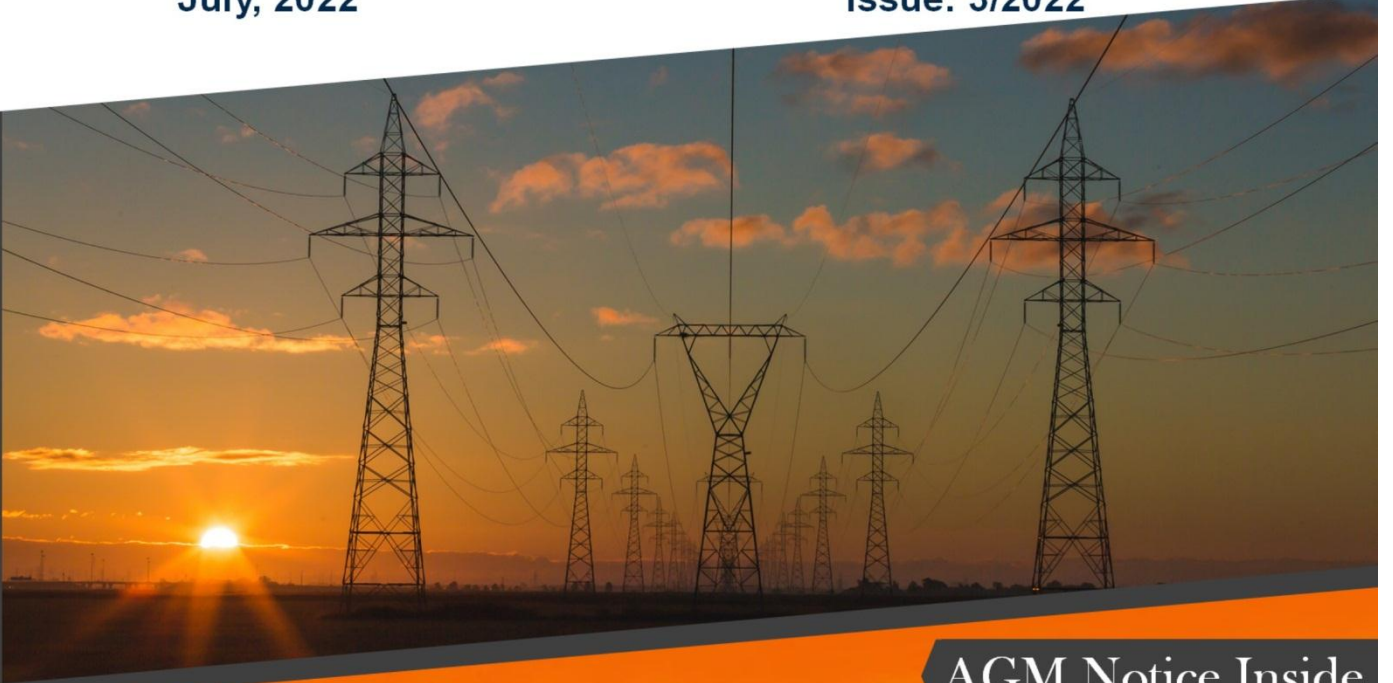




SPE News Letter

July, 2022

Issue: 3/2022



AGM Notice Inside

SOCIETY OF POWER ENGINEERS (I)

SILVER JUBILEE YEAR (1996-2021)

SILVER JUBILEE CELEBRATION YEAR

Society of Power Engineers (India)

Vadodara Chapter (Estd. 1996)

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OFFICE BEARERS & EXECUTIVE COMMITTEE MEMBERS FOR 2021-22

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3. Er. YV Joshi	Secretary	9. Er. SP Trivedi	Member
4. Er. VB Harani	Jt. Secretary	10. Er. MN Pandya	Member
5. Er. NC Solanki	Jt. Secretary	11. Er. YD Mehta	Member
6. Er. NG Yadav	Treasurer	12. Er. PB Parmar	Member

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2. Er. PA Shah	7. Er. VJ Desai	12. Er. AA Marathe
3. Er. DC Mehta	8. Er. NV Lathia	13. Er. UJ Parikh
4. Er. BN Raval	9. Er. BT Dalwadi	14. Er. MG Mehta
5. Er. JK Surti	10. Er. (Ms)HB Prajapati	15. Er. KN Velani

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Er. N Dinker

OFFICE ADMINISTRATION COMMITTEE

Er. NC Solanki Er. KN Rathod Er. NV Lathia Er. SP Trivedi Er. SM Godkhini

NEW LIFE / YEARLY MEMBERS ENROLLED

G.R. No.	Grade	Name	G.R. No.	Grade	Name
2383	LM	Sanjay M Shiledarbaxi	2391	LM	Raju B Deshle
2384	LM	Himashu D Joshi	2392	LM	Shivangini(Ms) V Mahajan
2385	SM(22-23)	Rutu(Ms) A Khopkar	2393	LM	Pareshkumar G Tevar
2386	LF	Anil S Khopkar	2394	LM	Rajesh P Patanwala
2387	LF	Tirtha S Vishwakarma	2395	LM	Mukeshkumar A Acharya
2388	LM	Jayesh R Mankad	2396	LM	Jaymin B Fajalia
2389	LM	Shantanu A Vanikar	2397	LM	Kantilal M Chhaiya
2390	LM	Geeta P Joshi	2398	LM	Raghvendra B Shastri

NOTICE of 26TH AGM of the Chapter to be held on 28 Aug 2022 is brought out in this News Letter. Members are requested to take a note of it



Dear Readers,

I am pleased to present this issue of the SPE News Letter for July 2022. I take this opportunity to inform the members that the **2-Day Conference** held on

25-26 May 2022 on “Power Reforms-Process, Expectation and Achievements” held in Vadodara in association with CBIP, GETCO and ERDA, was very successful and attended by more than 150 delegates from different parts of India. The history of reforms, implementation and expectations were presented by the stalwarts from utilities and industries and was widely appreciated by the power engineers attending the event.

We will be organizing more events covering

Different topics of interest this year.

The next in line is a **2-Day Conference** on “**Metallurgy in Power Sector & Industries**” being held in Sep-2022 in Vadodara.

The success of the conference on power reforms has opened an avenue for SPE to organize conferences on further reforms taking place, particularly in the non-conventional renewable energy sector. India’s commitment during the CoP26 summit to control the emission of greenhouse gases has thrown many challenges to the government and all other stakeholders like utilities, industries, R&D institutions and society.

Renewable sources of energy shall play a very important role in next coming decades, and development in this area is critical for the sustained growth of our economy. The target of achieving 50% of total energy by 2030 is a very challenging task and requires new technologies and policies to be adopted. Behavioral changes in public and industries are essential to understand the danger of climate change and to adopt the solutions provided by researchers and follow the policies and directives of authorities. Thus, knowledge building and its infusion into industries and the public is important where we can play a very important role in the state of Gujarat. With this mission SPE(I) Vadodara Chapter will be organizing many conferences and seminars, particularly discussing developments of technologies in the renewable energy field.

Some of the priorities and following topics of interest for conferences may be undertaken in near future.

Solar Energy, PV cell technology and panels types, selection of panels, emerging technologies

like perovskite application in roof top for homes, commercial, and industries. Ground-mounted, floating solar, canal-top, bridge-top. Accessories like sun-tracking devices, automatic dust removal using robotics, inverters, etc.

Wind energy, windmills constructions, and installations, on-shore, off-shore, innovations in low power windmills for residents.

The transportation sector, Electrical Vehicles, charging stations, indigenous manufacturing, and Govt policies in promoting sector, EV charging stations and effect on grids.

Batteries, existing technologies like lithium-ion, solid-state batteries, flow liquid batteries, emerging technologies like Air-aluminum and air-zinc batteries, and more.

Biomass from agriculture waste, industrial waste, solid waste, and many other waste materials is efficiently used for biomass energy in industries and commercial and rural residential areas.

Hydrogen-promising future source of clean energy, stabilizer for renewable energy, Electrolysers, Fuel Cells, application in the power sector and EV sector.

Energy Storage using hydroelectric pumped storage, molten salt reservoirs & CSP plants etc.

Emerging technologies -Wireless high-frequency transmission to power equipment like Mobiles, EV Charging.

Automation in the power sector - use of the new generation technologies of IoT, AI, sensors and robotics, and drones.

Transmission-high temperature superconducting technologies, smart grids, FACTS, and other reforms.

Awareness and training programs- for public and industry in energy conservation, energy efficient apparatus in daily use, energy audit in industries and commercial complexes, Govt. policies, etc.

Academy awareness of the above technologies for students’ career and their participation in achieving national goals.

SDGs- Sustainable Development Goals awareness programs for SPE engineers and society.

Issues like disposal of solar cells and panels, batteries and recycling-reuse, and disruptions in conventional energy technologies.

