & International Institutions, an **Academic Complex** will be constructed at a total cost of Rs. 20.00 crores in the existing land area of 1.5 acres in the campus of CIPET Chennai with built-up area of 12682 Sq.M having (G+4 floors) **comprising of Academic Block and International Faculty Training Centre (HRD Centre of Excellence)**. In addition, the **High Learning Centre** will be established with necessary infrastructural pre-requisites viz Lecture Theatre, Tutorial & Seminar Hall, Students Activity

Centre, Placement & Alumni Centre, Auditorium, UG & PG Hostel, Digital Library, RFID Management System, Video Conferencing, Audio Visuals, EduSat training, Networking etc at par with International Standards.

High Learning Centres will provide platform for:

- Excellence in scientific research in the field of Polymeric Material and Engineering;
- Network amongst universities and research institutions and industries;
- Help in developing core and strategic research programmes which will result in knowledge generation;
- Facilitating transfer of technology.

The Foundation Stone for High Learning Centre at CIPET Chennai will be laid by Hon'ble Union Minister of Chemicals & Fertilizers, Govt. of India Shri M. K. Alagiri in the presence of Hon'ble Minister for Higher Education, Govt. of Tamil Nadu – Dr. K. Ponmudy, Hon'ble Minister for Labour, Govt. of Tamil Nadu – Shri T. M. Anbarasan, Hon'ble Minister for School Education, Govt. of Tamil Nadu – Shri Thangam Thennarasu, Mayor of Chennai – Shri Ma. Subramanian, Chitlapakkam Shri C. Rajendran, M.P., Shri G. Senthamizhan, M.L.A., Shri S. R. Raja, M.L.A, Secretary, Department of Chemicals & Petrochemicals, and President, CIPET Governing Council, Govt. of India – Shri Bijoy Chatterjee, I.A.S., Principal Secretary, Industries Department, Govt. of Tamil Nadu, and Chairman, Regional Advisory Committee (RAC), CIPET Chennai – Shri M. F. Farooqui, I.A.S., Joint Secretary (Petrochemicals), Department of Chemicals and Petrochemicals, Govt. of India – Smt. Neelkamal Darbari, I.A.S., Prof. (Dr.) S K Nayak, Director General, CIPET and all dignitaries Govt. of Tamil Nadu, industries, institutions etc.
