



केंद्रीय वैज्ञानिक उपकरण संगठन

चेन्नै केन्द्र, सि. एस. आई. आर मद्रास कॉम्प्लेक्स, तारमणी, चेन्नै-600 113.

CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION

CHENNAI CENTRE, CSIR Madras Complex, Taramani, Chennai – 600113.

Central Scientific Instruments Organisation (CSIO), a constituent unit of Council of Scientific Industrial Research (CSIR), is a premier National Laboratory dedicated to Research, Design & Development of Scientific and Industrial Instruments. It is a multi-disciplinary apex R&D organisation having centres at Chennai and New Delhi to stimulate growth of instrument industry in India. CSIO, Chennai Centre catering to the development of Instrumentation Systems for Energy & Biosensors, has established **NABL Accredited Calibration Laboratory** and organizing Skill Development Programmes

RESEARCH & DEVELOPMENT

The centre is equipped with state-of-art facilities to carry out research in the area of Energy Management Systems (EMS) & Biosensor Based Systems for the healthcare diagnostics. CSIO has executed several projects and consultancy services for Industrial Energy Management Systems, Efficiency Monitoring Systems, Energy Studies, and Health Care Sector.

EXPERTISE DEVELOPED TO TAKE-UP NEW R&D PROJECTS

- ✿ Energy Management Systems for Industries and Buildings
- ✿ Biosensor based instruments using nano materials, fluorescence & imaging techniques
- ✿ Industrial Networking, IoT and web enabled applications
- ✿ Development of hardware and software using embedded controllers

TECHNOLOGIES FOR COMMERCIALISATION

- ★ Energy Management Systems Based on Modbus Technology
- ★ Energy Management Systems Based on LonWorks Technology
- ★ Induction Motor Efficiency Monitoring System
- ★ Portable Energy Audit Tool (PEAT)
- ★ Power Quality Analyzer (PQA)
- ★ Pump Efficiency Monitoring Systems (PEMS)
- ★ Fluoropath for detection of pathogens
- ★ Malarial Parasite detection using Fluorescence based Imaging
- ★ Smart Meters for smart grids
- ★ Building Energy Management System (BEMS)

TEST AND CALIBRATION

CSIO Chennai Centre has a well-established calibration laboratory equipped with sophisticated calibration standards serving more than 500 industries. The Centre has facilities to calibrate the Electro Technical, Mechanical, Temperature & Optical Instruments. The Centre has Accredited by NABL for calibration in the area of Electro-technical and Mechanical instruments.

HRD

To disseminate the expertise developed, CSIO, S&M Centre conducts training and skill development programs on preventive maintenance of biomedical/analytical instruments. CSIO conducts six weeks program for the International participants on Management Development Program on Energy Management System and Instrumentation, sponsored by Ministry of External Affairs.

FOR DETAILS, CONTACT

THE DIRECTOR

CSIR-Central Scientific Instruments Organisation
Sector 30-C, Chandigarh – 160030
Phone : 0172-2657190
FAX: 0172-2657267
Email : director@csio.res.in
Web : <http://www.csio.res.in>

SCIENTIST-IN-CHARGE

CSIO Chennai Centre Centre,
CSIR Madras Complex, Taramani,
Chennai – 600113. Phone (O) : (91)-044-2254 1061
FAX : 044- 2254 1026
Email : siccsio@csircmc.res.in
Web : <http://www.csircmc.res.in>