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Looking Back

Dear Readers,

I joined erstwhile GEB as a Junior Engineer in Feb-1972 in Valsad O&M Sub-Division which was under

Utran O&M Circle. At that point of time, O&M was the Distribution Department. There was no specific Transmission Department or Generation Department. The transmission construction was taken care of by Construction Divisions. Thus the O&M Circle Head (Superintending Engineer) was looking after the maintenance of Transmission, Distribution and Generation Assets. I was in-charge of O&M of 85 villages and a 66kV s/s with an installed capacity of 2MVA+3MVA(5MVA). There were number of Distribution Licensees in Gujarat which were buying power from GEB. One was in Valsad city itself. Surat-Amdavad were other two. There were only 2 or 3 Chief Engineers taking care of the entire Power System of the State which was around 3,000 to 4,000 MW. This included share from Tarapur Atomic Power Station, Generation of power in Ukai, Utran, Sabarmati, Shapur, Kandla, Porbandar, Dhuvaran, Bhavnagar etc. There were only four 220kV Sub-stations i.e. Navsari, Achhalia, Ukai(TPS) and Jambuva. The power from Dhuvaran was evacuated at 132kV at three centres viz. Gondal, Gotri and Vatva. Ukai and Tarapur were evacuating power at 220kV. Utran power station was evacuating power at 66kV. The oldest transmission line of the State is 66kV D/C Utran-Sabarmati. This line is still existing and can be seen on the left side of the National Highway when you travel from Vadodara to Surat. 132kV & 220kV line was a fascination. To be very frank, I was not comfortable with patrolling of tower line (66kV) which I had to do as the maintenance of transmission line was under SE(O&M). Once I tried to climb the 66kV tower and faced vertigo and thought that tower structure is not my cup of tea. But the destiny had it and on promotion from JE to DE. I was posted in Transmission department in Dec-1976. Tower design was my main job. The readers who know me personally will endorse my involvement in designs of towers and the transmission line component in rest of my career till this date (more than 45 years now). I was posted under the

Chief Engineer, Projects & Planning (P&P) in the HO of GEB. There was no Chief Engineer (Transmission). I was fortunate to be associated with the Design, Engineering and Construction of 8 Nos. of 220kV D/C lines. Thus the state started dotting of 220kV substations and lines on its power map. This resulted into rapid industrialization in the state. In 1979, GEB started planning for 400kV. 4 number of 400kV S/C lines were initially planned connecting Ukai(T) to Asoj and Asoj to Jetpur, Wanakbori to Asoj and Wanakbori to Soja (North Gujarat) two nos. S/C. Thus the power transfer from South Gujarat to Saurashtra region and Central Gujarat to North Gujarat became a reality. In 1981-82, GEB decided to create Transmission Department with a posting of Additional Chief Engineer. I became part of this department and worked till retirement (save a period of 4 years of deputation to Sardar Sarovar Project). With number of new Power Stations of GEB like Ukai TPS extensions, Gandhinagar TPS extensions, Wanakbori TPS extensions, Sikka TPS, Kawas Gas PS(NTPC), Panandhro Lignite Power Station etc. coming in, the need of connectivity and evacuation and management of power became inevitable. The private power producers also needed connectivity which further increased responsibility of transmission department. This exerted lot of pressure on construction of more line and substations. In the meanwhile, looking to the ever increasing demand of power in the State, PGCIL also started establishing substations in Gujarat.

400kV network became very common in the state and the country. In spite of all the development in power sector, supply of power always chased the demand.

The real turn around came in the Power Sector when power reforms came in to being. In later 90s, Regulators were appointed in all the States and at the Centre. Unbundling of utilities started in all the states. Odisha state was first to adopt unbundling. Gujarat state also followed and by the year 2005, GEB was unbundled in to 7 companies with a very smooth transition, which is now a history.

The Power Sector Reforms have not only brought discipline in the Power Sector but also paved a way for adoption of new technologies.

→ Continued on page-6



CHAPTER'S ACTIVITIES

➤ In the months of **April** and **May 2022** the **Chapter** has witnessed major activities.

In the month of **April-2022**, two major events which were forming part of the **Silver Jubilee Celebration** of the **Chapter**, were organized.

The first one was on **10 Apr 2022** titled as **“SPE has Got Talent”** at FGI Auditorium, Sevasi, Gotri, Vadodara. Large number of Members and their family members participated in the event. They presented Filmy songs, Bhajans, Gazals, Shaurya geet etc. Standup comedy and drama were also part of the event. About 250 individuals attended the program which included invitees, members and their family. The details of the event along with photographs are included elsewhere in the News Letter.

➤ On **17 Apr 2022**, second event titled **“Expression of Gratitude and Felicitations”** was organized at FGI Auditorium, Sevasi, Gotri, Vadodara. The purpose of the event was to Felicitate Members who have rendered their Valuable Services in the Journey of the Chapter over 25 Years. They included Family of Members who have left for their heavenly abode, past Office Bearers of the Chapter, Present Advisory Committee Members and Service Providers.

The function also included felicitation of Executive Committee members by CBIP, New Delhi Officials. **Merit Awards** for **Technical Excellence** and **Social Service** were also given to some individuals. The details of the event along with photographs are included elsewhere in the News Letter.

→Continued from page-1

SPE committee members and other experts will be contributing to designing the programs and formulating the strategies in our mission to spread technology. Our website is now enriched and brings new features continuously for the benefit of the members and society. The SPE Vadodara Chapter hopes to be part of India's vision in bringing climate change and climate pollution in control to avoid severe damage.

➤ On **22 Apr 2022 Chapter** organized a business promotion event for the benefit of **M/s UGA Cable and Pipe Sealing Systems** and **M/s Tera Supplies**. **Shri Deepak Shewani** was the speaker and presenter. He made presentation on cable sealing for preventing the water leakage, entry of lizard/reptiles etc. in the Control room, fire room, drainage installations etc. The programme was appreciated by all the members present.

➤ On **25th and 26th May 2022**, the **Vadodara Chapter** lent a full-fledged support to CBIP New Delhi in organizing 2-Day Conference on **“Power Reforms – Process, Achievements and Expectations”** at Grand Mercure Surya Palace Hotel, Sayajigunj, Vadodara. The knowledge partners were GETCO and ERDA. More than **24** papers were presented in the Conference. There were six stalls of different product in the Exhibition at the Conference. About **200** delegates participated in the Conference which included Engineers from **State Power Utilities, Railway, IPPs, Industries** and other stake holders from **Power Utilities**.

During the inaugural session **Silver Jubilee Souvenir of SPE (I) Vadodara** was unveiled by **Er. Upendra Pande**, MD, GETCO and other dignitaries on dais.

On first day evening a **Cultural Programme** was organized for the delegates, which was followed by the **Dinner**. The conference was followed by visit to **Statue of Unity**. The details of the conference along with photographs are included elsewhere in the News Letter.

In the above events, all SPE(I) Vadodara EC & AC members and other individuals took active part and made the programs a Great Success.

Er. VB Harani
I/c Secretary

I am happy to note that more and more engineers are joining us and the SPE is becoming the center of knowledge and excellence.

We look forward to your suggestions and active participation and helping the SPE(I) Vadodara Chapter in reaching to a new height.

With the best wishes to the readers,

GV Akre
Chairman

STATIC EARTHING MONITORING SYSTEM FOR TANKERS CARRYING INFLAMMABLE MATERIAL

By

Er. Krishna Kumar Roy

Chief Consultant, KSR International Consultants & Engineers, Vadodara
Mob; 7043435987, 7600435987, 6355390015 e-mail: kkroy@ksr-in.com

Bonding and Earthing Principles

Bonding and earthing is a very effective technique for minimizing the likelihood of an ignition from static electricity

A **Bonding** system connects various pieces of conductive equipment together to keep them at the same potential. Static sparking cannot take place between objects that are at the same potential.

Physically connect two conductive objects together with a bond wire to eliminate a difference in static charge potential between them

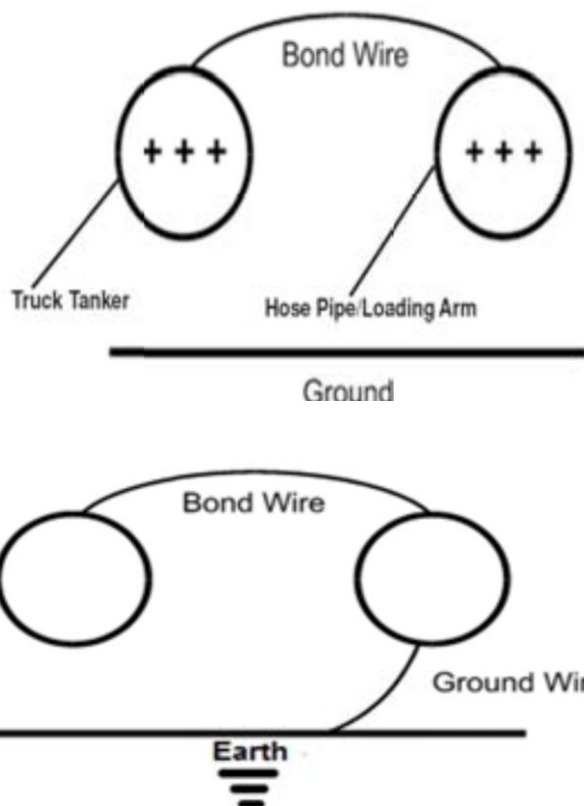
Must provide a bond wire between containers during flammable liquid filling operations, unless a metallic path between them is otherwise present.

