

National Seminar on

Electrical and Fire Accidents in Power Industry - Causes and Prevention

Date : 23-24 June 2022

Venue : National Skill Development Forum, The Institution of Engineers (India), Shimla



*Avoid Accident
Save Assets & Life*

Organized by



Central Board of Irrigation and Power

In association with



National Skill Development Forum (NSDF)

An Autonomous Fora of
The Institution of Engineers India

Why the Subject is Important

In India

- Asset loss
- Almost 1000+ people die due to electrocution every day.
- 13% of accidental fire due to short circuit.

Key Takeaways

- Regulation regarding safety.
- Importance of Electrical & fire Safety for Human & Equipment and accident prevention.
- Awareness about Risk Assessment, Hazard identification & its control.
- Modern trends and new technologies.
- Attitudinal changes of staff.

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AIM & OBJECTIVE OF THE CONFERENCE

Quite a few people lose their lives in the country on account of unfortunate fatal accidents due to failure of electrical equipment, short circuit etc. Considering seriousness of this issue and keeping in importance of human life, **CBIP has decided to organize a National Seminar on 'Electrical and Fire Accidents in Power Industry - Causes and Prevention' in association with National Skill Development Forum (NSDF), The Institution of Engineers (India), Shimla on 23-24 June 2022 at Shimla.**

Accidents also happen in the field due to damage of equipment attributed to deficiencies like faulty design, Poor quality deficiency in Manufacturing process, Poor Transportation, Erection and Commissioning, negligence, over confidence, lack of maintenance and Supervision, ignoring the safety instructions, lack of training to staff etc.

Though Electric and fire safety, Disaster Management are the key areas where more attention is required to be given but unfortunately these areas are generally ignored and given casual attention. CBIP, while appreciating the concern, has included these important areas in the ambit & scope of its training activities and already conducted many training programs in organizations like NHPC, KPTCL etc. on the subject of Electrical and fire safety.

The technical audit of Power plant and sub stations is also very important which points out the technical deficiencies in the system and can help in avoidance of major accidents. CBIP has recently conducted technical audit of Power Plants and switchyards and substations. Besides above, there is lot of concern with power utilities, about the high rate of failure of distribution transformers in service. The failure rate of Distribution transformers in India is of the order of 8 to 10% as against less than 1% in developed countries. Likewise further rate of damage of Power transformers is of the order of 2-3% in the country whereas it is about 1% in advanced countries. Basically no one wants to share responsibility of failure. Manufacturers often blame the utilities for running the transformers on overload, unbalancing and poor maintenance whereas users are of the opinion that the cause of failure is due to faulty design, bad materials and poor workmanship. This Conference is important due to the fact that in India almost 16 people die due to electrocution every day 13% of accidental fire is due to short circuit.

ABOUT CBIP

The Central Board of Irrigation and Power (CBIP), a premier institution, was constituted in 1927 by the Govt. It is serving the Nation in the disciplines of Water Resources, Power and RE Sectors for more than 95 years.

The main objective of CBIP is dissemination of technical knowledge through various modes, such as :

- Organizing National and Intl. Conferences, Symposiums, Seminars and Workshops, training programme etc.
- Publication of technical documents e.g., manuals, technical reports, guidelines and journals etc.
- To provide information about technological developments to the engineers/professionals and other stake holders.

ABOUT NATIONAL SKILL DEVELOPMENT FORUM (NSDF) - LATEST AUTONOMOUS FORA OF IEI

NSDF, is up gradation of Centre for Skill Development and Engineering Consultancy (CSDEC), a 'State of Art' equipped centre of excellence for learning established under the aegis of Institution of Engineers (India). CSDEC through various programs enhanced the skills and competencies of more than 2500 serving professionals & executives from all corners of India since May 2015, which in return has rewarded CSDEC with excellent reputation in skill development, functional competencies enhancement, hospitality, top level facilities and high end ambience.

TOPICS

There will be presentations by the experts covering the following Topics:

- CEA regulation regarding safety
- Electrical hazard awareness and Fire Safety Management
- Safety requirement for electrical installations; overhead lines, underground cables
- Generating stations/ Sub-stations, Equipment etc.
- Fire protection measures in electric substation and substation equipment e.g. Switchgear panel etc.
- Importance of Automation, SCADA, Smart Meter for accident prevention
- Fire safety and evacuation
- Accident causes, prevention & reporting
- Fire prevention measures in power transformers other assets and accident prevention
- Electrical Safety in distribution transformers
- Modern trends and adoption of new technologies
- Attitudinal changes of staff
- Routine technical audits of assets/ equipment/ installation/ substation etc.
- Importance of Training, Mock Drill and Fire Audits
- Specification, design and material
- Condition monitoring of equipment and installation
- Various case studies on the subject

PRESENTATIONS BY EXPERTS

The Eminent experts from Utilities and Industries on the subject have been invited to deliver expert lectures during the Seminar. The professionals who desire to make presentations/case studies on the above subject are also welcomed. The abstract/PPT may be sent to the CBIP office in advance positively by 12th June 2022.

