

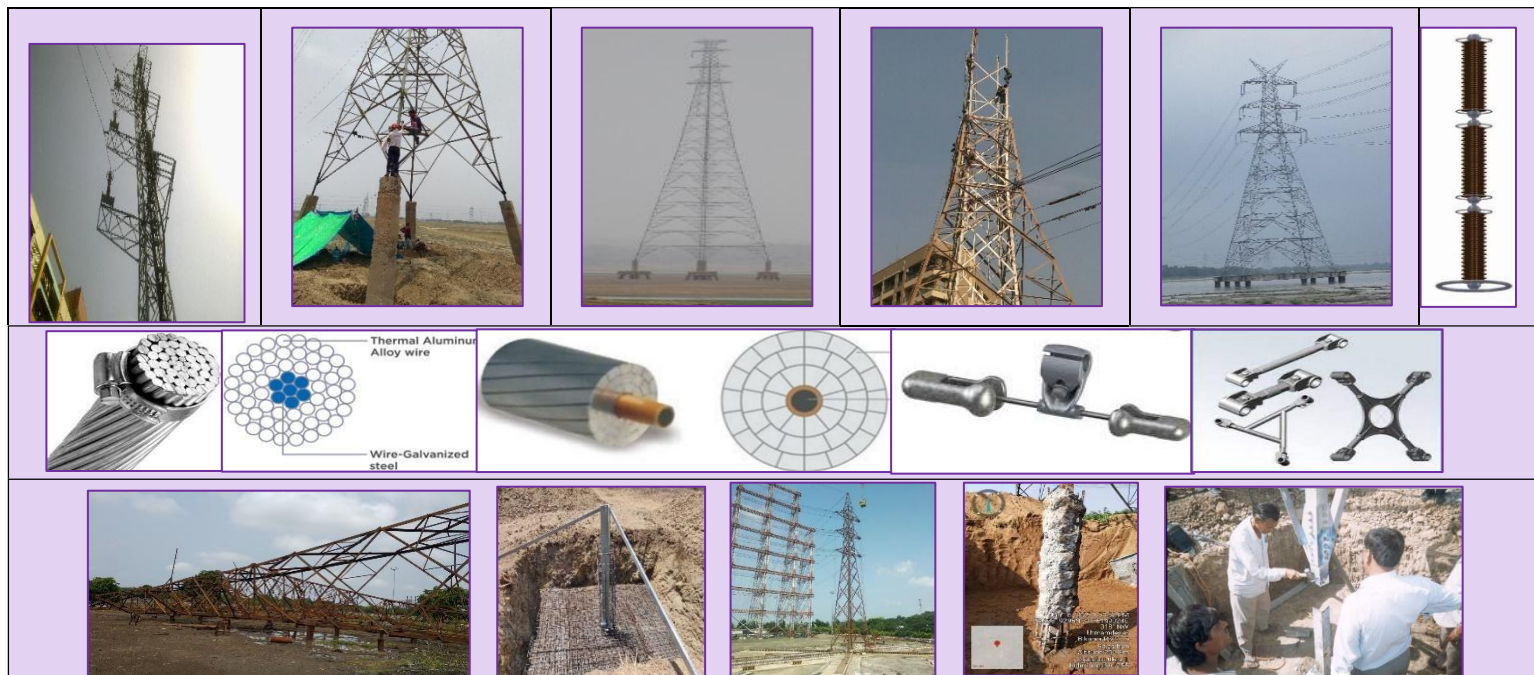
3 - DAYS TUTORIAL AND CONFERENCE ON

“Design s Construction of Transmission Line”

