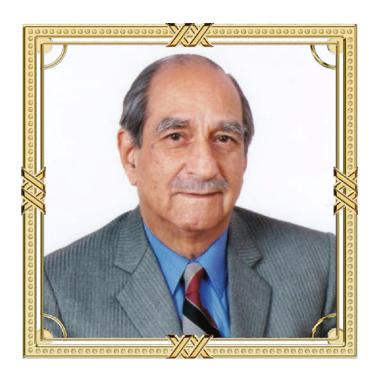




50 Oyears of Elcoma

June 29, 2020

DEDICATED TO



The Honourable Mr. Harcharan Singh Mamak

Advisor, ELCOMA (2004-2014)

We remember him for his unstinted service to lighting industry and ELCOMA

ELCOMA is Born



29th June, 1970





The ELCOMA Story

n 29th June, 1970, the Electric Lamps and Components Manufacturers in India founded "Electric Lamp and Component Manufacturers Association of India" (ELCOMA), representing the entire lighting industry. The main purpose that the founding members had in mind was to establish liaison with government bodies and to support each other in matters connected with lighting industry.

In its early years, ELCOMA successfully drew attention of the government to the difficulties faced by the members and highlighted development in new light sources and energy saving solutions to the customers.

During the 1980's and 1990's extensive development and introduction of various types of energy saving lamps offered wide range of choice to the customers and offered indigenously manufactured lamps for all type of applications, thereby saving precious foreign exchange when the country needed it most.

ELCOMA can be proud of the fact that in spite of inflation, energy price increases and other prices rises, the price of lighting products have become more cost effective. With the success achieved by the Association, new entrants to the lighting industry from organized as well as small sector readily became members and took active interest in the growth and development of the lighting industry.

The prominent founding members were

- Philips India Ltd
- Mysore Lamps Ltd
- Bengal Lamps Ltd
- ELMI, Hind Lamps Ltd
- Toshiba Anand Ltd
- Metal Lamp Caps Ltd
- Auto Lamps Ltd
- Sylvania and Laxman Ltd
- · Crompton Greave Ltd
- GE Lighting (India) Ltd
- Surva Roshni Ltd
- VWF Industries Ltd
- Kuber Lighting (P) Ltd
- Punjab Anand Lamp Industries Ltd
- Electric Lamp Manufacturers (I) Ltd
- Phoenix Lamp India Ltd
- Mercury Lighting (P) Ltd



Functions and Services of ELCOMA



The main objectives of ELCOMA and its functions and services are:

- To enable manufactures of lamps and components to federate or corporate by becoming members or associates of the Association, either by themselves or their nominees or act as their representatives or spokesmen for such manufacturers.
- To promote and develop co-operation among the manufacturers of electric lamps and other ancillaries and business and to further facilitate the manufacture of products in particular.
- To promote the consideration and discussion of all questions affecting lamp industry and all ancillary and allied trades, and every branch of such trade and to generally watch over and protect the interest of persons engaged in the manufacture of such products.
- To diffuse among its members information on all matters, affecting the lamp manufacturers to print and publish, issue and circulate such papers and periodicals, circulars and other material relevant as may be seen conducive to any of these objects.
- To promote the distribution of products to all consumers throughout India by the members of the Association and with the object of fostering and promoting espiritde-corps among the lamp manufacturers in India.
- To collect information and circulate and publish the policies and activities of the Association from time-to-time through pamphlets, circulars, or news bulletins.
- To organize exhibitions, conduct seminars, conferences,

- symposia, lectures and publish its official bulletin, 'ELCOMA' News Letter and make known to public the activities of the Association.
- To provide to its members statistical information pertaining to lamp industry and keep the members informed regarding latest technical development, quality control and achieve standards and specifications.
- To be in close touch and establish liaison with various institutions and organizations and government bodies connected with the development of Electric Lamp and Component Industry and to carry continuous dialogue with the govt.
- To make representations and to deal with the subjects that affect the Electric Lamps and Component Industry and find ways and means of solving the problems and difficulties relating to subjects like finance, import-export, supply of raw materials, machinery and spares, taxation (all typescustoms, excise, octroi, sales tax and GST etc), industrial relations, procedural delays, factory enactments, power, transportation etc.
- To carry out such acts as maybe required for the benefit of the industry to upgrade themselves in terms of knowledge/technology etc.
- To educate and inform the consumer on the developments in the industry and help the nation to save energy and costs through introduction of better products and applications.
- To act as a link between lighting and other industry association in India and worldwide in matters concerning common interest.



provide us life-giving

waters...





