

## **The Challakere Campus of Indian Institute of Science at Chitrdurga District**

Following the Centenary celebrations in the year 2009, the Indian Institute of Science (IISc) acquired a 1500-acre campus at Challakere in the Chitradurga district of Karnataka. Besides IISc, some of the strategic institutions of India viz., DRDO , BARC (DAE) and ISRO have also been allotted precincts in the same region. They will also house the necessary residential quarters for the scientists and the staff. Because of the co-location of the leading organizations a science city is expected to emerge in this region.

Many constructions in the second campus of IISc such as boundary wall, peripheral road, an imposing main gate and two check dams for rain water harvesting have been completed. Infrastructure for Solar Energy Research, Climate Research and Sustainable Technology Promotion are being established.

IISc's first initiative at the new campus was to establish a Talent Development Centre (TDC) to train science and mathematics teachers from Government and Government-aided schools in local communities. The TDC was started in an abandoned sheep farm in a remote area close to the new campus, leased to IISc by the Government of Karnataka. This facility was transformed within a short time into a residential training centre and formally inaugurated in February 2011 by the then Chief Minister Shri BS Yeddyurappa.

### **HAL-IISc Skill Development Centre**



Over the last four years, the Centre has been running a ten day residential High School Teachers' Training Programme — a model academic initiative where IISc faculty members teach scientific concepts to science and mathematics teachers using creative experiments and novel training modules. Considering that each teacher impacts more than 3000 students in their lifetime, “training these trainers” would significantly improve the quality of education they impart to their students, leading to an immensely beneficial multiplier effect.

When our Honourable Prime Minister Shri Narendra Modi visited IISc in February 2015, he was greatly impressed with this Programme. Within weeks of his visit, the Ministry of Human Resource Development recognized this unit as the first Centre of Excellence in Science and Mathematics under the “Pandit Madan Mohan Malviya National Mission for Teachers and Teaching”(PMMMNM'TT). As of August 2016, with the combined support from Karnataka State and the Government of India through MHRD more than 8500 teachers, including those from high schools, Pre-University colleges and Navodaya schools nationwide, have already benefited from this unique initiative.

It is with this background and experience, IISc embarked on establishing a more comprehensive Skill Development Centre. **It is of great significance that Hindustan Aeronautics Ltd (HAL) came forward to support this outreach initiative of social empowerment.** The proposed SDC will encompass the programmes handled by TDC and PMMMNM'TT and extend the skill development initiative to technical areas to train people at three levels – post ITI, Diploma, Bachelor's degree. In addition skill development for practitioners in mechanical and electronic manufacturing is planned. The courses will be in aerospace and allied areas and taught by experts from IISc, HAL other organizations. The modules are being formulated to enhance the capabilities of technical persons to enable them to accept new challenges in manufacturing technologies. This will help growth of industry in the backward region and directly contribute to 'Make in India' initiative.

Broadly, the main beneficiaries from the Skill Development Centre would include:

- Engineering skills: (Mechanical Electrical, Electronics)
  - Teachers in ITIs and Polytechnic colleges
  - Practicing tradesmen and engineers
  - High-end professionals in various sectors, including Aeronautics and related industries
- Basic Sciences
  - Science and mathematics teachers in Government and Government-aided schools (Teachers' Training) in the State of Karnataka and at national

level through MHRD for Navodaya Vidyalayas, schools attached to PSUs and other government organizations

- Science and mathematics teachers in undergraduate and post-graduate colleges throughout the country (under the Pandit Madan Mohan Malviya Mission).

The HAL-IISc skill development centre is being jointly developed by HAL and IISc under the provisions of CSR Rules 2014. As per the MOU signed between both the organizations, the name HAL-IISc SDC shall be continue even after the successful completion of the project.

During the first Phase the physical infrastructure is being developed with funding from HAL. The physical construction has been entrusted to CPWD. On completion of the Training complex and the hostel for housing the trainee's further maintenance and upkeep will be done by IISc. The complete complex is expected to be ready and the skilling programs to begin in about three years.

### **Skill Development Centre - Hostels**

