

SPE NEWS LETTER

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THE SOCIETY OF POWER ENGINEERS (INDIA)

VADODARA CHAPTER (ESTD. 1996)

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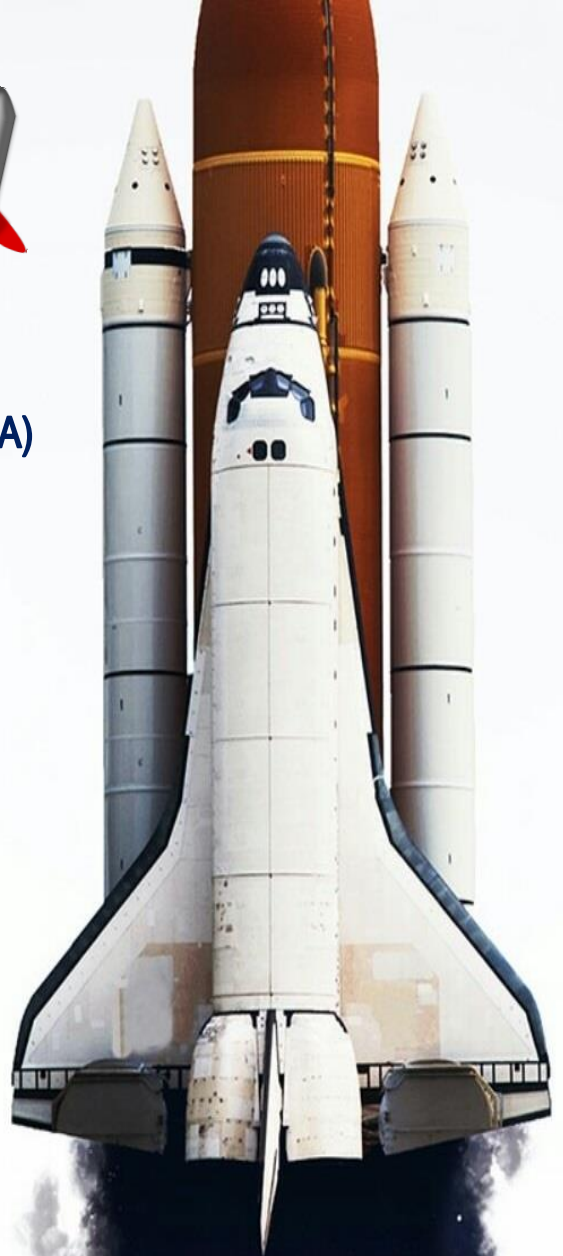
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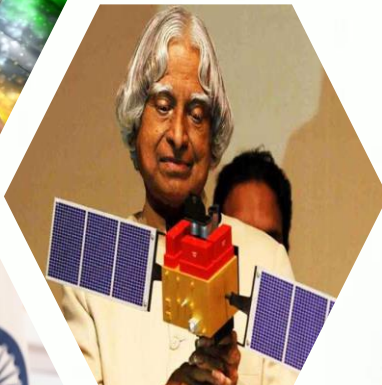
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AGM
25 AUG 2019
Notice Inside



Dr.
A.P.J.
Abdul
Kalam
27 July

OFFICE BEARERS & EXECUTIVE COMMITTEE MEMBERS FOR 2018-19

Er. GV Akre	Chairman	Er. VB Harani	Member
Er. SM Takalkar	Vice-Chairman	Er. AN Makwana	Member
Er. RS Shah	Secretary	Er. DC Mehta	Member
Er. GP Shukla	Jt. Secretary	Er. VJ Desai	Member
Er. NG Yadav	Jt. Secretary	Er. NC Solanki	Member
Er. SM Godkhindi	Treasurer	Er. KN Velani	Member

ADVISORY COMMITTEE

Er. KN Rathod	Er. JK Surti	Er. Nihar Raj
Er. RN Purohit	Er. PA Shah	Er. YK Sharma
Er. MG Mehta	Er. NV Lathia	Er. DH Chaudhari
Er. VB Kambad	Er. HM Solanki	Er. DV Patel