Human beings have been able to harness the power of Light for different applications: from healing and curing humans to growing vegetables in space; from brightening our lives and making each day more productive to transporting data at incredible speeds and laser beams to cut through materials, light is now a part of our daily lives in ways we never thought possible.



Discovery of Light



THOMAS EDISON



GEORGES CLAUDI



GEORGE INMAN



SHUJI NAKAMURA

From the time when the first incandescent lamp was invented more than 140 years ago by **Thomas Edison** and other notable inventors, the bulb remained the 'King of Illumination' for more than 5 decades. Over time, research and innovations continued to improve the bulbs and make it more efficient.

In 1910, Electric Gas Discharge Lamps, called Vapour Lamps, were invented and successfully demonstrated by a French inventor **Georges Claude** using neon gas. Later different versions of this lamp were introduced using argon, krypton, mercury, radium and xenon gases for different applications. The breakthrough came in 1938 when **George Inman** successfully demonstrated a perfect Fluorescent Lamp. This was the most energy efficient lamp ever produced at that time.

Shuji Nakamura invented latest technology in LED as he researched for Blue & White LED. He was accorded with Nobel Prize for his invention.

Major Inventions In Modern Lighting Technologies



1879

The first practical incandescent bulb with carbon filament was invented by Thomas Edison



1932

Sodium lamp was first produced commercially by **Philips**

GE patented the first practical halogen bulb



1963

OLED was demonstrated



Metal halide lamp was introduced in 1960s.



1980

CFL was first launched publicly by Philips.



The first incandescent bulb with tungsten filament was produced



1904

GE invented the first practical fluorescent tube



1938



1962

Red LED was discovered by Nick Holonya Jr at GE



Yellow, green and orange LEDs were Produced

High-pressure sodium lamp was produced commercially in 1970s.

1971

Blue LED was discovered by Shuji Nakamura at Nichia



1993











ELCOMA is One Family



True to the vision of the founding members, ELCOMA has been able to bring in an atmosphere of togetherness and feeling of one family within the Indian Lighting Industry.

ELCOMA Arranges



Conferences

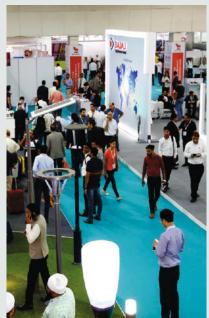






ELCOMA Organises

Exhibitions









ELCOMA Conducts



Workshops













ELCOMA Shares Knowledge

Technical Training









Technical Training programs are organized for front-end technicians. These programs lead to better product installation, care and maintenance.

ELCOMA Trains



Safety and Security









ELCOMA conducts programs on factory and worker safety which translate to better working environment and better quality parameters at the workplace and manufacturing units.



ELCOMA Disseminates Information

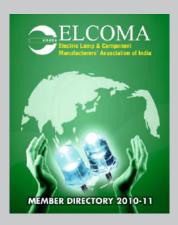
Magazine

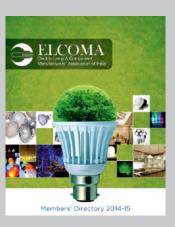


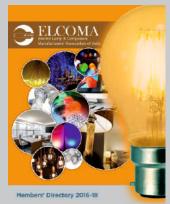
ELCOMA Publishes



Directory

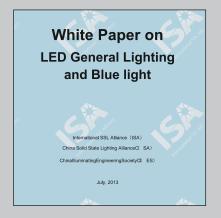


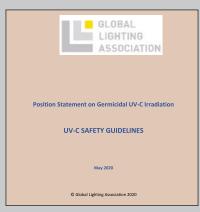






Reports







India's street lights form a crucial component of the nation's investment on lighting and road safety. Launched in 2015, EESL's Street Light National Programme (SNLP) has been instrumental in replacing over 1.08 crore LED street lights across India, leading to energy saving of 7.28 billion kWh per year with avoided peak demand of 1,213 MW and estimated GHG emission reduction of 5 million t CO2 per year

Energy Efficiency Services Limited



ELCOMA HALL OF FAME





A.D. Kulkarni President (2003-04)



V.R. Mujumdar Vice President (2003-2004) Treasure (2004)



Vineet Agrawal Treasurers (2003-04) Vice President (2005-06) President (2007-08)



Rajiv Prasad Treasurer (2009)



R. Nandakishore Treasurer (2007-08)



Sunil Sikka Vice President (2009) President (2010) Vice President (2014) President (2015)



Rakesh Zutshi Treasurer (2014) Vice President (2015) President (2016-17)



Raju Bista Treasurer (2015) Vice President (2016-17) President (2018-20)



Nirupam Sahay Vice President (2013) President (2014)



