

# “LED MANUFACTURING & CERTIFICATION” - A Summit

## Inauguration of Gujarat Local Centre of ISLE

A need was being felt for a long time for an ISLE Centre in the State of Gujarat. As such after interaction with ISLE Members of Gujarat Centre and Officials of ERDA, a Local Centre of Gujarat was Inaugurated during the Summit on LED Manufacturing and Certification organized by ERDA, Vadodara on 25 Apr.,2017. For the purpose, an informative presentation on ISLE was made by Mr.Stan Alvares, GB Member of ISLE. Further, Dr.Prakash Barjatia - GB Member of ISLE described in detail the activities which can be taken up jointly by ISLE and ERDA, and he also made an appeal to all participants in the Summit to become member of ISLE, so that more



activities in the State of Gujarat can be taken up. Subsequently the Local Centre of Gujarat was declared inaugurated in the presence of Dr.M.K.Shah, Director-ERDA; Chief Guest Er.Kaushik S.Parmar, I/c. Executive Engineer – Street Light Department of Vadodara Municipal Corporation; ISLE GB Members - Mr.Stan Alvares and Dr.Prakash Barjatia and Mr.Gautam Brahmbhatt, Gp. Head-ERDA.

Electrical Research & Development Association had organized a Summit Programme on “LED Manufacturing & Certification” supported by ISLE on 25th April 2017 at ERDA, Vadodara Laboratory Complex. The Summit was received well and around 30 Participants had attended.

The summit comprised of Technical Sessions on various topics related to LED Lighting. This was followed by visits to the Type ‘C’ Goniophotometer in Photometry Lab, 10M Anechoic Chamber in EMI/EMC Lab & Ingress Protection Facility to apprise the participants about modern State of the Art facilities at ERDA for LED Certification.

The Chief Guest for the Summit was Shri Kaushik Parmar from Vadodara Mahanagar Seva Sadan.

Dr.Prakash Barjatia - Governing Body Member, ISLE & an eminent personality in the Indian Lighting Sector also attended the Summit as a Distinguished Speaker.

### **Indian Society of Lighting Engineers (ISLE) Introduction:**

● Role of ISLE in Industrial Development was presented by Mr. Stan Alvares - Governing Body Member, ISLE.

### **Technical Session:**

- Mr. Gautam Brahmbhatt, ERDA delivered a Technical Presentation on “Importance of Testing & Conformance in LED Manufacturing”.
- Dr. Prakash Barjatia, ISLE delivered a Technical Presentation on “Role of LED & Solar in Sustainable Development”.
- Mr. Nitin Patel, ERDA delivered a Technical Presentation on “Evaluation of Solar LED Lighting”.
- Mr. Mohit Raval, ERDA delivered a Technical Presentation on “Importance of

### **EMI / EMC Testing in Lighting”.**

The response from the participants was overwhelming since it was a good informative Summit for them. They were also very impressed by the State of the Art facility for certification of LED Lighting especially Type ‘C’ Goniophotometer & 10M Anechoic Chamber for EMI/EMC Testing. This Summit also created an awareness among the Participants with respect to Development & Certification of LED Products.



## About ERDA

Electrical Research and Development Association popularly known, as 'ERDA' is a premier Testing, Calibration, Certification and Research Organization of India. ERDA ([www.erd.org](http://www.erd.org)) was established by the Indian Electrical Industries & Utilities with the support of Governments of India and Gujarat and has acquired more than four decades of experience as a service provider. It is a not-for-profit sector organization.

ERDA is managed by a Managing Committee consisting of elected and nominated members from industries, utilities, public sector units, Government of India and Government of Gujarat. The Managing Committee is the Apex policy making body and operates through an elected President and a Vice President. The Director is the CEO of the organization.

ERDA's main laboratory complex is located in a 25 acre plot at Makarpura Industrial Estate, Vadodara, Gujarat. This laboratory complex has fully established and integrated facilities for providing services in areas of Certification Testing, Calibration, Research & Development, Residual Life Assessment (RLA), Condition Monitoring, Energy Audits & Management, Third Party Inspection (TPI) & Power Systems to the Indian Electrical & Power Sector in particular, and the Industrial Sector in general.

The major certification test facilities at the laboratory complex at Vadodara include Three 'Online stations for Short Circuit Testing (upto 120 kA, 570 V)', Station for Switchgear & Distribution Transformers upto 33 kV, Motors & Pumps,



Refrigerators, Cables, High Voltage Impulse, Ingress Protection (40 ton capacity), Seismic Testing, State-of-the-art EMI/EMC Laboratory comprising of a 10 meter Anechoic Chamber compliant with SVSWR as per CISPR 16-1-4 as well as MIL Standards, Solid & Liquid Dielectrics Laboratory, Mechanical Testing, Soft Magnetic Materials Laboratory catering to evaluation of CRGO / CRNO Laminations, etc.

Over 100 types of products are evaluated at ERDA with a customer base of more than 5,000.



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