Earthing is a special form of bonding in which conductive equipment is connected to an earthing electrode or to the building earthing system in order to prevent sparking between conductive equipment and grounded structures.

Eliminates a difference in static charge potential between conductive objects and ground Although bonding will eliminate a difference in potential between objects, it will not eliminate a difference in potential between these objects and earth unless one of the objects is connected to earth with a earth wire

Earthing Verification Control System

Properly labeled “The Invisible Enemy”, static electricity cannot be seen but poses extreme risks if not properly attended to. Yet we rely on a visual means to confirm that a ground clamp and lead are in place for proper grounding or bonding, with periodic confirmation via resistance meters. Newer “electronic verification systems” now take the guesswork out of proper grounding techniques. These verification systems offer a continuous means of visual/electronic confirmation of ground to a high-integrity ground point (ground bus). Through “interlock” functions they can



control pumps, valves, motors, etc. or interface with a PLC or DCS control system to ensure that nothing happens until a good ground is achieved. They may also initiate sound alarms, if required.

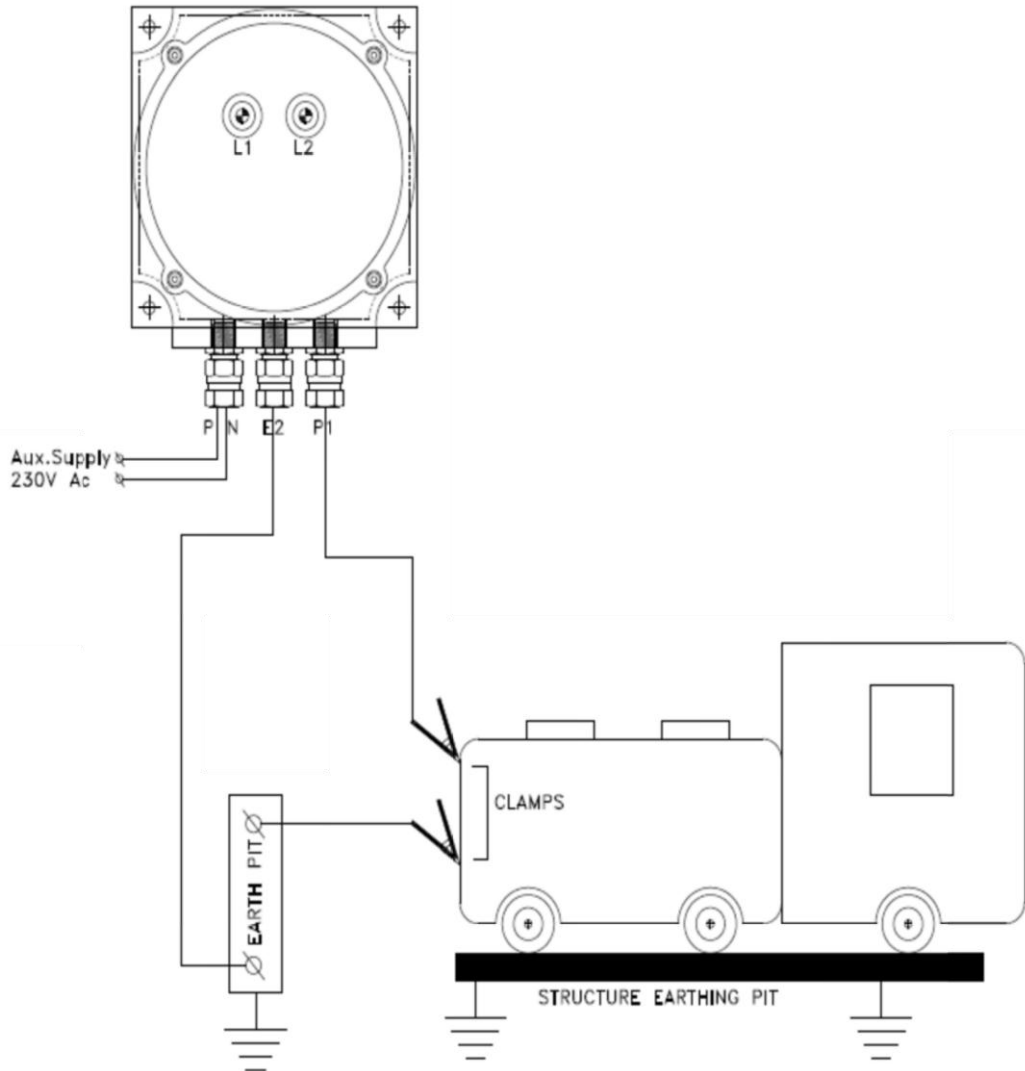
Further information on the various systems can be found in this booklet.

GENERAL

Transport Vehicles carrying inflammable or explosive material should be necessarily earthed before as well as during any loading or unloading operation. One of the primary causes of fire and explosions during such operation is the danger of accidental sparking which may be caused by the generation of a high static charge on the body surface or chassis of the vehicle. Since the tyres of the vehicle are made of a nonconductive material.

On entry at the loading / unloading terminal, the Tanker is first earthed to the “true-Earth” (Ground) point by means of a Clamp Probe and the static-charge is dissipated. However, there is always the possibility of the Earthing systems available at a site may occasionally not perform their function optimally, leading to some residual static-charge remaining on the body of the vehicle. Even a low-level static-charge could result in minor Sparking upon contact with any dispensing hose or valve, which could spell

disastrous Repercussions in a hazardous area. The Earth Sensing Relay is an intrinsically Safe field protection device used in Vehicle Static Grounding Systems. It provides the operator with absolute confirmation that the Vehicle is properly earthed and is consequently safe for loading or unloading operations. The instrument thus ensures safety during the loading and handling of volatile inflammable liquids and explosive gas at truck, rail and aircraft refueling terminals.



PRINCIPLE OF OPERATION

The Earth Sensing Relay’s primary function is to determine whether the Trucks or Tankers at the loading terminals are properly earthed. The Earth Sensing Relay senses the static charge potential of the Tanker and provides a safe Earthing path for this charge through an intrinsically safe electronic circuit which is itself

housed in an explosion proof enclosure mounted near the loading or unloading point.

The instrument then checks for potential difference between the two probes and only when this potential difference is near zero (e.g. when the vehicle satisfactorily grounded) does the Relay change over the instrument allow loading / unloading of fuel to commence. In other words, when

the impedance between the Vehicle and the True Earth point is equal to or less than the present value, i.e., virtually at the same potential (after compensating for line and cable impedances), the Earth Sensing Relay switches over the contacts of an internal Relay, whose contacts may be used to commence any filling or pumping operations, such as controlling the fuel dispensing valve.

When the static or residual charge is fully discharged and the vehicle is safe for loading /unloading operations, Relay displays this by means of a LED on the instrument panel and the control Relay is simultaneously energized. Further, the Relay instantly shuts down the loading operation, if there is break in “grounding” or if electrical Earthing is not present at all times during the operation or even if there is any internal failure within the instrument. To summarize, the Earth Sensing Relay ensures that residual charge is dissipated through an internal shunt route and then re-checks to ensure ground potential of the truck body.

OPERATION PROCEDURE

A quick summary of the sequences of operations of the Earth Sensing Relay is as follows –

- There are two probes from the Earthing Sensing Relay: P1 and E2. The intrinsically safe grounding circuit of the Earthing Relay is well protected and designed to discharge static charge in several kilo-Volts.
- Probe E2 (black clamp) must first be clamped to the vehicle.
- The charge on the vehicle is carried through E2 to Ground (Earth terminal of the instrument). It is essential that the instrument be properly earthed.

→ Continued from page-2

There is lot of improvement in consumer satisfaction due to unbundling and the control of regulator.

The computers and mobiles have brought a revolution in the Power Sector. GIS which was considered to be very expensive till early 90s, is now being adopted casually, particularly for space saving. Control rooms are also shrinking due to Fibre Optic and SCADA.

Cost effective Generation, Transmission and

- After the static charge is grounded, the Probe P1 (Black clamp) should be connected to the Vehicle(after about 2-3 seconds)
- If the vehicle is fully grounded the potential difference between the two probes P1 and E2 will be near- zero and the Relay will change state and the loading may be commenced.
- However, in the unlikely event that the vehicle does not get fully discharged through E2 and P1 is also clamped to the vehicle, then the charge will appear on P1 also and the slow-Glow Fuse F3 in series with P1 will blow out, causing the instrument to stop functioning immediately (Red Power ON LED will go Off).
- There are three protection fuses within the instrument. Hence, if (1) either the Grounding path inside the instrument gets “open”, or (2) if Intrinsic Safe circuit gets damaged internally for any reason, or (3) if there is a short circuit in the power supply section, the corresponding fuses will blow off and the power on LED will immediately go OFF

It must be expressly noted that the upper chamber of the Earthing Sensing Relay must not be opened by the user, nor any attempt be made to repair or replace any of the fuses in the event of a fault. The physical characteristics including creepage distances between components within the instrument are inherent and important part of the intrinsic safety design of the Earthing Sensing Relay. Any disturbance in this aspect would render the instrument ineffective in intrinsic safety protection and make it potentially dangerous in the event of a genuine fault. The manufacturer must be contacted immediately and the instrument sent for repair/fuse replacement.

