

From the General Secretary's Desk



1.0 Introduction

The Institution of Railway Electrical Engineers is a professional body of Railway Electrical Engineers. It is a technical body under the auspices of Ministry of Railways sharing knowledge and experience of various Railway Engineers and others connected with Electrical Engineering. The Institution was registered at Nasik on 29th July 1995 and was inaugurated by the then Member Electrical, Railway Board Shri. V. Santhanam on 26th August, 1995 at Nasik. The institution was recognized by Railway Board in the year 1998.

2.0 Administration

The Institution is administered by a Governing Council which works under the overall guidance of the President of the Institution. Member Electrical, Railway Board is the patron of the Institution and Addl. Member Electrical, Railway Board is the President. Chief Electrical Engineer, Northern Railway, is the Hony. General Secretary of the Institution. The administrative work of the Institution is controlled by Hony. General Secretary

3.0 Aim of the Institution

The aim of the Institution is to disseminate and share the technical knowledge among the Railwaymen and industry regarding the available and new technology related to design, construction and maintenance of electrical assets. It is the plaza for adopting new emerging technology to serve the need of Railway Electrical Engineering.

4.0 Objectives of the Institution

- To promote, among persons engaged in or associated with Railway Electrical Engineering, technical knowledge of design, construction and maintenance of Electrical Engineering systems and equipments.
- Diffusion of general knowledge of qualities and specification of all Electrical Engineering material.
- To publish or to circulate for the use of the Members of the Institution any information which is likely to encourage and facilitate interchange of thought and experience.
- To promote and encourage papers, visits and discussions for the information and benefit of the Members of the Institution.

In order to give further thrust to the objectives of the Institute, the Headquarter of IREE was shifted to New Delhi in the year 1997 so as to have better liaison with the Railway Board as well as Zonal Railways.

5.0 Membership

The institution has amongst its Members, officers and supervisors belonging to Electrical discipline. Members have basic academic knowledge of Electrical Engineering enriched by long experience in the field of all the disciplines of Electrical Department of Indian Railways. The members also have a vast experience of managing Electrical Multiple Units (EMUs) type sub-urban trains in major Metropolitan cities in India. There are 700 founder members of the institution. The Present Membership of the institution is more than 1650. The Institution has chapters at the Headquarters of Zonal Railways & Production Units.

6.0 Activities

Some of the important National & International activities which have been carried out by the Institution during the recent past are as under:-

6.1 At National Level

- The Institution in October 1998 organized a workshop on the most important subject in today's era i.e. "Emerging Trends in Mass Rapid Transit System". This workshop has helped in finding technological solutions to the problems in the Mass Rapid Transit Systems and has enabled decision makers at all levels in arriving at optimum choice of the various options available.
- A Book titled "History of Electric Traction" authored by Late Sh. R.K. Vir was released on April 8th, 2011 by the then Chairman Railway Board Sh. Vivek Sahai in a grand function. The occasion was also marked with Invitational lecture on "Green Energy Initiative".
- A Technical Lecture on "AT& CL Reduction a challenge-With Power Utilities" was held on August 26, 2011. It was jointly organized with Institution of Engineers (India), Delhi State Centre.
- A Technical Lecture was organized on "Green Building Initiative" on September 21, 2011 jointly with Institution of Engineers (India), Delhi State Centre organized. During the technical lecture various Green Building Initiatives were discussed with the concern that Railway Ministry has declared the year 2011-12 as "Year of Green Energy".
- A Technical Lecture on "Hardware in Building Industries-Latest Trends" was held on September 21, 2011 jointly with Institution of Engineers (India), Delhi State Centre organized. The lecture was focused with on safety in building is very important, so quality in building materials should not be ignored and possible available high tech systems should be utilized in Building Construction.
- The Institution of Railway Electrical Engineer also joined hands with Institution of Engineers (India), Delhi State Centre and IET(UK) to organize All India Seminar on "High Speed Trains" during November 4-5, 2011. It was inaugurated by Shri K.H. Muniyappa, than Hon'ble Minister of State for Railways and Shri Kul Bhushan, Member Electrical, Railway Board as Guest of Honour. There were three Technical Sessions viz. (i) "Emerging trends in High Speed Trains", (ii)

“Indian Issues and Option-Finance”, (iii) “World Wide Scenario and Socio Aspects”. The technical session was followed by Panel Discussion chaired Shri N.Venketesan Former Member Electrical, Railway Board and other eminent panelist.

- A National Seminar on “Emerging Technologies and strategies for Green Energy in Railways” was held at India International Centre, New Delhi. The Seminar was inaugurated by Shri K.H. Muniyappa, than Hon'ble Minister of State of Railways and Shri Kul Bhushan, Member Electrical was guest of Honour. The seminar witnessed participation of nearly 100 professionals from various zones of Indian Railways. The deliberations during the Conventions were spread over full day comprising of Inaugural function, two Technical session followed by Panel Discussion and Valedictory Session.
- It was decided to celebrate the 3rd February of every year as “Railway Electrical Engineers Day” to mark the running of Ist Electric Train on 3rd February, 1925 between than Bombay VT and Kurla on harbour Line.