Arun Gupta Treasurer (2013)



Sunil Vachani Treasurer (2016) Treasurer (2017)



ELCOMA HALL OF FAME





Shekhar Bajaj President (2004)



Gagan Mehra Vice President (2004) President (2005-06)



H.R. Gupta Treasurer (2005-06)



Manoj Verma Vice President (2007-08) President (2009) Vice President (2012) President (2013)



Rajeev Chopra Vice President (2010) President (2011)



C.G.S. Mani Treasurer (2010) Vice President (2011) President (2012)



Arvind Bansal Treasurer (2011)



Dilip Basole Treasurer (2012)



Sumit Padmakar Joshi Vice President (2018-20)



Avinder Singh Treasurer (2018-20)



Shyam Sujan Secretory General, Elcoma (2004-till date)

We regret that since we do not have records prior to 2003, we are not able to cover all the office bearers since the inception of ELCOMA i.e. 1970 till 2002



ELCOMA Lights up India





ELCOMA members have been designing and implementing world-class lighting designs for various buildings and projects in India which have been appreciated globally. Several ELCOMA members have received International awards for their lighting solutions





ISA International Lighting Awards 2019



Dear Mr. Venkatesh Dwivedi

As the President of International Solid State Lighting Alliance (SSA), it is my great phonouse to notify you, haved on the judgment of distinguished Jury Panel and the decision of ISA Corneal of Managaman, insurg. Efficiency Services Limited (EISL) have been recorded as the source of

Global SSL Award of Outstanding Achievement 2019

a marticular for

Policy and Application

I would like to take this opportunity to approache EISL on its agadicant contributor to the global SSL devisionment and express my shorre congentuation. Intrig. assembl. the homer has approved stockhoule adventuelagment of its great adherences.

We will announce the Januarios pulfiely on the observer of November 35° at the inputing constrainty of CHRA-NL 2009 or Shernhen Exhibition Control, Stratcher, Chris where the Burnston self-increte official cultificates and smalls beared by addresses at size. A printed special on this Annat will be published and circulated by EAA at bot 460.

Photos contact Ms. Zhou Jin (irreltandisch-world org) at the SA Secretariat in continyour expresentation(s) is the will affect the award constrony before New 8°, 2019.

I succeed, congestulate you to win this award and I am looking forward to seeing you in Stenation,

Yours Sincerely.

Jeanlin Ces

Project of ISA

Energy Efficiency Services Limited



Dear Mr. Shakti Leekha

As the President of International Solid State Lighting Alliance (ISA), it is my great pleasure to announce that the outcome of the annually appraisal on the ISA "Global SSL Showcase Top100" has been raised. And the 2019 winners go to:

"Bogibeel Bridge in Assam gets theme based architectural

Illumination from Bajaj Electricals"

(Lighting products supplier and Lighting installer: Bajaj Electricals Limited Designer: Saptak Bhattacharya)

and the other 14 SSL showcase projects, to honor their outstanding demonstration on the SSL technology innovation and combination of the distinguished design, lighting product, installation, etc., which increased the influence and visibility of the SSL applications and public awareness efficiently.

Your designated representatives are formally invited to receive this Award in the Award Ceremony at the ISA 2019 General Assembly, in Rose Hall 3 (皮塊 Γ 3), Shenzhen Exhibition Center, Shenzhen, China, 09:00 - 12:00, on Nov. 25th, 2019.

Please contact Ms. Zhao Jin (jinzhao@isa-world.org) at the ISA Secretariat to confirm your representative(s) who will attend the award ceremony before Oct. 17th, 2019.

I sincerely congratulate you and your organization to win this award and I am looking forward to seeing you in this coming November.

Yours Sincerely,

Jianlin Ces

Jianlin Cao

President of ISA

Bajaj Electricals



Dear Mr. Sandeep Jayapal and Ms. Margot Luo,

applications and public awareness efficiently.

As the President of International Solid State Lighting Alliance (ISA), it is my great pleasure to announce that the outcome of the annually appraisal on the ISA "Global SSL Showcase Top100" has been raised. And the 2019 winners go to:

"The Golden Temple"

(Osram Lighting Pvt Ltd., India

and the other 14 SSL showcase projects, to honor their outstanding demonstration on the SSL technology innovation and combination of the distinguished design, lighting product, installation, etc., which increased the influence and visibility of the SSL

Your designated representatives are formally invited to receive this Award in the Award Ceremony at the ISA 2019 General Assembly, in Rose Hall 3 (玫瑰芹 3), Shenzhen Exhibition Center, Shenzhen, China, 09:00 - 12:00, on Nov. 25th, 2019.