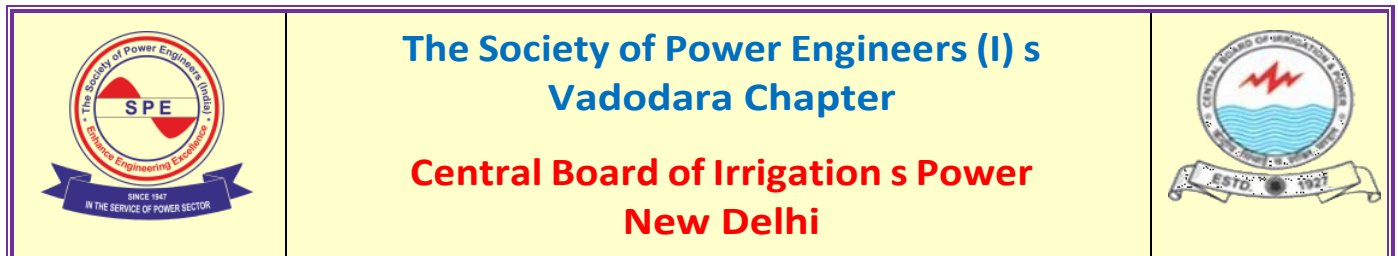
AT

**Federation of Gujarat Industries (FGI),
Gotri - Sevasi Road, Gotri, Vadodara, Gujarat**

5-7 November 2025 (Wed-Thurs-Fri)



JOINTLY ORGANIZED BY:



The Society of Power Engineers (India) Vadodara Chapter

B-414/415, Monalisa Business Centre, Near Samanvay Saptarshi, Manjalpur, Vadodara 390 011

E-mail: spevadodara01@rediffmail.com,

WhatsApp M – 9328658594 Web: www.spevadodara.in

Introduction and Announcement:

The Society of Power Engineers (India) is an apex body functioning under the aegis of Central Board of Irrigation & Power (CBIP), New Delhi, a National Organization engaged in providing an opportunity to the Students, Academicians, Practicing Engineers and Individuals to update knowledge in Electrical and allied Engineering as well as supporting activities of betterment in the Power Sector and Industries. The Head Quarter of SPE (I) is in New Delhi with Chapters all over the country. The Vadodara Chapter of SPE (I) is the most prominent one with a total enrolled membership of about 2500, which includes Student members, Life Members / Fellows and Institutional Life members. These members are from Power Utilities, Electrical Equipment Manufacturers, Multi-National Companies / Industries, Public Sector Enterprises, Academicians (Colleges and Universities) as well as Consultants from Civil, Structural, Electrical, Mechanical, Metallurgical and other branches of Engineering. The Chapter regularly organizes monthly Lectures, Seminars, Workshops, Symposiums, Conferences and Training Programs for the benefit of all the Members as well as for Industries and Academic Institutions.

The Country is undergoing rapid development in Power Sector with Solar and Wind Power being fore runners. Besides, mega capacity thermal power plant (800MW) are also being installed in the coal bearing states. Rapid development in generation has to be supported by Transmission Network. Initiative of Central Government of last 15 years has resulted in construction of large number of 400KV & 765KV HVAC and ± 500 KV C ± 800 KV HVDC Transmission Lines under the Tariff Based Competitive Bidding (TBCB) model. These Transmission Lines are working as main feeders for state utilities.

According to the Government of India's current plan, the target for transmission line capacity by the end of 2030 is to facilitate the transmission of 500 Gigawatts (GW) of non-fossil fuel based energy through a dedicated transmission system, aiming to achieve 50% of the country's power generation from non-fossil sources. The plan includes building new transmission lines and upgrading existing infrastructure to handle the increased renewable energy capacity.

Keeping above in view the SPE (India) Vadodara Chapter have planned to organize a “3-Days Non-residential Tutorial and a Conference on “Design and Construction of Transmission Line” from 5th to 7th November 2025 (Wednesday to Friday) at Federation of Gujarat Industries, Sevasi Road, Gotri, Vadodara.

The intention of this Event is to upgrade the knowledge of the participants regarding the design, Engineering, construction, operation and maintenance of EHV / UHV transmission lines.

In this conference current and future power sector scenario of India as well as Gujarat will be discussed including latest trends in development of Power Transmission Lines. The eminent Speakers in this Tutorial and Conference are well experienced individuals in the field of Transmission and State Central Utilities, Private Sector and Transmission Line, Consultants / Experts.

The tutorials will focus on Actual Design, Engineering, Construction and Software Skills. The conference will provide platform to many individuals to showcase their work experience before the August audience. The conference will also help the delegates to interact with experts & exponents and get solution of some critical issues in the transmission line design, engineering, construction, maintenance etc.