EDITORIAL BOARD

Er. AK Singh Er. SM Takalkar Er. KN Velani

SPECIAL INVITEE TO THE EXECUTIVE COMMITTEE

Er. N Dinker

OFFICE ADMINISTRATION COMMITTEE

Er. SM Godkhindi Er. GP Shukla Er. DC Mehta Er. NC Solanki

OBITUARY



Shri Namdeo P Fulzele, Retd. Class-I Officer, Indian Railways and Life Member of Society of Power Engineers (I) Vadodara Chapter, passed away on 18 Mar 2019.

After obtaining Graduation in Science from Nagpur, he joined Indian Railways in a junior cadre and reached to the position of Class-I officer.

He used to attend all the events of SPE(I) Vadodara regularly till he started ailing. He passed away after a brief illness.

In his death, Chapter has lost a well-wisher and an active member.

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

the impact.

Er. KR Kumble, Life Member of Society of Power Engineers (I) Vadodara Chapter passed away last year. The news were given by his son much later.

In his death, Chapter has lost a well-wisher and an active member.

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





The Prime Minister, Narendra Modi has put science, technology and innovation at the top national priorities since the formation of his first government in 2014. During his inaugural address at 106th session of the Indian Science Congress, he has given stress on the theme for this year, 'Future India: Science and Technology'. He also said that India's true strength will be in connecting its science, technology and innovation with its people. He also pointed out that more Technology Business Incubators have been established in the last four years than in the forty years before that. Now, that his government has second term for another five years, we will witness many achievements in science and technology.

Government is helping to formulate appropriate science and technology interventions and catalyze collaboration among ministries and different institutes from India and other countries. In the month of April 2019, an important yearly event, Annual India Symposium, 'Science and Society' was held at Vigyan Bhavan in New Delhi. The event was organized by the Lakshmi Mittal and Family South Asia Institute (LMSAI), Harvard University in partnership with the Office of The Principal Scientific Advisor to GOI and NITI Aayog. It hosted many scientists from India and US.

The purpose of these annual events is to shine spotlight on science clusters existing in India and bring them together with other talents and industries and accelerate the exchange between them. Each cluster basically has a set of collaborating universities and research centers. Such collaboration will make it easier for scientists and students and industries to build the bridges between them for effective and fruitful development of science. The other very important purpose is to bring together Indian and US scientists to collaborate on scientific research. It is very costly and impractical for India to engage in research in isolation. The research, which is already done, can be shared between India, US and even other countries through these collaborations.

There are some mechanisms which are already in place to fulfill this purpose, like Indo-US Science & Technology Forum (USSTF), Tata Trust with University of California, ministry of science and technology and few others.

India has national laboratories, universities, IITs, IISC, TIFR, ISRO, and premier science and research institutes like IISERs which are engaged in research and development since many years now. The government has also launched the 'Prime Minister's Research Fellows' Scheme under which, a thousand bright minds from the best Institutions in the country will be offered direct admission in Ph.D. Programs in IITs and IISc.

To link science and innovation to the young generation, the government has established "AIM- Atal Innovation Mission" under NITI Aayog to promote innovation among schools, educational and research institutions, industries and ministries. The Mission has planned to open more than 5000 number of "Atal Tinkering Laboratories (ATLs)" in high schools in the country for this purpose.

By connecting science, technology and innovation with societal outcomes, government is driving strong economic and social progress for India which will see our dream of "Future India- Science and Technology" come true.

With best wishes,

GV Akre
Chairman





Dear Reader,

The Union Government has over the past 3 years introduced policies to tackle some of the legacy issues plaguing the sector like debt restructuring of state DISCOMs; availability of domestic coal for thermal power plants, development of a robust national power-grid and developing last-mile power transmission & power-evacuation network. Schemes like UDAY, SHAKTI and SAUBHAGYA aim to address these issues and are at various stages of implementation.