Distribution of power has become a need of the day. The Renewable has added a new dimension to the power system of the State and the Country.

Therefore, while looking back, it appears that the Power Sector has taken a very sharp turn in the 21st Century which was never thought of in 70s, 80s and 90s. The trend is going to continue and will benefit the consumers more and more as the time passes.

Best Wishes to the readers

Er. SM Takalkar
Vice-Chairman

MEMBERS IN NEWS

The Central Board of Irrigation & Power in association with National Skill Development Forum (NSDF) conducted a National Seminar on **'Electrical and Fire Accidents in Power Industry - Causes and Prevention'** on 23-24 Jun 2022 at Shimla. Our members **Er. BN Raval**, **Er. PA Shah**, **Er. HR Karandikar** and **Dr. (Ms.) Shivani Sharma** presented papers.

1. Electricity Act & Regulations, Electrical Safety in Industrial Sector by Er. BN Raval
2. Electrical Accidents Case Studies – Causes and Learning by Er. PA Shah
3. Use of Safety Tools and Equipment by Er. HR Karandikar
4. Modern Trends of Electric Arc Flash Hazard Analysis and its Mitigation by Dr. Shivani Sharma.

Er. Shah and Er. Raval of SPE(I) Vadodara Chapter have attended the Seminar physically. Er. Karandikar & Dr. Shivani Sharma presented papers online.

There were total 95 participants hailing from DVC, HPPTCL, HPSEB, MPPKVVCL, NHDC, NHPC, POWER GRID, TPWODL, TSGENCO, TSTRANSCO, UJVNL, SJVNL, BBMB, NTPC-Vindhyachal, PTCUL, AD Hydro Power Ltd., CTR, Hitachi Energy, M&I Materials, Malana Power Company Ltd., Oil India, Savita Oil, Soham Technologies Statkraft India, Tata Power, TPEC, UE Systems etc.

Two Technical Sessions were chaired each by the following members:

1. **Er. BN Raval**
2. **Er. PA Shah**,

Er. PA Shah conducted Open House and Concluding Session at the end of the Seminar. Some Photographs are kept below:



Er. BN Raval delivering lecture



Er. PA Shah delivering lecture

REPORT ON SILVER JUBILEE PROGRAMMES

As already covered in the SPE Newsletter, the first programme of Silver Jubilee Celebration of the Chapter was Symposium on the topic of Power Reforms on 12 Mar 2022. This program was arranged as a curtain raiser of the All-India conference on the same topic, scheduled on 25 & 26 May 2022. This program was followed by a second program by a grand musical orchestra on 7th January 2022. The best musical group of Vadodara named “MEGHDOOT MELODY CLUB” rendered film songs of yester years and those from 90s. The program was organized in the Sir Sayajirao Gaikwad Auditorium, Akota, Vadodara.

10 Apr 2022

As a part of Silver Jubilee Celebration, the Chapter organized a third event titled “SPE has got talent”. The aim of organizing this event was to give a vent to the talent of members of the chapter and/or their family members. The response to the event was beyond expectations. The event was organized at the auditorium of Federation of Gujarat Industries (FGI) Sevasi.

The programme started at 16.00 hours with a Hi-Tea. Large number of members and performing participants were present at this odd hour on Sunday braving high temperature and the threat of Covid-19.

The event started with Ganesh Stuti and Saraswati Vandana Prayers digitally played by Er. Gargey Bhatt and Er. PA Shah.

The event started right at 16:30 hrs. with lighting an auspicious lamp by the office bearers of Chapter.

The prayer was presented by Er. Rashmi Gaikwad, Er. Bihag Majmudar and others.

Er. YK Sharma, Smt. Madhuben Sharma, Er. JD Wadhva, Er. SN Shah and Er. Nihar Raj presented filmy songs on karaoke.

Er. Bihag Majmudar, Er. Mukesh Acharya, Er. AP Karode, Er. Smt. Rashmi Gaikwad, Er. PH Rana, Smt. Akshita V Desai, Er. Smt. Mausami Sukhadia, Er. Shirish Takalkar, Smt. Devyani Takalkar, Er. Parag Parmar, Er. NC Solanki,

Er. VR Karia and Dr. Ms. Ruchi Shah presented Filmy songs, Gazals and Bhajans taking help of the Orchestra.

Er. YD Mehta and Er. SM Takalkar presented stand-up comedy. Ku. Dhruvi Pandya presented classical dance. Er. MG Mehta presented a Shaurya Geet in Gujarati.

Er. SM Takalkar, Er. PA Shah, Er. YD Mehta Er. HM Solanki, Er. S M Kamble, Er. DM Desai and Er. Mukesh Acharya presented a drama (Short Skit) titled "Happy Birthday".

The last item of the cultural event was a group song in the leadership of Er. Bihag Majmudar titled "Chalte Chalte Kabhi Alvida Na Kehna". The orchestra members comprised Er. Bipin Makwana (on Tabla) and musical group headed by Shri Bipin Solanki (Keyboard, Dholak, Bongo-Congo, Octapad etc.).

Er. Bihag Majmudar and Er. SM Takalkar were the main architects of the entire program. The programme was anchored by Er. Dipak Gupte who added humor and extempore quotations and brought grace to the occasion.

Er. PA Shah and Er. Gargey Bhatt were responsible for organizing audio visual for the event. All the Executive Committee members and Advisory Committee members joined hands in making the event successful. All the participants were felicitated by presenting memento immediately after their performance by dignitaries present in the front row.

The programme came to an end with a grand dinner. About 275 members with their family and invitees enjoyed the event.

17 Apr 2022

The fourth and the most important event of the Silver Jubilee Celebration was organized at the auditorium of Federation of Gujarat Industries (FGI) Sevasi. The programme was titled as "**Expression of Gratitude and Felicitation**". The chief guest of the function was Er. Upendra Pande MD, GETCO; Er. Sanjeev Singh, Director(Energy), CBIP, was the guest of honor. Others on the dais were Er. GV Akre, Chairman, SPE(I) Vadodara; Er. SM Takalkar, Vice-Chairman, SPE(I) Vadodara and Er. PH Rana, Silver Jubilee Celebration Committee. Er. Vishan Dutt, Chief Manager of CBIP, had also specially come down from Delhi for the function. The aim of the event was to felicitate individuals who have contributed in the development of the Chapter.

Who have achieved distinction in the field of engineering, past employees of SPE(I) Vadodara Chapter, service providers of the Chapter, past office bearers of the Chapter and present Advisory Committee members. CBIP also felicitated the present office bearers.

The event started with Ganesh Stuti and Saraswati Vandana digitally.

2-Minute silence was observed in the memory of the members who left for their heavenly abode.

The lighting of lamp was performed by the dignitaries on the dais, Er. Upendra Pande, MD, GETCO, Er. Rajeev Singh, Director (Energy), CBIP, Er. AK Dinkar, Secretary, CNIP, Er. Vishan Dutt, Chief Manager, CBIP, Er. PH Rana, Chairman, Silver Jubilee Celebration Committee, Er. GV Akre, Chairman, SPE(I) Vadodara, Er. SM Takalkar, Vice-Chairman, SPE(I) Vadodara and Er. YV Joshi, Secretary, SPE(I) Vadodara.

After lighting of auspicious lamp by the dignitaries on the dais, Er. GV Akre gave welcome speech.

Er. SM Takalkar briefed the audience about the history of Vadodara Chapter of SPE(I) over 25 years. Er. Upendra Pande praised the efforts of SPE(I) Vadodara in reaching out to various sections of industries and academy. He also complimented rank and file of SPE(I) Vadodara for completion of 25 years. Er. Rajeev Singh in his speech highlighted the efforts made by founder members of the Chapter namely Er. SM Takalkar, Er. N Dinker, late Er. SM Joshi and others. He also complimented the present office bearers for making excellent arrangement for the event. Er. PH Rana also spoke at length about the planning and execution of Silver Jubilee Functions, which are in process under his leadership.

The new logo of Society of Power Engineers (India) as proposed by SPE(I) Vadodara Chapter was launched by the dignitaries on the dais and appreciated by the audience. The screening of documentary on the journey of 25 years of Vadodara Chapter was also done.