Please contact Ms. Zhao Jin (jinzhao@isa-world.org) at the ISA Secretariat to confirm your representative(s) who will attend the award ceremony before Oct. 24ⁿ, 2019.

I sincerely congratulate you and your organization to win this award and I at looking forward to seeing you in this coming November.

Yours Sincerely

Jianlin Ces

Jianlin Cao President of ISA

Osram Lighting Power Limited



Dear Mr. Mohit Sharma

As the President of International Solid State Lighting Alliance (ISA), it is my great pleasure to announce that the outcome of the annually appraisal on the ISA "Global SSL Showcase Top100" has been raised. And the 2019 winners go to:

"Jawdut Project - Riyadh"

(Jaquar & Company Pvt. Ltd. Designer: Jaquar Lighting Design Team)

and the other 14 SSL showcase projects, to honor their outstanding demonstration on the SSL technology innovation and combination of the distinguished design, lighting product, installation, etc., which increased the influence and visibility of the SSL applications and public awareness efficiently.

Your designated representatives are formally invited to receive this Award in the Award Ceremony at the ISA 2019 General Assembly, in Rose Hall 3 (玫瑰厅 3), Shenzhen Exhibition Center, Shenzhen, China, 09:00 - 12:00, on Nov. 25th, 2019.

Please contact Ms. Zhao Jin (jinzhao@isa-world.org) at the ISA Secretariat to confirm

I sincerely congratulate you and your organization to win this award and I am looking forward to seeing you in this coming November.

Yours Sincerely,

Jianlin Ceo

Iianlin Cao

President of ISA

Jaquar & Company Privage Limited

ELCOMA Promotes Standardization in Products



Creating Standards for Indian Conditions

Due to tough Indian environmental conditions, ELCOMA has been spearheading the initiative of localizing all Indian Lighting Standards along with the Bureau of Indian Standards (BIS) and Bureau of Energy Efficiency (BEE)

Indian products have some of the highest specifications in the world and are among the lowest priced too







ELCOMA Builds Relationship with Government

The government has recognized ELCOMA as the apex body of Lighting Manufacturers in India











ENERGY EFFICIENCY SERVICES LIMITED EESL A JV of PSUs under the Ministry of Power





Launched in 2015, the Unnat Jyoti by Affordable LEDs for All (UJALA), in a short span of three years, has emerged as the world's largest domestic lighting programme. Developed to address India's high cost of electrification and high emissions from inefficient lighting, UJALA's success lies in its inimitable strategic approach to energy efficiency.

The company's innovative business model obviates the need for DISCOMs to invest in the upfront cost of energy efficient appliances. EESL procures the appliances and provides them to consumers at a rate of Rs. 70/ LED bulb, Rs. 290/ LED tube light and Rs. 1,110/ fan respectively, which are much below the market price.

Going forward, the company aims to distribute 77 crore LEDs by March 2019 across 100 cities. The UJALA scheme will thus, make an enormous impact by securing: annual energy savings of 10,000 crore kWh, 79 crore tonnes of reduction in CO2 emissions per year and avoid capacity generation of nearly 20,000 MW.

ENERGY EFFICIENCY SERVICES LIMITED EESL A JV of PSUs under the Ministry of Power





Launched in 2015, EESL's Street Light National Programme (SNLP) has been instrumental in replacing over 50 lakh street lights in over 500 cities in India, leading to 135 crore kWh of energy savings and cost saving of INR 742 crore every year.

These "smart lights" are connected through a web-based monitoring system that enables remote operations and additional operational savings.

A seven-year contract with the local bodies guarantees a minimum energy saving of typically 50% and provides free replacements and maintenance of lights at no additional cost to the civic partners.

ELCOMA mandate was to interface with government to resolve various issues faced by manufacturers in India, and find solution to ever increasing power demand.



ELCOMA Promotes

International Relationships





ELCOMA's presence in various countries, providing in depth information about Indian Lighting Industry has proved fruitful and as a result many members have built good international business relationships, learnt new technologies and applied various schemes and systems for bringing in energy efficiency to India.