Electricity generation during FY 2019-20 is expected to grow by 6.0-7.0%. Rural electrification is expected to drive demand for electricity as millions of households get connected to the grid in the coming months.

Coal availability continues to be the major issue for the power industry. The shortage of coal may sustain, which will in turn lead to surge in power tariff. Power intensive industries would be impacted due to high power tariff on the spot markets. Unavailability of coal is also hampering possible improvement in thermal power capacity utilization.

AT&C losses are expected to improve, closer to 15% target set by the Union Government, as state DISCOMs focus on achieving 100% distribution transformer metering (DT Metering) by the end of FY 2019-20.

With sizeable increase in Renewable power capacity, State DISCOMs should be mandatorily

made to meet their Renewable Purchase Obligations (RPO). Renewable capacity accounts for 20% of total installed capacity and is expected to reach 25% by 2020. The Union Government needs to incentivize and provide viable operational environment to renewable energy developers. RPOs should be gradually increased to 10% by 2020 and 12% by 2022 with renewable energy taking-over part of the incremental power demand without impacting capacity utilization of existing conventional power plants.

Robust Grid and supply transmission network require sizable investments over the next 12-18 months. Supply transmission and distribution network would be vital in connecting un-electrified households in rural areas thereby improving demand for power. Grid connectivity on the other hand is vital for power-evacuation for new projects especially in the renewable segment. GoI is encouraging private players in generation and transmission sector. It is heartening to know that thousands of circuit kilometres of transmission lines up-to 756kV are being constructed by private developers on Public Private Partnership (PPP) model. This has strengthened the transmission network in the country.

We will be extremely happy to receive your views, opinions and suggestions. Please feel free to reach out to us.

Happy Reading!

(AWADHESH KUMAR SINGH)

CHAPTER'S ACTIVITIES



➤ On **25 Apr 2019**, the **Chapter** organized an evening lecture on the topic of "**Professional Ethics**". The lecturer was **Er. Harit M Bhatt**, retired Material Manager, IPCL, Vadodara. The lecture broadly covered the following:

- The honesty should be purposeful otherwise it may not serve the purpose.

- The corruptions can be by stealing, gifting, acknowledgement or forcible. He went on to describe these forms.
 - The basic principles of personal ethics are Gunas, Competence, Commitment, Credibility and Creativity.
 - Corporate ethics include governance, transparency, shared values, managerial skills, appropriate performance.
- He gave number of examples to substantiate the personal and corporate ethics.

The programme was appreciated by the members present.

The speaker was introduced by Er. VB Harani. Er. RS Shah, Secretary presented vote of thanks.

➤ On **17 May 2019**, the **Chapter** organized a lecture by **Dr. Mayur Punekar** on the topic of “**5-G Technology Evaluation and Expectations**” at Vasvik Auditorium the Institution of Engineers (I), Vadodara. The lecture was organized on behalf of the Institution of Engineers (I) Vadodara Local Centre as a part of **Word Telecom Day** celebration.

Er. NP Singh Brar, Chairman of IE(I) Vadodara presented welcome speech. He explained the importance of Telecom Day celebration. He also described various activities being conducted by IE(I). He stated that the Telecom has brought people of the world close to each other.

Dr. Punekar, Asst. Professor at the Institute of Information Technology, Vadodara covered the following in his presentation.

The evolution of information technology and its road map from 1-G to 4-G.

Now as the technology is marching towards 5-G, it is necessary to know the added features of this latest evolution.

The early mobile system was based on the communication through towers and base station. Now satellites are used for fast communication. The CDMA system in 90's used frequency band of 900 to 1000MHz, only SMS was possible. The frequency band increased with the generation of IT (2-G, 3-G etc.). The same has reached to 2300MHz. This evolution has brought in high quality video, live TV, IoT, M&M communication etc. The 5-G will help in cloud computation and for a very wide range. The applications which were not thought of, will now be available in 5-G.