The following awards were presented during the programme:

1. Er. PH Rana – Recognition of services in Power Sector
2. Er. MR Tilwalli – Engineering Excellence Award-2022

3. Er. (Dr.) Shivani Sharma - Engineering Excellence Award-2022
4. Er. MO Sheth – Appreciation of services as Corona Warrior
5. Er. AM Shukla – Appreciation of Social Services

The category wise details of the individuals felicitated during the event and other proceedings are as under:

A. Special Contributors

The individuals and the organizations who contributed their might in the development of the Chapter

1. Er. SK Negi
2. Er. BB Chauhan
3. Er.(Dr.) BG Desai
4. Er. NV Rede
5. Er. DC Mehta
6. Er. BN Raval
7. GETRI
8. GETCO
9. GSECL

B. Former Office Bearers

(Since inception of the Chapter)

1. Er. N Dinker
2. Er. SM Godkhindi
3. Er. AN Makwana
4. Er. GP Shukla
5. Er. JD Wadhawa
6. Er. ND Makwana
7. Er. KG Shah
8. Prof. AK Singh
9. Er. KK Thakkar
10. Er. YK Sharma

C. Service Providers

Who provided different services over 25 years

1. Shri Niraj Majmundar, CA
2. Shri Kirit Desai, Caterer
3. Shri Dinesh Ahuja, Favorit Bags
4. Shri Manish Suvarna, Manish Art

5. Institution of Engineers(I),Vadodara

Facilitating joint programmes and allowing use of the establishment

D. Present Office Bearers of the Chapter (Felicitation by CBIP)

1. Er. GV Akre
2. Er. SM Takalkar
3. Er. YV Joshi
4. Er. NG Yadav
5. Er. VB Harani
6. Er. NC Solanki

E. Present EC & AC Members of the Chapter (other than office bearers)

1. Er. YD Mehta
2. Er. PA Shah
3. Er. KN Rathod
4. Er. MN Pandya
5. Er. Ms. HB Prajapati
5. Er. NV Lathia
7. Er. PB Parmar
8. Er. UJ Parikh
9. Er. VJ Desai
10. Er. KN Velani
11. Er. MG Mehta
12. Er. BT Dalwadi
13. Er. DV Patel
14. Er. HR Karandikar
15. Er. Nihar Raj
16. Er. JK Surti
17. Er. HM Solanki

F. Well Wishers

Who have supported Chapter's activities directly or indirectly over 25 years

1. Er. CK Patel, Bharuch
2. Er. Vishan Dutt, CBIP
3. Er. Sanjeev Singh, CBIP
4. Er. PN Shah
5. Er.(Dr.) Namra Joshi

G. Past & present employees of the office of the Chapter

1. Shri Harendra Parmar
2. Shri Hiten Bhatt
3. Ms. Shraddha Joshi
4. Shri Rajesh Brahmbhatt

H. The members who contributed a lot in the development of the Chapter but have left for their heavenly abode.(The family members were invited and felicitated)

1. Er. HK Shah
2. Er. KS Dave
3. Er. SM Joshi
4. Er. PO Kulshreshtha

I. Valued Donors who have contributed a sum of Rs. 5,000/- and above and were present

1. GSECL
2. Highvontrans Ltd.
3. Takalkar Power Engineers & Consultants

4. GETCO
5. Er. VR karia
6. Soham Technologies
7. Er. Krishna Kumar Roy
8. M/s SAP Enterprises
9. Rumika Engineering
10. Er. JC Marathe
11. Er. PR Mehta
12. Er. VG Dav
13. Er. MR Tilwalli
14. Er. (Ms.) Nitaben N Lathia
15. Er. PP Trivedi
16. Er.(late) RA Jani/Er. KR Jani
17. Er. YV Joshi

The vote of thanks was delivered by Er. YV Joshi, Secretary, SPE(I) Vadodara followed by digital National Anthem

The entire event was drafted by Er. PA Shah and presentations were made by he and Er. Gargey Bhatt. The programme was followed by a Grand Dinner.



The fifth event of the Silver Jubilee Celebration was an All India Conference on the topic of **“POWER REFORMS – PROCESS, EXPECTATIONS AND ACHIEVEMENTS”** on 25 & 26 May 2022 at Grand Mercure Hotel, Sayaji Gunj, Vadodara. About 200 Engineers from different parts of the country participated in the Conference. They hailed from GETCO, PGVCL, DGVCL, MPPTCL, MPPGCL, Railway, GUVNL, NTPC, CEA, EIPL, DVC etc.

The exhibition of products & Services was also the part of the Conference. ERDA, M/s JBS Enterprise, Apar Pvt. Ltd., M/s. EIPL, M/s Madhav Group of Companies and M/s Sumip Composites exhibited their products/ services.

The program began with Opening Ceremony of the Exhibition at 09.00 Hrs. Er. Upendra Pande MD, GETCO; Er. Prasanna Kumar MD GSECL; Er. Pankaj Dadwal, MD, HPSEB; Er. Arun Goyal, MD HPTCL; Er. AK Dinker, Secretary, CBIP; Er. Sanjeev Singh, Director (Energy), CBIP;

Er. PH Rana, Chairman, Silver Jubilee Celebration Committee; Er. Vishan Dutt, Chief Manager, CBIP; office bearers of SPE (I) Vadodara Chapter and Invitees, were present.

The opening ceremony of the Conference started at 09.30 Hrs. Er. Upendra Pande, MD, GETCO; Er. Prasanna Kumar, MD, GSECL; Er. Pankaj Dadwal, MD, HPSEB; and Er. Arun Goyal, MD HPTCL; Er. AK Dinker Secretary, CBIP; Er. Sanjeev Singh, Director (Energy), CBIP; and Er. GV Akre Chairman, Vadodara Chapter, were on the dais.

After lighting of auspicious lamp, Er. GV Akre gave Welcome address. There was a floral welcome and presentation of mementos to the dignitaries on dais. Er. N Dinker Founder Chairman was felicitated for his contribution to the Chapter. The Sponsors of the event were also felicitated during the event.

24 Technical Papers were presented in the Conference detailed as under:

Sr. No.	Title of Paper	Name(s) of the Author(s)	Organization
1	Risk Based Revenue Management	Mr. Kintukumar Malkan	GM (F&A), Paschim Gujarat Vij Co. Ltd.
2	Energy Management through PAT Scheme	Mr. Kuldeep Ruparelia Mr. Bhavesh Vasiyani Mr. Arunesh Dwivedi	Electrical Research and Development Association
3	Strategy and the Challenges to Achieve 24 x 7 Power Supply	Mr. Shailesh B Modi Mr. Krunal Darji Mr. Anil Aswani	Electrical Research and Development Association
4	Star Ratings and Labelling on Appliances and Equipment	Mr. Rakesh Patel Mr. Anil Aswani	Electrical Research and Development Association
5	Distribution reforms and rooftop solar for residential customers	Dr. Gopal Gajjar	IIT, Mumbai
6	Power Reforms – Bonanza to the Service Sector	Mr. S.M. Takalkar	Takalkar Power Engineers & Consultants Pvt. Ltd.
7	Renewable Energy Policies and Regulation in India”.	Mr. Jignesh P Shah Ms. Shefali Talati Dr. Satish Chetwani Mr. Asheesh Dhaneria	Electrical Research and Development Association
8	Impact of Energy Efficiency Measures	Er. BN Raval	Ex. Chief Electrical Inspector GoG
9	Smart Distribution Automation System for 11kV/12kV- The need of the Hour	Er. JC Marathe	Ex. Jt. MD, MGVCL EIPL
10	Impact of electricity reforms on consumers – a study of “Gujarat Electricity Distribution Companies	Er. Hitesh Karandikar	Former Director, ERDA and GETRI

