

## Central Electricity Authority (CEA) & International Copper Association India (ICAI) organized '4th National Workshop on Electrical Safety'

The workshop aimed to enhance Electrical Safety environment in India, and heighten effective implementation of National Regulations, Codes & Standards

Electricity is a familiar and essential part of everyday life, but negligence can kill or severely injure people and cause damage to property. Raising awareness about electrical hazards is key to reducing electrical fires, injuries, death and property loss. Chief Electrical Inspectorate Division of Central Electricity Authority along with International Copper Association India (ICAI) has been jointly conducting the Workshop on Electrical Safety for the past three years. This workshop is the fourth workshop in the series, which discussed the new safety challenges due to upgradation of technology and the mitigation measures that could be taken for

- Electrical Safety in high-rise building
- Fire prevention of transformers
- Safety requirements for Electric Vehicle Charging Infrastructure

The development and application of new technologies in electrical engineering pose many challenges for the application of safety rules. These could be due to new working practices, management techniques, equipment, and increased interaction between complex systems. ICA India along with the Electrical Inspectorate Division of CEA aims to reduce the number of electrical accidents by enforcing rules, providing advice on good working practices, and developing guidance in response to technical changes in equipment and working methods. Sensitizing all stakeholders about presents challenges and use of best technology and technical practices available across the globe would lay the foundation for 'Zero Tolerance' towards Electrical Accidents and thereby ensuring accomplishment of the goal of accident-free electrical Industry.

The workshop highlighted information and knowledge on international experience, standards, various electrical practices, availability of new technologies

to reduce risks. Through the day, many stalwarts from both public and private sector put up their views on electrical safety and the need to improve upon it.

Elaborating on the subject Mr. Sanjeev Ranjan, Managing Director, International Copper Association India (ICA India) said, "Awareness of electrical hazards is crucial in reducing the staggering number of electrical fires, injuries, and deaths that occur every year. By understanding basic electrical safety principles and adhering to safe practices, many electrocutions and home fires can be prevented." He added, "We at ICA India strive to empower people with knowledge to overcome in tackling electricity hazards."

"The workshop is an excellent example of cooperation between the Government and the private sector in sensitizing stakeholders working in government, public and private sector entities on safer processes to handle electricity and electrical equipment. The aim of the workshop is to build general awareness among the larger public regarding electrical safety measures that should be adopted to minimize accidents from unsafe electrical practices," Goutam Roy, Chief Electrical Inspector, Central Electricity Authority

At the inauguration of the event, the Chief Guest, Mr. RK Verma, Chairperson, Central Electricity Authority (CEA) highlighted the need for updating the standards and regulations as per the need of the industry and the common people. Among the dignitaries present at the inaugural session were Mr. Sanjeev Ranjan, Managing Director, ICA-India, Shri. Goutam Roy, Chief Electrical Inspector to Govt. of India, Shri. D K Shami, Fire Adviser, Ministry of Home Affairs, Govt. of India & P S Mhaske, Member (Power System), CEA. The workshop and panel discussions saw about 150 delegates participate from across industrial sectors.

Participants came together to share experiences and

interact with international counterparts. They were able to learn about best practices and the need for regular and timely maintenance and safety inspections. Thus, the workshop provided a platform to discuss the key issues related to electrical safety in the country. It also helped in provisioning for standards and regulations of electrical infrastructure in India.

### About ICA India:

The International Copper Association India (ICA India) is a member of Copper Alliance and the Indian arm of the International Copper Association Limited (ICA), the leading not for profit organization for the promotion of copper worldwide set up in 1959. ICA India was formed in 1998 to actively associate with the growing number of copper users in India. The objective is to "Defend and grow markets for copper based on its superior technical performance and its contribution to a higher quality of life worldwide". ICA India conducts various programs in the interest of Electrical Safety, Energy Efficiency and Sustainability.

### About Central Electricity Authority (CEA)

Central Electricity Authority (CEA) is a statutory organization originally constituted under Section 3(1) of the repealed Electricity (Supply) Act, 1948, since substituted by Section 70 of the Electricity Act, 2003. It was established as a part-time body in 1951 and made a full-time body in 1975. The functions and duties of CEA are delineated under Section 73 of the Electricity Act, 2003. The Chief Electrical Division of CEA under section 53 and 177 of the Electricity Act has been given the responsibility to prepare regulation on the safety and electrical supply. CEI division is also responsible to suggest the Government on the amendments required in the regulation from time to time. ■

## 'National Workshop on Electrical Safety'



	Sanjeev Ranjan	
	M.D	
	ICA India	

Electricity has become an integral as well as most essential part of human life and its safety needs complete attention in every aspect as it touches all sphere of our day to day life. The ever-increasing need of enhanced productivity, increasing access, efficiency and comfort/convenience has made its usage intense in terms of quality/quantity/ form and most importantly its SAFE USAGE. Though Government of India has accorded high importance to electrical safety, but unfortunately poor

practices, improper or weak installations, undersized and inferior quality of wires in the buildings have resulted in an increasing number of electrical accidents every year. It has been found that electrical faults accounted to nearly 56% of Fire incidents, which was due to short circuit, leading to loss of precious lives and properties.. Chief Electrical Inspectorate Division of CEA jointly with International Copper Association India (ICAI) was arranged a National Workshop on Electrical Safety on

19th April, 2018 at Jacaranda Hall, Indian Habitat Centre, Lodhi Road, New Delhi. ICA India along with the Electrical Inspectorate Division of CEA aims to reduce the number of electrical accidents by enforcing rules, providing advice on good working practices, and developing guidance in response to technical changes in equipment and working methods. The workshop will highlight information and knowledge on international experience, standards, various electrical practices, availability of new technologies to reduce risks.

The speaker during the event share his ideas how to reduce the number of electrical incidences taking place now days. While talking to Mr. Sanjeev Ranjan the Managing Director (MD) of International Copper Association India.

He shared his best practices of his ideas and role which have he gained in more than 28 years of cross functional experience in related domains like manufacturing, mining and metals, oil and gas, energy and infrastructure.

He also shared his views on the key hurdles and the main points to remember for Electricals Safety in an interaction with us.

India is densely populated, state like Bihar, Karnataka have never been shows any of such electrical incidence

and until and unless no such reports been analytical, and this thing is not possible. If we looked upon the reported data reportedly published is that everyday 20 to 30 people died in electrical incident.

In the end of the day the reason is electrical short circuits.

When making the policy you know what these people can expect from you, more or less what very one want in a same way and now in second stage is for improvisations, Implementation cannot be done without .

### **What government support are you getting to stop such incident?**

Yes we are getting good, this event has been organized pan India with a participation of authorities to get people ware about the electrical safety.

Bring up the new changes to that the acceptance of the new ideas is also the other task to make people aware of these ideas.

Do you think so that to report or to stop such incident is little bit a difficult today in India?

No, nothing is difficult unless the people who dare to change.

We have to set up the right platform here are

connecting the dots our organization is nothing is impossible

He also describe the how the just dail application is usefull in this, how we can use this platform and can get information on the available.

You can search the electrician person with their complete information about that person whom you calling that this person had gone with complete standardized training program.

At initially this facility was free of cost launched through the agreement with just dial App, now people are taking annual subscription.

We every year we gave 2 to 3 standard training in tier 2 and tier 3 cites for electrician. People are accepting to earn more.

So at this platform people reached out from utility, electrical contractor, and information on electrical safety.

### **What message you like to share with our readers?**

I must say that security is the important factor of day to day life style. Keeping this in mind, many companies like Schneider Electric RR Cables have such electrical safety products. ■