The Ist Railway Electrical Engineers Day was celebrated on 3rd February, 2012 at New Delhi. Shri Vinay Mittal, Chairman Railway Board, Shri Kul Bhushan, Member Electrical/Railway Board and Shri A.K. Vohra, Member Staff/Railway Board amongst the other two graced the occasion. On the occasion a documentary film titled “Prodigy of Indian Railway” was released by Shri Kul Bhushan, Member Electrical, Railway Board and Shri A.K. Vohra, Member Staff, Railway Board. The same was screened showing the history of Electric Department in general and electric traction in particular. The Ist Railway Electrical Engineers Day was attended by more than 300 IRSEE Officers with their Spouses.

- IREE and IET (UK) jointly arranged a Seminar on “Mass Transport Systems in Urban Development-Trends and Challenges in India at India International Centre, New Delhi on 29th December, 2012. The Seminar was inaugurated by Dr. Sudhir Krishna, Secretary, Ministry of Urban Development, Govt. of India. Shri Satish Kumar, Director/Elect./DMRC. A number of speakers from DMRC expressed their views on this topic. Nearly 100 participants from various government and other organizations attended the Seminar.

6.2 At International Level

- An International Seminar was organized on "Emerging Technologies & Strategies for Energy Management in Railways & Exhibition" at Pragati Maidan, New Delhi on 21st & 22nd October, 2008. The Seminar was inaugurated by Shri Lalu Prasad Yadav, the then Hon'ble Minister for Railway and was spread over seven sessions. This Seminar was significant in the backdrop of liberalization that facilitates technology import and setting up of industries in India. The Seminar had given an opportunity to manufacturers, developers, policy makers, various Govt. Agencies, technical experts and also stake holders to discuss and review and present status on Indian Railways and scope for introduction of new technology in various electrical fields.
- The IREE associated with IET to arrange 'the Lord Austin Lecture' delivered by Lord Berkley a Board Member of European Rail Freight Association on 29th October, 2012 at National Rail Museum. Lord Berkley created a platform to discuss and debate the opportunities and challenges faced by the Rail sector and sharing valuable lessons for the Indian Rail sector. Shri

Kul Bhushan, Member Electrical, Railway Board was also honored by IET(UK) for his valuable contribution in the field of Electric Traction and Energy Conservation.

- A Technical talk of "Safety in Railways" delivered by Peter Shepherd from M/s Bombardier UK and chair IET Transport panel on 1st November, 2012 at Rail Bhawan.
- Now, the Institution is organizing International Seminar on "High Speed Trains-Issues and Options" at Manekshaw Centre, New Delhi on 1st & 2nd February, 2011. The seminar will be inaugurated by Shri Pawan Kumar Bansal, Hon'ble Minister of Railway. The two days affair is spread over five sessions and will cover different aspects including various Issues and Option for Indian Railways for going for high speed trains. Deliberations will also include Financing Models & Commercial Sustainability, Economic, Social, Environmental Issues. The Seminar will also focus on Emerging Trends in High Speed Passenger Rail Systems World Wide and their Development in India. Through dissemination of knowledge and discussions, the forum aims to forge recommendations for evolving strategies to hasten the decision for High Speed Trains Projects in India.

On this occasion, an Exhibition is also being organized, which will also be inaugurated by Hon'ble Minister for Railways.

The IREE acknowledges technical contributions of all speakers from overseas and within the country from various Ministries, Zonal Railways and from leading industries and research institutions and the entities who will be displaying their products and concepts at the exhibition.

7.0 Future Plans

To make Institution more vibrant and to diversify its activities further, it has been decided to appoint an Executive Director of the institution. The Institution plans to introduce Diploma Courses on Electric Traction to spread general awareness and technical insight about Electric Traction and other Railway related Electrical Engineering subjects. The syllabus for the Course is under finalization and to start with, these will be initiated at four centres i.e. Delhi, Kolkata, Mumbai and Chennai. IRIEEN/Nasik will provide all necessary assistance in organizing contact classes and the examinations to be held after each semester.

All Zonal Railways/Production Units which are the chapters of the Institution headed by respective Chief Electrical Engineers have also been requested to conduct various activities under the banner of IREE and give feed back to the Hd. Qtrs. Office.

To keep all the members informed of the various on-going activities of IREE, to start with half yearly News bulletin is also proposed to be released on 3rd February, 2013 which will be celebrated as the 2nd Electrical Engineers' Day.

The suggestions from all the members are welcome to make the activities of Institution broad based and purposeful.



(Mehtab Singh)
Hony. General Secretary