A. Who should attend?

- ❖ Engineers from State Transmission Utility & Central Transmission Utility.
- ❖ Private Companies involved in Transmission Line Business.
- ❖ Transmission Line Developers.
- ❖ Consultants.
- ❖ Academicians & Researchers.
- ❖ Tower Manufacturers
- ❖ Line Material Manufacturers – Conductor, Insulator, Earthwire, OPGW with Accessories

B. Topics to be covered:

a. TOPICS FOR TUTORIAL:

- Tower Design
 - Transmission Line Survey Techniques
 - Fundamental of Transmission Line
 - Sag Tension Calculation
 - Tower Spotting Data
 - Transmission Line Profile using Total Station
 - Transmission Line Earthing
- There can be change in topics depending upon the availability of Faculties

b. TOPICS FOR CONFERENCE:

- Electrical Design of Transmission Line
- Surge Impedance Loading on Transmission Line

- Merit and de-merits of AC s DC Transmission of Power
- Electrical Performance of AC s DC Transmission Line with Associated Equipment to maintain the seamless operation
- Selection of Insulators s Hardware of Transmission Line
- Characteristics of Transmission Line Conductors – Type and selection thereof in reference to New Generation Conductors.
- Various Activities involved before charging of Transmission Line including Digital Signature of Transmission Line.
- Check Points before commencement of work and Stringing Activity of Transmission Line
- Rectification of Foundations of Operating Transmission Line including Stub Strengthening.
- Key Points for EHV Cable Termination of Transmission Line.
- Venerable Erection Activity for Safety of Existing Transmission Line
- Monopole Design of Transmission Line Tower.
- Hot Line Maintenance in Live Transmission Line
- Transmission Line Project Execution and Monitoring.
- Construction Activities including Foundation, Erection and Stringing of Transmission Line
- Construction Monitoring and Inspection of Transmission Line using Drone
- Uprating and Upgrading of Existing Transmission Line.

However, any other topic related to the conference would also be accepted based on its merit.

C. Date and Venue

This event is scheduled from 5th to 7th November 2025 at Federation of Gujarat Industries (FGI), Gotri-Sevasi Road, Gotri, Vadodara. The venue is about 9 km from Vadodara Railway Station / Bus Station and about 15 km from Vadodara Airport.

D. Tentative Programme:

TUTORIAL - Day - 1 5 th Nov. 2025 (Wed)		CONFERENCE - Day - 2 6 th Nov. 2025 (Thurs)		CONFERENCE - Day - 3 7 th Nov. 2025 (Fri)	
Time	Session	Time	Session	Time	Session
08:30 to 09:30	Hi-Tea & Registration	08:30 to 09:30	Hi-Tea & Registration	08:30 to 09:30	Tea & Break Fast
09:30 to 10:00	Keynote Address	09:30 to 10:30	Inauguration & Keynote Address	09:30 to 11:00	Technical Session – IV
10:00 to 11:30	Tutorial Session I	10:30 to 11:00	Networking Tea Break	11:00 to 11:30	Networking Tea Break
11:30 to 12:00	Networking Tea Break	11:00 to 13:00	Technical Session – I	11:30 to 13:00	Technical Session – V
12:00 to 13:00	Tutorial Session II	13:00 to 14:00	Networking Lunch	13:00 to 14:00	Networking Lunch
13:00 to 14:00	Networking Lunch Break	14:00 to 15:30	Technical Session – II	14:00 to 15:30	Technical Session – VI
14:00 to 15:30	Tutorial Session III	15:30 to 16:00	Networking Tea Break	15:30 to 16:00	Networking Tea Break
15:30 to 16:00	Conclusion & Open House	16:00 to 17:30	Technical Session – III	16:00 to 17:30	Conclusion & Open House

There will be Presentations of Technical Papers, Software, plus case studies / experience, etc. during the Conference. Above timings are tentative and may change as required from time to time. This will include interactions between Speakers and Participants. The last date of receipt of full length paper is 10th October 2025.

E. Sponsorship:

The Conference provides an effective opportunity for companies to promote their products / services to a focused audience, besides networking with peer organisations, developers, policy makers, utility engineers, etc., during tea /coffee break and lunch interval. Sponsors are assured of full visibility with printing of their names on backdrop, banners and other publicity material related to Conference or request for inclusion in registration kit. They will have the privilege to distribute their brochures/catalogues during the Conference. Sponsors will get nomination of free delegates as well as advertisement as indicated here under:

Category of Sponsor	Fee in Rs.	Free Delegate	Free Advertisement in SPE Newsletter
Platinum Sponsor	Rs. 3,00,000	10 Nos.	Full Page Colour
Golden Sponsor	Rs. 2,00,000	5 Nos.	Full Page Colour
Silver Sponsor	Rs. 1,00,000	3 Nos.	Full Page Colour