11	Green Hydrogen and Fuel Cells	Er. ML Sachdeva Er. SM Takalkar	Freelancer Consultant, Former Chief Engineer, CEA TPEC
12	Impact of Large Scale Renewables on System strength and Inertia – Emerging Tools and Techniques for Analysis, Monitoring and maintaining Stability & Reliability of RE Rich Greener Grid	Dr. AJ Chavda Mr. NM Sheth	ACE, GETCO EE, GETCO
13	A New Approach for Fair Loss Allocation Among the Market Participants in Deregulated Power system	Er. Meheebub Alam	Damodar Valley Corporation
14	Improving Reliability of Thermal Power Stations by employing Advanced NDT Techniques in Boiler Inspection	Er. Adil Faiyaz Er. Abhishek Kumar	Damodar Valley Corporation
15	Integration of Renewable Energy-- Challenges for Grid Stability and Way Forward	Er. RC Jha Er. Suneet Mehta	National Thermal Power Corporation
16	Regulatory Framework and its Impact - Post two decades of enactment of EA 2003	Er. Shashi Goyal	Renew Power
17	Impact of PAT Scheme on Power Distribution Sector	Er. Gaurav Vaghela	Paschim Gujarat Vij Co. Ltd.
18	Odisha – Power Reforms – Process, Expectations and Achievements	Er. BB Mehta	Director, OPTCL
19	Adoption of Condition Based Maintenance Practices for Maintaining & Managing Reliable & Quality Power Supply under Transmission Scenario	Dr. AJ Chavda Mr. NM Sheth	ACE, GETCO EE, GETCO
20	Multi-Features IoT Smart Meter for Low Voltage Distribution Loss Reduction	Dr. R Chitre	Founder & CEO DR&D, Combatore
21	Decoding Open Access	Er. SM Godkhindi Er. UJ Parikh	Ex. CE, MGVCL Ex. DE, MGVCL
22	Process of Power Reforms in India	Er. PH Rana	Director, MGVCL
23	Selection of Ratings of Distribution Transformers a Tool for Optimum Efficiency Utilization – A Perspective of Power Reforms	Mr. NL Nimavat Er. YV Joshi	Int.Copper Asso. Ex. ACE, GETCO
24	Regulatory & Commercial Issue – Renewable Generation Variability in view of Natural & Accidental Regulatory Provision for Forecasting & Scheduling	Er. DN Shah Er. AP Shah	SLDC, GETCO
25	Evolution of Asset Maintenance Strategies in Contemporary Power Sector	Mr. Milind Thekedar Mr. Sanjiv Datta Ms. Kalyani Thekedar	JBS Enterprise Ltd.
26	Renewable Energy Integration Challenges in the State of Gujarat: Present Practices, Perspectives for New Technologies & Load Management	Er. SM Soni Er. DH Patel Er. DH Kalsaria Er. SS Tripathi	SE, GETCO DE, GETCO DE, GETCO JE, GETCO
27	Power Reforms – Expectations from Power Transmission Segment	Er. SM Takalkar Er. KG Gaikwad	Takalkar Power Engineers & Consultants Pvt. Ltd.
28	Adoption of Condition Based Maintenance and Managing Reliable & Quality Power Supply Under Transitional Scenario	Dr. AJ Chavda Mr. NM Sheth	ACE, GETCO EE, GETCO

29	Power Sector Reforms – Then & Now	Er. AK Rajput Er. Sheetal Jain Er. Sushil Kumar Suman Er. Naveen Kumar	CE, CEA Dy. Dir., CEA Asst. Dir., CEA Asst. Dir., CEA
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The technical programme of 25 May 2022 was followed by Musical Evening. The renowned orchestra of Vadodara namely “**MEGHDOOT MELODY CLUB**” presented filmy songs of yester years and those from 90s. This was followed by Grand Dinner. The programme was attended by delegates, their family members and invitees.

On 27 May 2022, a visit to Statue of Unity was organized for the benefits of the delegates and their accompanying persons. About 20 members opted for the visit. Members visited River Bed Power House, Canal Head Power House, 400kV GIS, Statue of Unity, Er. PH Rana, Er. YD Mehta, Er. PA Shah and Er. NG Yadav escorted and facilitated the visitors. The delegates & their family members appreciated the excellent arrangement made by SPE(I) Vadodara..



Delegates & their family members at Statue of Unity

NOTICE FOR 26TH ANNUAL GENERAL MEETING

DT. 21 Jul 2022

The Society of Power Engineers (India), Vadodara Chapter has completed 25 years of existence. **The 26th Annual General Meeting (AGM) is scheduled to be held on 28 Aug 2022 (Sunday) at 09.30 hours at Baroda High School, Opp: Express Hotel Petrol Pump Lane, Alkapuri, Vadodara-390 007**

Following business will be transacted during the AGM.

1. To confirm the minutes of the last AGM dt. 26 Sep 2021
2. To present Secretary's report for the year 2021-22.
3. To approve audited financial account of the chapter for the FY 2021-22.
4. To approve the budget for the FY 2022-23.
5. To appoint Auditor for the FY 2022-23
6. Felicitating the Life / Fellow Members who have completed 65 years as on 31 Aug 2022 (i.e. between 01 Sep 2021 & 31 Aug 2022); earlier left out of last year (i.e. between 01 Sep 2019 & 31 Aug 2020) and spillover of past years.
7. To elect Member of Executive Committee against vacancy due to retirement in rotation of $\frac{1}{3}$ members out of 12 as per provision of constitution/bylaws.
8. Any other business with the permission of the Chair

EXPLANATORY NOTES:

A. The Secretary's Report including the activities carried out during the year **2021-22** (Annexure-1), the copy of the audited Income & Expenditure Statement (Annexure-2), the copy of the audited Balance Sheet as on 31 Mar 2022 (Annexure-3), Auditor's Report (Annexure-4), Budget for the FY 2022-23 (Annexure-5), Election Notification (Annexure-6) and Nomination Form (Annexure-7) are attached here with. The members may kindly go through above and send their written comments (if any) to the Secretary latest by **20 Aug 2022**.

B. As per tradition, engineers who have rendered meritorious service in **Power Sector** or have contributed significantly in the development of **Power Sector** or have achieved distinction in their field of activities during current year, are conferred with **Meritorious Award** during the AGM. Nominations are invited from the members for themselves or for other members with their consent on plain paper with such detail and proposal supported by any other member. The nominations should reach the office of SPE (I), Vadodara latest by **12 Aug 2022**. The consideration of the nomination for the award will be at the sole discretion of the scrutiny committee. Member selected for Meritorious Award will be intimated in advance to enable him to remain present in the AGM.

C. Names of **LIFE FELLOWS / MEMBERS** who will be completing **65** years of age as on 31 Aug 2022 (i.e. between 01 Sep 2021 & 31 Aug 2022) and spillover are sorted out from the record with SPE(I)-Vadodara and sent through e-mail to such members. However, eligible members are requested to intimate their names in person/by post/e-mail, if left out. This is to avoid omission due to wrong or no data available in the office of SPE(I) Vadodara. Intimation is expected from the members in time for arrangement but not later than **20 Aug 2022**.

D. Er. SM Takalkar, Er. SM Godkhindi, Er. NC Solanki and Er. SP Trivedi are retiring in rotation on completion of their term. There are **4** clear vacancies. Nominations are invited from eligible candidates for these **4** vacancies. The retiring members are also eligible to contest for the election for the post of Executive Committee Member.

E. Er. PN Shah will be the polling and returning officer. The Election Notification is attached as Annexure-6. Nominations in sealed envelope should reach the polling and returning officer or member of his team or SPE(I) Vadodara Chapter's Vadodara office on or before scheduled date and time. The contact numbers of polling and returning officer and his team are as under

F. Polling and Returning Officer is **Er. PN Shah, (M): 99252 08108; e-mail id: god_pns@yahoo.com** Er. PA Shah (M) 99252 33958, will assist Er. PN Shah for election activities.

G. Life / Fellow Members and Yearly Members (who have paid all dues of society on or before 30 Jun 2022) are only eligible to vote and contest. Proxy voting is not permitted. Student members are not eligible for voting.

H. GENERAL:

- a) The AGM will be followed by **Lunch**.
- b) Counter will remain open near registration desk for accepting annual subscription, new membership forms, donations, request for change in address, e-mail Id and mobile number of existing members and issuance of I-cards to Life Fellows/ Members.
- c) Annual members who have yet not paid their subscription for the year 2021-22 are requested to pay the same in cash or by cheque at this counter without fail. The outstation members can pay by net banking or by cheque/demand draft in favor of "Society of Power Engineers (I)" payable at Vadodara. The members in arrears may contact SPE (I)-Vadodara office at above address or ring up during office hours (16.30 to 19.00 hrs.) except Sunday and Public Holiday} to know the details about their dues.

d) Annual members are advised to become Life Member, if they are meeting with the Life Membership criteria.

- e) The AGM Programme schedule is as under:
 - a. **08.30 Hrs. - Assembly and Refreshment**
 - b. **09.30 Hrs. - AGM Business**
 - c. **11.30 Hrs. - Election.**
 - d. **13.00 Hrs. - Lunch.**

F. The AGM is scheduled at **09.30** hours. In case of lack of quorum, it will be re-scheduled, and the house will assemble after 30 minutes and take up the business in the presence of the members present considering it as a quorum. The decision taken by the members present, will be binding to all.

J. The Members who wish to make any suggestions can inform the same to the undersigned in writing at least 7 days in advance, to plan the time slot for discussion.

K. Members are advised to update their contact details e.g. mobile number, e-mail Id and postal address. They are also requested to propagate this message to other members particularly to those who are out station and/or not frequent participants in our programmes. This is to have perfect contact list for assured communication.

Er. VB harani
I/c Secretary

ANNEXURE-1

SECRETARY'S REPORT (2021-2022)

Dear Members,

It gives me great pleasure to welcome you to the **26th AGM** of **Vadodara Chapter**. During this period, the Chapter has made a reasonable progress even with difficult situation. During the period from last AGM to this AGM, total **40** new members are registered which includes **01 Annual Member, 01 Student Member** and **38 Life Members** including **1 Institutional Life Member**.

Thus, total registered members of SPE (I) Vadodara Chapter as on **31 Jul 2022** are **2398** out of which there are **593 Life Members**.

It is my privilege to present before you that our Chapter has organized **4** monthly lectures, **1 Symposium on Power Reforms & its Effects on Development** and **2-Day Conference on Power Reforms – Process, Expectation & Achievements**.