The lecture was well received. The speaker was introduced by Er. SM Takalkar, Vice-Chairman, SPE(I) Vadodara. The vote of thanks was presented by Er. SM Godkhindi, Treasurer, SPE(I) Vadodara.

➤ On **06 Jun 2019**, as a part of celebration of **World Environment Day** (5th June), a Lecture Programme was organized by The Institution of Engineers (I), Vadodara Local Centre at Vasvik Auditorium. SPE(I) Vadodara Chapter was

invited to join the event. The talk was on “**Air Pollution, Climate Change & Urbanization**”. Welcome address was given by **Her Majesty Rajmata Shubhaginidevi**, Chairperson, SOCLEAN.

A Keynote address was delivered by **Shri Kartikeya Sarabhai**, Director SOCLEAN. The celebration of World Environment Day started in 1972. Cleaning of the city and town is main aspect of Clean Environment. Every year there is different theme, this year it is Air Pollution. He informed that the Air Pollution cannot be reduced by Law, but self-awareness is the need of the hour. Secondly, without education there is no meaning of rules or laws. Further, he added that the use of plastic should be reduced. Reduce, Reuse and Recycle plastic materials is the main theme for reduction of plastic wastage.

He gave the facts and figures of death of people due to air pollution. As per report, about 7.5 Billion People die every year in the world out of which 4.3 Billion People die due to inhouse air pollution like smoke, rotten vegetable, over ripe fruits, animal dugs, etc. Therefore, air pollution in the house must be given equal weightage. The air pollution can be reduced by growing trees in cities and towns.

Er. Navinbhai Vasoya, past president of IE (I), Gujarat Region Centre informed about the establishment of IE (I) and growth. He delivered the lecture on Air Pollution. He stated that due to air pollution, people may suffer from various diseases like Lung Infection Heart Stroke, Pneumonia, Respiratory issues etc. He gave the message that Do Some Thing for Society & Family to maintain the Health and Climate.

After the lectures there was interesting Q & A session. The members of SPE(I) Vadodara participated in a big way.



Notice for 23rd Annual General Meeting

Dt. 22 Jul 2019

The Society of Power Engineers (India), Vadodara Chapter has completed 23 years of existence. **The 23rd Annual General Meeting (AGM) is scheduled to be held on 25 Aug 2019 (Sunday) at 16.00 hours at Baroda High School, Alkapuri, Opp: Hotel Express Petrol Pump's Lane, Vadodara-390 007**

Following business will be transacted during the AGM.

1. To confirm the minutes of the last AGM held on **29 Jul 2018**.
2. To present Secretary's report.
3. To approve audited financial account of the chapter for the **FY 2018-19**.
4. To approve the budget for the **FY 2019-20**.
5. To appoint Auditor or the **FY 2019-20**
6. Distribution of Merit Awards for the year 2018-19(if any).
7. Honoring the life members who have completed **65** years as on **31.08.2019** (i.e. between 01 Sep 2018 & 31 Aug 2019).
8. To elect member of Executive Committee against vacancy due to retirement of 1/3 members out of 12 as per provision of constitution/bylaws. Also, in view of resignation of Er. DC Mehta, EC Member, 1 post of EC member is to be filled for remaining period of 2 years of his tenure.
9. Any other business with the permission of the Chair

EXPLANATORY NOTES:

- A. The Secretary's Report including the activities carried out during the year **2018-19** (Annexure 1), the copy of the audited Income & Expenditure Statement (Annexure 2), audited Balance Sheet (Annexure 3) and Budget for the **FY 2019-20** (Annexure 4) are attached here with. The members may kindly go through above and send their written comments (if any) to the Secretary, latest by **16 Aug 2019**.