Invites Delegates to Visit India



GLOBAL LIGHTING ASSOCIATION



- Shares knowledge on global trends as well as legislative and regulatory developments and opportunities in lighting
- Shares information on the activities of individual association
- Anticipates and initiates policies and actions in areas of common interest
- Provides governments with relevant product and market information

International Solid State Lighting Alliance



- ISA Technical Committee on Standardization
- Global SSL Industry Reports
- International/Regional Cooperation on SSL
- Global SSL Awards
- ISA-ECC Smart Street Lighting System Specialized Committee
- Global SSL Forums and Training Workshops

International relations have been at the peak in last so many years. ELCOMA is on the board of various International bodies like International Solid State Lighting Alliance (ISA), Global Lighting Association (GLA), UNEP etc

International Alliances



ELCOMA is Environment Friendly

Pilot Program for Safe Disposal of CFL Bulbs and Tubes in Delhi, Mumbai and Goa

Support provided by ELCOMA at RWAs for Safe Disposal of CFLs and FTLs

- Break-Safe and spill-proof Bags placed at all RWAs which were supplied by Signify Innovation (formerly known as Philips Lighting India Limited)
- Banners displayed at various points at each RWA
- T-shirts worn by all staff "I Support CFL Safe Disposal Program" provided by Surya Roshni
- Official circular sent to all homes of each RWA
- newspaper inserts at 2 lakh households
- All used lamps dropped in the boxes were collected and delivered to authorized safe disposal agency





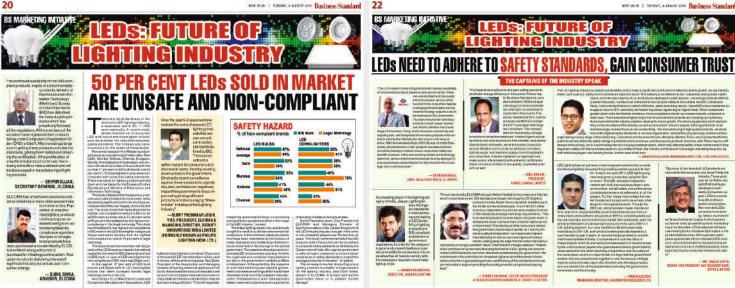




ELCOMA Brings Awareness on Product Quality



Advocacy against spurious products



Lighting company in trouble for BIS violation These Newsons Chemical A lows of officials from the waters regulated with the BIS and adding the solve with the BIS and adding the solve with the BIS and a diling the solve with the BIS and a diling the solve with the BIS and a diling the solve with the BIS and the Political Sequentials Bismant Indiana and Bibling to many in Biblings are reported in Bismant of Biblings and Bismant In Bisma







Electrical goods with fake logo seized

Chennal: For the first time in Chennal, Bureau of Indian Standards (BIS) has seized nearly 1,000 electrical goods which had fake BIS logos on them. Officials said this is the first incident in Chennal after the Centre passed the Compulsory Registration Scheme for electronic goods, under which a trader is mandated to register the goods he sells with BIS logos. During raids at Leo Industrial Estate at Pallikaranal on Tuesday, officials found that manufacturers had allegedly misused BIS logo and BIS Compulsory Registration Mark on LED fluorescent lamps, street lights and flood lights. "Though we have seized steel, gold, water pipes and electric cables for violating BIS Act of 2016 earlier, this is the first time we came across electrical goods in such a large number," a BIS official said. Those who wish to report such cases can contact BIS office at 044-22541220 or can send an e-mail to sro@bis.org.in.







ELCOMA Promotes New Technology



CFL



LED Lamps



Intelligent Lighting

It has been priority of **ELCOMA** and the Indian Lighting Industry to bring in latest technology products for consumers. Various workshops and conferences have been organized from time to time where not only **ELCOMA** members but many stake holders from government departments, BIS and even internationally renowned experts have joined as delegates, to impart their knowledge to the participants



Li-Fi

Li-Fi (or Light Fidelity) is a wireless communication system and technology that is capable of transmitting data at high speeds over the visible light, ultraviolet, and infrared spectrums using the modulation of light intensity to transmit data.

Li-Fi can theoretically transmit at speeds of up to 100 Gbit/s and the capability to change our lives beyond communications in the future.



ELCOMA Defines Future of LED Lighting



ELCOMA Promotes "Make in India"





VISION 2022

ELCOMA Vision 2022 aims to...

- Promote lighting manufacturing in India
- Promote manufacturing of at least 80% of components in India by year 2022
- Export 40% of LED Lighting Products that are made in India
- Have own Lighting Excellance Centre



A View of ELCOMA Office









Reception



We are very thankful to all ELCOMA members without whose support ELCOMA would not have completed 50 years.

Its the love and friendship among all the members that adhered ELCOMA as one family.

We are also thankful to various ministries in Govt of India who extended full support.

We also thank our various suppliers service providers and Messe Frankfurt our partner for Light India Exhibition

MEMBERS OF BOARD



Raju Bista PRESIDENT



Sumit Padmakar Joshi
VICE PRESIDENT



Avinder Singh TREASURER



Sunil Sikka ADVISOR



Shyam Sujan Secretary General

ELCOMA - Serving the Lighting Industry for many years to come