Programme wise details are discussed below:

- On **03 Oct 2021**, the **Chapter** organized **Satya Narayan Pooja** to celebrate the **Foundation Day** of the Chapter. The pooja, which was organized at the office premises of the Chapter, was well attended by members and their spouse. The pooja was performed by **Er. SM Takalkar**, Vice-Chairman of the Chapter and his better half **Mrs. Purnima**. The members and their family availed Prasad and greeted each other.
- On **23 Oct 2021**, the **Chapter** organized evening lecture session on the topic of **“Robot for the Management of HV Assets”**. The speaker was **Er. Nihar Raj**, VP in Adani Transmission Group and Patron of SPE(I) Vadodara.
- On **10 Nov 2021** the **Chapter** celebrated the **“Power Day”** to commemorate establishment of first Hydro Electric Power House in Sindrapang (near Darjeeling) on 10 Nov 1897. The Hon'ble Mayor of Vadodara **Er. Keyur Rokadia** was the Chief Guest of the event. Three learned speakers **Er. PH Rana**, Ex-Member (T) of GEB and Patron of SPE(I) Vadodara, **Er. SM Takalkar**, Power Consultant and Vice-Chairman of SPE(I) Vadodara and **Er. Chirag Baxi**, Retd. AGM & HOD(Civil), GNFC also made presentation.
- On **19 Nov 2021**, the **Chapter** organized a lecture on the topic of **“Power your mind for better interpersonal relationship”**. The learned speaker was **Dr. Usha Vasthare**, founder of Yoga Kshema Rehabilitation and Wellness Centre, Philadelphia.
- On **14 Dec 2021**, the **Electrical Department of Vadodara Division of Western Railway** invited **SPE(I) Vadodara** and **IE(I) Vadodara** to give presentation on **“Energy Conservation”**. The event was arranged in conference room of DRM's office, WR, Pratapnagar, Vadodara. **Er. SM Takalkar**, Vice-Chairman and **Er. PA Shah**, ACM represented SPE(I), Vadodara. **Er. Keyur Thakkar** and **Er. SK Joshi** represented IE(I) Vadodara.
- On **14 Dec 2021**, the **Chapter** celebrated **“Energy Conservation Day”**. Popular lectures were delivered by **Er. PA Shah**, Retd. CE, GETCO & ACM of SPE(I) Vadodara, **Er. (Ms.) Hetal Trivedi**, Director, Trivedi Group of Companies and LM of SPE(I) Vadodara and **Er. RM Panchal**, Retd. CE, GUVNL and LM of SPE(I) Vadodara.
- On **07 Jan 2022**, the **Chapter** organized a **Musical Evening** for members and their spouse as a part of **Silver Jubilee Celebrations** of the Chapter.
- On **12 Mar 2022**, the **Chapter** organized a **Symposium** on the topic of **“Power Reforms and its Effects on Development”**. The eminent speakers **Er. PH Rana**, Independent Director, MGVCL, **Er. SM Takalkar**, Managing Director, M/s Takalkar Power Engineers & Consultants Pvt. Ltd., **Er. Upendra Pande**, MD, GETCO, **Shri KP Jangid**, GM (Commerce), GUVNL, **Er. Prasanna Kumar**, MD, GSECL, and **Er. Ashwin Khambhatta**, Retd. ACE, GUVNL made presentation on various topics.
- On **10 Apr 2022**, as a part of **Silver Jubilee Celebrations**, the **Chapter** organised a **Cultural Event “SPE Has Got Talent”** for the members and their spouse.
- On **17 Apr 2022**, as a part of **Silver Jubilee Celebrations**, the **Chapter** organised an event **“Expression of Gratitude and Felicitations”** to felicitate the members and individuals who contributed in the development of the Chapter to reach this height.
- On **22 Apr 2022** **Chapter** organized a business promotion event for the benefit of **M/s UGA Cable and Pipe Sealing Systems** and **M/s Tera Supplies**. **Shri Deepak Shewani** was the speaker and presenter.
- On **25 & 26 May 2022**, **2-Day Conference on “Power Reforms – Process, Expectation & Achievements”** was organized by **CBIP, New Delhi in Association with SPE(I), Vadodara Chapter at Vadodara**.

SAD DEMISE OF OUR LIFE FELLOWS / MEMBERS:

It is heartrending to note that during this year, SPE (I), Vadodara Chapter has lost members who departed for their heavenly abode. They are:

1. **Er. PO Parikh**
2. **Er. NT Shah**

We respect their valuable support and preserve

their memories.

With this information I hereby conclude my report.

Thank you all

Er. VB Harani
I/C Secretary

ANNEXURE-2

THE SOCIETY OF POWER ENGINEERS (INDIA)
VADODARA CHAPTER

48-FF, Avishkar Complex, Near Vidyut Nagar,
Old Padra Road, Vadodara-390 007

Income and Expenditure Statement
01 Apr 2021 to 31 Mar 2022

Particulars	01 Apr 2021 to 31 Mar 2022	Particulars	01 Apr 2021 to 31 Mar 2022
Direct Expenses	5,65,983.17	Direct Incomes	4,13,535.12
Accounting charges	17,700.00	Workshop Receipts	80,200.00
AGM expense	40,090.00	Admission Fee	5,400.00
Allowance to Staff	2,900.00	Annual subscription	1,200.00
Bank charges	791.60	Interest on FD	1,12,764.00
Bonus to employee	4,000.00	Interest on MGVCCL Adv.	133.12
Computer expense	3,050.00	Interest on Savings A/c	5,893.00
Conveyance expense	8,885.00	Life Fellowship fee	5,000.00
Courier charges	130.00	LM Fee Institutional	25,000.00
Depreciation	15,788.00	Life Membership Fee	69,000.00
Electricity charges	4,632.77	Local charges	18,600.00
Lecture expense	61,959.00	Other Income	45.00
Maintenance Charges	1,500.00	Seminar Fee received	90,300.00
Meeting & Seminar exp.	9,970.00		
Office expense	10,291.00	Indirect Income	
Printing & Stationery exp.	7,408.00	Excess of Expenditure	1,54,904.05
Professional Tax	2,000.00	over income	
Property Tax	12,053.00		
Salary expense	50,400.00		
Silver Jubilee Expenses	2,81,850.00		
Telephone expense	11,206.00		
Website charges	15,834.80		
Total	5,68,439.17	Total	5,68,439.17

Sd/-
Chairman

Sd/-
Vice-Chairman

Sd/-
Secretary

Sd/-
Treasurer

THE SOCIETY OF POWER ENGINEERS (INDIA)
VADODARA CHAPTER

48-FF, Avishkar Complex, Near Vidyut Nagar,
Old Padra Road, Vadodara-390 007

Balance Sheet
01 Apr 2021 to 31 Mar 2022

Liabilities	as at 31 Mar 2022	Particulars	as at 31 Mar 2022
Capital Account	22,30,849.66	Fixed Assets	1,38,501.00
Reserves & Surplus	1,20,439.14	Computer	253.00
General Fund	21,10,410.00	Office Equipment	1,398.00
		Office Furniture	21,965.00
Loans (Liability)	5,25,495.00	Office Premises	1,12,353.00
Sundry Creditors	1,58,193.00	Avishkar Complex	
Donation for	3,67,302.00	Printer & Scanner	1,725.00
Silver Jubilee		Refrigerator	807.00
		Investments	21,66,772.00
		FD BoI 000359	2,00,000.00
		FD with BoB 5306	51,958.00
		FD with BoB 5307	51,958.00
		FD BoI FD No. 1	1,00,000.00
		FD BoI FD No. 2	1,00,000.00
		FD BoI FD No. 3	1,00,000.00
		FD BoI FD No. 4	1,00,000.00
		FD BoI No.250145110015744	3,59,008.00
		FD BoI No.250153710000564	1,00,000.00
		FD BoI No.250145110017199	53,619.00
		FD BoI No.250145110018018	50,229.00
		FD PNB No. 000015	3,00,000.00
		FD PNB No. 000024	1,00,000.00
		FD PNB No. 000489	5,00,000.00
		Current Assets	3,76,113.99
		Deposits (Asset)	12,940.00
		Loans & Advances.(Asset)	329.10
		Cash-on-hand	3,687.00
		Bank Accounts	2,85,099.89
		TDS by Client	75,058.00
		Excess of expenditure	72,957.67
		Over income	
		Opening Balance	(-)81,946.38
		Current Period	1,54,904.05
Total	27,56,344.66	Total	27,56,344.66

Sd/-
Chairman

Sd/-
Vice-Chairman

Sd/-
Secretary

Sd/-
Treasurer

AUDITOR'S REPORT

NIRAJ MAJMUNDAR & ASSOCIATES
Chartered Accountants

127, First Floor, Panaroma Complex, Racecourse, Vadodara-390 007

Tel: 2331036, e-mail: nipramaj@rediffmail.com

We have audited the attached Balance Sheet of the **SOCIETY OF POWER ENGINEERS (INDIA), VADODARA CHAPTER** as on **31 Mar 2022** and the Income and Expenditure for the period ended on that date annexed thereto. Preparation of these financial statements is the responsibility of the association. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the firm, as well as evaluating the overall financial statement preparation. We believe that our audit provides a reasonable basis for our opinion.