- F. Advertisement:** Organization can also give only advertisement in the SPE Newsletter being published quarterly. The Rates for advertisement in the proceedings is Rs. 10,000 for Full Page Color.
- G. Exhibition:** An exhibition is also being organized during the Conference for display of product C services. Delegate will visit the exhibition during the Conference and in the networking breaks. The charges for 3M x 3M space will be Rs. 50,000/-. Each exhibitor shall be given two numbers of free delegates. The aspirant exhibitors should register their name and requirement of space latest by 30th October 2025. Each exhibitor shall be provided free power supply point, table and two chair.
- H. Registration:** Prospective participants desirous to attend the Conference may register themselves (Complimentary Delegate of Sponsor as per E and Paid Delegate) **THROUGH LINK** <https://forms.gle/X6qJaXdqN2mpvAEZ9>. Advance Registration to the Conference will be preferable so as to avoid last minute rush. The registration fees are tabulated below:

ORGANISATION	TUTORIAL 5 th Nov. 2025	CONFERENCE 6 th s 7 th Nov. 2025	BOTH TUTORIAL s CONFERENCE 5 th to 7 th Nov. 2025
Utility / Industry / Company	Rs. 5,000/- per Delegate Rs. 4,000/- per Delegate for a group of 5 or more delegates from the same industry or organization.	Rs. 6,000/- per Delegate Rs. 5,000/- per Delegate for a group of 5 or more delegates from the same industry or organization.	Rs. 8,000/- per Delegate Rs. 6,000/- per Delegate for a group of 5 or more delegates from the same industry or organization.
Student C Faculty of Engineering College	Rs. 3,000/- per Delegate Rs. 2,000/- per Delegate for a group of 5 or more delegates from the same institution.	Rs. 4,000/- per Delegate Rs. 3,000/- per Delegate for a group of 5 or more delegates from the same institution.	Rs. 6,000/- per Delegate Rs. 4,000/- per Delegate for a group of 5 or more delegates from the same institution.
SPE C CBIP Member	Rs. 1,000/- per member	Rs. 1,500/- per member	Rs. 2,000/- per member

I. Payment and Correspondence:

The modes of payment are as under: Bank Details

Address:	The Society of Power Engineers (I), Vadodara Chapter, B Wing, 414/415, Monalisa Business Centre, Near Samanvay Saptarshi, Manjalpur, Vadodara 390011
Account Name:	The Society of Power Engineers
Bank Name:	Bank of India, Alkapuri Branch, Vadodara – 390 007
Account No.	250110100026520
IFSC Code:	BKID0002501
UPI ID	boim-250105626520@boi

Note: The screenshot of payment made through NET shall be forwarded to Er. SM Baxi, Treasurer on WhatsApp Number GG0GG40562 with details of Name of Organization, SPONSOR/ ADVERTISEMENT/ DELEGATE, etc. Information may be given to below email address.

J. Correspondence Details:

Office of Society of Power Engineers (I), Vadodara Chapter, B-414/415, Monalisa Business Centre, Near Samanvay Saptarshi, Manjalpur, Vadodara 390 011.

e-mail: spevadodara01@rediffmail.com; Web: www.spevadodara.in

K. Contact Persons: For any further information, you may please contact any one of the following:

1. Er. S. M. Takalkar, Convener, 9925233951, smtakalkarpca@gmail.com
2. Er. S. K. Batra, Coordinator CBIP, 9811943812, batra@cbip.org
3. Er. Y. V. Joshi, Coordinator SPE, 9925208091

L. Organizing Committee Members:

1. Er. SK Negi, COO KP Green Energy,
2. Er. Sanjeev Singh, Director (Energy), CBIP, New Delhi
3. Er. Abhay Kumar, CGM PGCIL New Delhi
4. Er. Upendra Pande, MD GETCO, Vadodara
5. Er. Mohan Tilwalli, Chairman, SPE (I), Vadodara Chapter
6. Er. Nihar Raj, Adani Transmission,
7. Dr. Deepak Lakhpati. CEO / Founder, Transs Eenergy
8. Er. D. C. Bagde, Executive Chairman, Transrail Lighting Ltd.
9. Er. E. V. Rao, Vice President, KEC International Ltd.