

## About us

KSEB Engineers' Association (KSEBEA) is a professional body of power engineers and always strives to impart professional excellence amongst its members. Apart from imbibing professional excellence, the association is constantly striving for the improvements of service conditions and quality of professional work ever since its formation, without any political affiliation. The KSEBEA has the track record of regularly conducting the Annual General Body and the 62nd AGB was held on 24th May 2015.

The Association publishes technical journal HYDEL, monthly newsletter HYDEL BULLET and Technical Handbook for Power Engineers. Every year, best performing Assistant Engineers in the Generation, Transmission & Distribution wings are awarded with the Er.K.P.S.Nair award.

The KSEBEA also conducts awareness programmes on topics like energy conservation, electrical safety etc. for all stakeholders like consumers, consultants, technicians & school children, conducts annual competitive seminar for engineering students of engineering colleges with cash prizes and also awards the Er.M.V.Jacob Memorial Endowment Award for the best innovative idea presented in the seminar.

**Centre for Excellence in Engineering and Business Administration (CEEBA)**, the forum of KSEB Engineers Association, strives to bridge the knowledge gap consequent to new developments in the field of Electrical Engineering and Power sector and to impart necessary managerial skill required for leading our organisation to achieve greater heights in the service delivery process.

## Need and aim of the workshop

Globally, buildings are responsible for approximately 40% of the total world annual energy consumption. Most of this energy is for the provision of lighting, heating, cooling, and air conditioning. The ongoing power crisis in Kerala is likely to last for years or even decades to come as there is no sign of hydroelectric projects to produce required amount of power. Any expansion of energy production must focus on minimising environmental damage. An energy policy that is socially, economically and environmentally fair and sustainable will be sensitive to the sustainability of the sources of this energy. It was therefore considered desirable to reduce energy consumption and decrease the rate of depletion of world energy reserves and pollution of the environment.

Exploitation of renewable energy in buildings can significantly contribute towards reducing dependency on fossil fuels. Therefore, promoting innovative renewable applications and reinforcing the renewable energy market will contribute to preservation of the ecosystem by reducing emissions at local and global levels.

India's solar market, especially solar photovoltaic, has seen significant growth after the launch of the Jawaharlal Nehru National Solar Mission in 2010. The Government of India is determined towards achieving 100 GW of grid interactive solar power capacity by 2020, of which 40 GW would be deployed through decentralized and rooftop-scale solar projects.

Solar PV would play a prominent role in meeting energy demands across segments. It has already achieved grid parity for commercial and industrial consumers, and fast becoming attractive for residential consumers as well. Grid-connected Solar PV systems can play an important role in providing reliable and assured power for buildings and establishments. Ministry of New and Renewable Energy is implementing a "Grid Connected Rooftop and Small Solar Plants Programme" in which solar rooftop plants from 1kWp to 500kWp capacities are set up. The KSERC (Grid Interactive Distributed Solar Energy Systems) Regulations, 2014 applicable to distribution licensees in Kerala and to the consumers availing electricity at a voltage level of and below 11000 volts, has come into effect from 11.06.2014. Therefore, there is a need for awareness creation about grid-connected solar PV systems/ technology packages and policy support in terms of regulations for net metering, grid-interconnection, and energy accounting.

## Who should attend

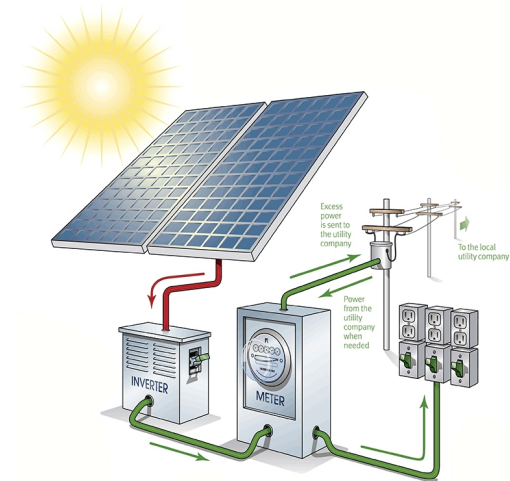
- Building Designers and Owners
- Electrical Consultants and Contractors
- Energy Users in Business and Industry
- Technicians in Healthcare and Hospitality
- Banks and Financial Institutions
- Academics and Research Scholars
- Environmental NGOs

## Nominations

This is truly a unique program, so please do consider nominating high potential individuals from your organisation to participate.

Nominations as per the enclosed nomination form should reach latest by **10.02.2016**.

For more details and nomination form, please visit our website: [www.ksebea.in](http://www.ksebea.in)



## Distinguished Speakers



### Jayaraman C

Guest Lecturer at Amrita School of Business

- Has 25 years experience in Petroleum refinery as Electrical Engineer
- Worked as the State Coordinator of Petroleum Conservation research Association for 5 years
- Passionately working for the cause of Energy Conservation for the past 15 years

Topic: **Energy, Environment and Sustainable Development**



### Mahesh P Bhawe

Visiting Professor, Strategic Management, IIM-Kozhikode

- LEED AP - Leadership in Energy and Environmental Design, Accredited Practitioner
- Consultant to KSEB for solar deployment
- Advisor to a public IT company expanding into solar and wind energy

Topic: **Entrepreneurial Opportunities in the Emerging Electricity Industry**



### Rajan Babu P.C.

Chief Electrical Inspector (Rtd), Govt. of Kerala

- Worked as Electrical Engineer, Raha Electricity Company, Saudi Arabia
- Electrical Consultant to various industrial organizations in Public and private sector

Topic: **Grid Connected Solar Energy – kW to MW**



### George V James

Project Manager, Kozhikode Diesel Power Project

- Has 20 years experience in transmission & generation of electricity
- Over 5 years overseas experience in Gas Insulated Substation design and construction

Topic: **Grid Connected Solar – Regulations and Procedures**

## Technical Advisory Committee

- Patron** : Er. JAMES M DAVID, Chief Engineer (Transmission-North), Kozhikode  
**Chairman** : Er. GEORGE P SCARIA, Deputy Chief Engineer, Electrical Circle, Kozhikode  
**Vice-Chairman** : Er. RAJAN JOSEPH, Deputy Chief Engineer, Electrical Circle, Vatakara  
**Convenor** : Er. GEORGE V JAMES, Project Manager, Kozhikode Diesel Power Project

## Contact Persons

**Er. JAYAKUMAR C.K.**  
Asst. Ex. Engineer  
Kozhikode  
Mobile: 9447636149

**Er. HARIPRASAD M**  
Asst. Ex. Engineer  
Nallalam  
Mobile: 9496010988

**Er. PRAMOD P.V**  
Asst. Ex. Engineer  
Vatakara  
Mobile: 9496011048



**KSEB ENGINEERS ASSOCIATION**  
KOZHIKODE DISTRICT UNIT

E-mail: [ksebea.kozhikode@gmail.com](mailto:ksebea.kozhikode@gmail.com)  
Website : [www.ksebea.in](http://www.ksebea.in)



## KSEB ENGINEERS' ASSOCIATION KOZHIKODE UNIT

### National workshop on Sustainable Energy Management using Grid-Connected Solar Systems

12th February, 2016

9am to 5pm

Hotel Sea Queen, Beach Road, Kozhikode



**KSEB ENGINEERS ASSOCIATION**