Further, we report that:

1. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
2. In our opinion, proper books of accounts as required by the law have been kept by the association so far as it appears from our examination of the books of the association.
3. Subject to the observations given below, the Balance Sheet and Income and Expenditure account dealt with by the report are in agreement with the books of accounts of the association:
 - a. During the year, the Chapter has provided depreciation on its assets as per the rates prescribed under the Income Tax Act.
 - b. The investment by the Chapter in the form of Fixed Deposits with various Banks has

been reflected in the books of accounts at the value by considering interest component as derived from the certificates issued by such Banks, net of Tax Deduction at source

Amount of earning in the form of 'interest on fixed deposits', either standing at the close of the year or matured and realized during the year, has been accounted for at actual on the basis of entries recorded by the respective banks in the pass book or bank statement.

- c. At the close of the year, the Chapter has outstanding liability of Rs. **1,44,716** towards Head Office, New Delhi against the opening outstanding liability of Rs. **1,35,493**, after giving effect to the adjustment on account of taxation as conveyed by the Head Office.
4. In our opinion, and to the best of our information and according to the explanations given to us, the said accounts read together with the notes thereon give the information so as to present a true and fair view in conformity with the accounting principles generally accepted in India:
 - (a) in case of the Balance Sheet, the state of affairs of the Chapter as at **31 Mar 2022** and
 - (b) in case of Income and Expenditure account, of the excess of Income over Expenditure for the period ended on that date.

For Niraj Majmundar & Associates
Chartered Accountants
Firm Regn. No. 114880W
Sd/-

Place: Vadodara
Date: Jul 25, 2022

(Niraj Majmundar)
M. No. 041120

DIN:21041120AAAAAAE1274

SPE (I), Vadodara Chapter
BUDGET for 2022-23

SPE (I), VC BUDGET		
INCOME		2022-23
A/c Head	Description	Budget (Rs.)
R 1.0	Subscription & Fees	100,000
R 2.0	Seminar / WS, Delegate Fees & Sponsorship	900,000
R 3.0	Monthly Lecture Sponsorship	100,000
R 4.0	FD & S/B A/c Interest	120,000
R 5.0	Member / Individual Donation	100,000
R 6.0	Advertisement other than Seminar	50,000
R 7.0	Misc. other than above	30,000
	Grand Total	1,400,000
EXPENDITURE:		2022-23
A/c Head	Description	Budget (Rs.)
E 1.0	Central Share	60,000
E 2.0	Seminar / Workshop Expenditure	600,000
E 3.0	Monthly Lecture Expenditure	150,000
E 4.0	Office Expenditure	50,000
	Salary, Bonus, Allowances etc.	72,000
	Taxes - Property, Professional, Bills etc.	15,000
E 5.0	AGM & Silver Jubilee Expenditure	55,000
E 6.0	Technical Study Tour	50,000
E 7.0	Printing & Courier Expenditure	20,000
E 8.0	Accounting & CA Fees	20,000
E 9.0	Misc. other than above	10,000
	Surplus	298,000
	Grand Total	1,400,000

ELECTION NOTIFICATION

I, **Er. PN Shah**, am appointed as an Election Officer by the Executive Committee of The Society of Power Engineers (I), Vadodara Chapter for holding Election of following new committee members for the period of 3 years (2022-23 to 2024-25) during Annual General Body Meeting to be held on **28 Aug 2022 (Sunday)** at **Baroda High School, Opp: Express Hotel Petrol Pump Lane, Alkapuri, Vadodara-390 007**

Vacancies for New Committee Members are 4 (Four) for which election will be conducted. They are by virtue of the retirement in rotation of **Er. SM Takalkar, Er. SM Godkhindi, Er. NC Solanki and Er. SP Trivedi.**

Note:

Nominations are invited in following Manner

- (i) Nomination for Regular retiring members' constituency i.e. against 4 retiring members for tenure of 3 years.

The scheduled programme of Election is as under:

- 1) Date of Issuance of Nomination Form: **02 Aug 2022 to 19 Aug 2022**
- 2) Final Date of Receipt of Nomination Form: **20 Aug 2022 till 17.00 Hrs.**
- 3) Date for withdrawal of Nomination: **Up to 23 Aug 2022 till 17.00 Hrs.**
- 4) Date & Time of Election: **28 Aug 2022 from 12.10 Hrs. onwards.**

Life Members, Life Fellows and yearly members (who have paid all dues of society on or before 30 Jun 2022) are only eligible to vote and contest. Nomination forms shall be sent to Election Officer in person or by post to the address given below.

**Address: B/204, Param Paradise,
Behind Rameshwar School,
Behind GEB, Gotri Road,
Vadodara-390 007.
Mobile No. 99252 08108
e-mail id: god_pns@yahoo.com**

Alternatively, nomination forms can be sent to members of election team or SPE(I) Vadodara Office on or before scheduled time.)

An election nomination form is attached here with as Annexure-7. The decision of Election Officer shall be final and binding to all the candidates and members.

Place: Vadodara

Date: **21-07-2022**

Sd-

(PN Shah)

NOMINATION FORM

From:

Name: _____

Membership Grade: _____

GR No. _____

Date: / /2022

To

The Election Officer

SPE (I) Vadodara Chapter Election 2021,

The Society of Power Engineers (I),

FF 48, Avishkar Complex, Old Padra Road, Vadodara-390 007.

Sub: Nomination for Post of Executive Committee Member (2022-25)

Dear Sir,

I, the undersigned, Er., am willing to contest for the Executive Committee Member post and hence nominate myself for this post.

My supporting members are as under:

Sr. No.	Name	Grade of Membership	GR No.	Signature
1				
2				

I do hereby declare that I will abide by the rules and regulations of the SPE (India) Vadodara Chapter, if declared as elected.

Thanking you,

Yours sincerely,

(.....)

FELICITATION OF LIFE FELLOW/MEMBERS ON COMPLETION OF 65 YEARS

GR No.	Member's Name	Grade	Enrolment Year	Birt Date
1151	Dalvi Mohanlal S	LM	2004	14 Sep 1956
2331	Kumar Anil	LM	2018	15 Sep 1956
2267	Shah Urmila(Ms) H	LM	2017	15 Oct 1956
236	Prabhu Kumble J	LF	2001	16 Nov 1956
1461	Dave Pradip S	LF	2008	28 Nov 1956
2055	Patel Mukesh A	LM	2013	22 Dec 1956
843	Hingoo Gordhanbhai M	LM	2002	24 Dec 1956
722	Sharma Kripa S	LM	2001	25 Dec 1956
1180	Jethwa Uchhrang K	LF	2005	14 Jan 1957
2	Shah Akshay R	LM	2000	06 Mar 1957
2226	Thakkar Jagdishchandra K	LM	2015	26 Mar 1957
2315	Patel Dilipbhai M	LM	2017	27 Apr 1957
2329	Shukla Nilesh J	Hon. LF	2018	15 May 1957
1658	Prasad Srinivasa G	LM	2010	28 Jun 1957
1308	Shah Mukesh (Dr.) K	LM	2006	03 Jul 1957
2077	Shah Janakkumar S	LM	2013	12 Jul 1957

SWEET MEMORABLE MOMENTS OF THE SILVER JUBILEE EVENTS OF THE CHAPTER ON 10 & 17 APR 2022



Er. PH Rana presenting
a song



Er. Nihar Raj presenting a song

Members with their Family and Invitees enjoying the event



Cultural Event presenters respond to the big applause of the Audience



A stand-up comedy by Er. Takalkar, Er. Kamble, Er. Solanki, Er. Shah, Er. Mehta and Er. Acharya

Dance by Ku. Dhruvi Pandya, granddaughter of Er. NM Pandya



Lighting of auspicious lamp by Dignitaries



Er. SM Takalkar ,
Vice-Chairman
presenting Award to
Er. AM Shukla for
Social Services

Er. GV Akre,
Present Chairman
greeting
Er. N Dinker
Founder Chairman



Er. Upendra Pande, MD,
GETCO felicitating
Er. GV Akre, Chairman



Launching of new LOGO of SPE(I) Vadodara by Er. Upendra Pande, MD, GETCO and Er. Sanjeev Singh, Director (Energy), CBIP

Er. PH Rana felicitating Er. KN Rathod



Er. GV Akre, Chairman felicitating Er. JK Surti



Er. SM Takalkar,
Vice-Chairman
felicitating
Er. Nihar Raj



Er. GV Akre,
Chairman
felicitating
Smt. PS Takalkar,
Director, TPECPL

OBITUARY



Er. Navinchandra T Shah, Retd. SE, MGVCL, and **Life Member** of Society of Power Engineers (I) Vadodara Chapter passed away on **25 Jun 2022**.

He was an active Member of the Chapter

May God give peace to the departed soul and give strength to his family members to bear the impact.

THE END