WHO SHOULD ATTEND

The conference will be of special interest to:

- Planners, Independent power producers, Operators, Consultants, Electrical Contractors
- Researchers / Academicians, Manufacturers, Power Utilities / Corporations, State Govt. / SEBs, etc.

DATE AND VENUE

The conference will be held on 23-24 June, 2022 at National Skill Development Forum (NSDF), The Institution of Engineers (India), Engineers Bhawan, Nigam Vihar, Shimla.

The conference timings will be 10.00 AM to 5.30 PM on both the days. The registration will start at 9.00 AM on 23rd June 2022.

REGISTRATION FEE

All those who wish to participate in the conference are expected to register in advance by sending the details through email to the organizers along with payment of registration fee as indicated under:

1. Non – Member fee is Rs. 10,000/- per participant
2. Discounted fee for members of CBIP is Rs. 8,000/- per participant
3. Special Discounted fee for students is Rs. 2,500/- per student

GST @ 18% shall be charged extra GST No. 07AAAJC0237F1ZU

The Registration fee covers the registration kit, tea/coffee/lunch during the conference. The conference is non-residential. Participants will have to make their own arrangements for travel, boarding and lodging etc.

All payments be made through cheque at par in favour of 'Central Board of Irrigation & Power', payable at Delhi or amount deposited/ transferred to HDFC Bank, CBIP A/c no. 00031110004411, MICR No. 110240001, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi – 110001

After making of the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

SPONSORSHIP OPPORTUNITIES

The conference provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with engineers of utility, manufacturers and academic institutions during tea/coffee and lunch intervals. Main banner and other publicity material related to conference and will have the privilege of distribution of their product's pamphlets/catalogues during the event. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Platinum Sponsor: Rs. 5,00,000/-	Gold Sponsor: Rs. 3,00,000/-	Silver sponsor – Rs. 2,00,000/-
<ul style="list-style-type: none">• 10 delegate passes for participation in the conference• Company logo on main backdrop and other banners• Company logo on Cover page of Proceedings Volume/ Base Paper• Advertisement (Prominent Position) in the Proceedings Volume• Circulation of Company Literature during the event• Announcement -Thanking sponsor• Speaking Opportunity• Invitation to the key person of the organization as special invitee during Inaugural session• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.	<ul style="list-style-type: none">• 05 delegate passes for participation in the conference• Company logo on main backdrop and other banners• Company logo on Cover page of Proceedings Volume/ Base Paper• Advertisement in the Proceedings Volume• Circulation of Company Literature during the event• Announcement -Thanking sponsor• Invitation to the key person of the organization as special invitee during Inaugural session.• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.	<ul style="list-style-type: none">• 03 delegate passes for participation in the conference• Company logo on main Backdrop• Company logo on Cover page of Proceedings Volume/ Base Paper• Announcement – Thanking sponsor

For further details, please contact the Conference Secretariat.

CONFERENCE SECRETARIAT

Shri A.K. Dinkar, Secretary, CBIP

Shri Sanjeev Singh, Director, CBIP

Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi - 110021

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23-24 June, 2022

National Skill Development Forum, The Institution of Engineers (India), Shimla

REGISTRATION FORM

(To be filled in block letters preferably)

1. Name : _____
2. Position : _____
3. Organization : _____
4. Address : _____
5. Phone : _____ Fax No. _____
6. Email : _____

Dated _____

Signature _____

Details/ Amount of Registration fee Paid:

All payments should be made by cheque at par/Demand Draft drawn in favour of “Central Board of Irrigation and Power”, payable at New Delhi OR by transfer the amount to HDFC Bank, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi 110001; Saving Bank Account No. : 00031110004411; Swift Code: HDFCINBBDEL; IFSC: HDFC 0000003; MICR Code: 110240001. (GST No. 07AAAJC0237F1ZU).

After making the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

Registration Form, duly filled in, is to be mailed to the following address:

Shri A.K. Dinkar

Secretary, Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Tel: 91-11-26115984/26116567 Fax: 91-11-26116347

E-mail: vishandutt@cbip.org; batra@cbip.org Web-site: <http://www.cbip.org>

Note:

- Photocopies of the registration form can be used for additional requirements, if any.
- Spot registration facilities will also be available, provided the prior information is received.