

Registration

Registration is a must and there is no registration fee. The Registration form should be filled and sent to the Organizing Secretary before the last date of 22.02.2012. There are limited entries in registration. So the participants are allocated on first come first serve basis.

Resource Persons

Resource persons from ISRO, BARC, AEC, TNEB, CSIR, IIT, NIT and Higher learning institutions and industries.

Beneficiaries

Engineers, Industrialist, Businessmen, Researchers, Students and interested Public and media persons.

Organizing Committee

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National Seminar on POWER CRISIS AND RENEWABLE ENERGY

3rd March 2012



Venue

K. S. Auditorium
Thiagarajar College of Engineering, Madurai

Organized by

The Institution of Engineers (India)
Madurai Local Center
&
Thiagarajar College of Engineering
Madurai



Registration Form

One day National Seminar on
Power Crisis and Renewable Energy
3rd March 2012

Please complete this form and submit it on
or
before 22nd February, 2012.

Name :

Affiliation :

Address :

E-mail :

Tel No :

Date :

Place :

Applicant's Signature

Signature of Head of Institution/Organization
(With Seal)

Mailing Address :

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Professor & Head, EEE Department
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One day National Seminar on Power Crisis and Renewable Energy

About the Organizers

The Institution of Engineers (India)

The Institution of Engineers (India) is a premier engineering professional society and represents over 3 lakhs engineers from within the country and abroad.

The Institution has been the founder member of the World Energy Council (WEC) since 1924, the Commonwealth Engineers' Council (CEC) since 1946 and the Federation of Engineering Institution of South and Central Asia (FEISCA) since 1982.

The IEI feels proud its growth over the years as it can now boast of nearly 76,000 corporate members, 3,11,000 non-corporate members and 16,00,000 examinees. The IEI has spread its services through its 101 Centers throughout the country and abroad. The IEI has also established six peripheral bodies, namely, the engineering staff college of India (ESCI), Hyderabad, National Design and Research Forum (NDRF) Bangalore, Rural Development Forum (RDF), Water Management Forum (WMF), Ahmadabad, Sustainable Development Forum (SDF) and Safety Quality Forum (SQF) at New Delhi.

As a landmark achievement, the I.E.I (India) obtained the full membership of the Engineers Mobility Forum (EMF) for India during the International Engineers meet held at Kyoto, Japan during 2009. The title of

Joint organizer

Thiagarajar College of Engineering, Madurai.

Thiagarajar College of Engineering (TCE), Madurai, an ISO 9001:2008 certified Institution, affiliated to Anna University is one among the several educational and philanthropic institutions founded by Philanthropist and Industrialist Late. Shri. Karumuttu Thiagarajan Chettiar. It was established in the year 1957 and granted Autonomy in the year 1987. TCE is funded by Central and State Governments and Management and all courses are approved by All India Council for Technical Education, New Delhi and accredited by National Board of Accreditation. TCE offers Seven Undergraduate Programmes, Fourteen Postgraduate Programmes and Doctoral Programmes in Engineering, Sciences and Architecture. TCE is an approved QIP centre for pursuing Ph.D. Programmes in Engineering.

Objective

The primary objective of this seminar is to successfully establish a platform to accelerate and enhance the global utilization of renewable energy sources throughout the world, promoting an environmentally sound economic development.

Theme

Now a days, the news columns of dailies carries that the common man come to street in protest against frequent power interruption and hour long outages. The situation which was only in rural areas have now spread over to the cities. The Industries complain about their loss of production and waste of labour and do not know how and when it will be solved. As the latest problem, the coal shortages are reported by Thermal plant operators. Whether India can achieve self sufficient in Power? The target for 11th five year plan was 70,000 MW. But we are not able to achieve the target. A short fall of about 15% is expected. Out of our power projects 70% are Thermal. Even if we achieve the installed capacity, we may not be in a position to feed the thermal stations with coal. Under the above situation the next large scale alternative is Nuclear Power and Renewal Energy sources only.

The Nuclear Plants accident in Japan has created a concern on the safety aspects of nuclear reactors. To bring our country as a well developed one, self sufficiency in Power Generation is very essential. There is a lot of scope for development of Renewable energy sources such as Wind, mini Hydro, Solar, Biomass, Urban/Industrial waste, co-generation etc. The existing wind and solar energy project due to their uncertainty, causes numerous problems to the grid. Their connectivity could not be increased, unless an equivalent supportive Captive or hydropower system or a system of huge energy storage facility is created by huge batteries etc., Besides, there is large scope for energy conservation especially in Agricultural, Small & Medium Enterprises and domestic section, by use of Energy Efficient Equipments, Lamps, and Energy efficient building construction, use of sensors

Sub themes

- ❖ Solar Thermal and Photovoltaic Systems
- ❖ Nuclear Energy
- ❖ Wind Energy Systems
- ❖ Hydro Energy Systems
- ❖ Fuel Cells
- ❖ Hybrid Electrical Vehicles & Batteries
- ❖ Renewable Energy in Distributed Power generation
- ❖ Smart Grids & its challenges
- ❖ Power Quality issues and mitigation methods
- ❖ Novel Power Converter Topologies
- ❖ Energy Conversion, Conservation and Energy Efficiency
- ❖ Economic analysis, Security assessment and risk analysis in renewable