SPE (I), VC BUDGET FOR 2019-20 (In Rupees)

INCOME:

Annexure-4

A/c Head	Description	Budget Amount
R 1.0	Subscription & Fees	80,000
R 2.0	Seminar / WS, Delegate Fees & Sponsorship	9,00,000
R 3.0	Monthly Lecture Sponsorship	30,000
R 4.0	FD & S/B A/c Interest	1,50,000
R 5.0	Member / Individual Donation	20,000
R 6.0	Advertisement other than Seminar	10,000
R 7.0	Misc. other than above	10,000
	Grand Total	12,00,000

EXPENDITURE:

A/c Head	Description	Budget Amount
E 1.0	Central Share	40,000
E 2.0	Seminar / Workshop Expenditure	4,50,000
E 3.0	Monthly Lecture Expenditure	2,40,000
E 4.0	Office Expenditure	1,50,000
E 5.0	AGM Expenditure	1,00,000
E 6.0	Technical Study Tour	50,000
E 7.0	Printing & Courier Expenditure	50,000
E 8.0	Accounting & CA Fees	20,000
E 9.0	Misc. other than above	5,000
	Surplus for Silver Jubilee Celebration	95,000
	Grand Total	12,00,000

- 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 **16 Aug 2019**. 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 2019** (between **01 Sep 2018 to 31 Aug 2019**) are listed out from the record with SPE(I)-Vadodara information has been 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 **16 Aug 2019**.

D. Er. SM Takalkar, Er. SM Godkhindi, Er. VB Harani and Er. NC Solanki are retiring on completion of their 3 years' term. There are 4 clear vacancies plus 1 more vacancy for 2 years due to resignation of Er. DC Mehta. Nominations are invited from eligible candidates for these 5 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 kept below. 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 members are as under:
Polling and Returning Officer is
Er. PN Shah, (M): 99252 08108;
e-mail id: god_pns@yahoo.com
Er. PN Thanawala (M)99252 08146,
Er. JD Tamhane (M)98792 02495 will assist
Er. PN Shah for election activities.

F. Life Members/Life Fellows and yearly members (who have paid all dues of society on or before 30-06-2019) are only eligible to vote and contest. Proxy voting is not permitted. Student members are not eligible for voting.

G. **GENERAL:**

- a) The AGM will be followed by **Dinner**.
- 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 2019-20 are requested to pay the same in cash or by cheque at this counter without fail. The subscription for the year 2019-20 shall also be accepted at the counter. 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 member 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 admission criteria.
- e) The AGM Programme schedule is as under:

a. 16.00 Hrs. - Assembly and Refreshment.

b. 16.30 Hrs. - AGM Business.

c. 18.30 Hrs. - Election.

d. 20.00 Hrs. - Dinner.

- H. The AGM is scheduled at 16.30 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 quorum. The decision taken by the members present, will be binding to all.
- I. Some priced publications of SPE(I) Vadodara are available for sale on counter. Those who desire to purchase may book their orders at the counter.
- 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 please propagate this message to other members particularly to those who are out station and/or not frequent participants in our programme. This is to have perfect contact list for assured communication.

(RS Shah)
Secretary

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 (2018-2021) during Annual General Body Meeting to be held on **25 Aug 2019 (Sunday) at 16.00 hours & onwards at Baroda High School, Alkapuri, Opp: Hotel Express Petrol Pump's Lane, Vadodara-390 007**

Vacancies for New Committee Members are 4 for which election will be conducted. They are by virtue of the retirement in rotation of **Er. SM Takalkar, Er. VB Harani, Er. SM Godkhindi** and **Er. NC Solanki**. Also election for 1 New Committee Member for remaining 2 years will be conducted due to resignation of EC member **Er. DC Mehta**

Note:

Nominations are invited in following Manner

- (i) Nomination for Regular retiring members' constituency i.e. against 4 retiring member for tenure of 3 years.
- (ii) Nomination for vacancy created by Er. DC Mehta's resignation, member elected for this post will have tenure of 2 years and will retire after 2 years, which is remaining term of Er. DC Mehta.

Any member eligible to contest can contest from any ONE of the above categories only.

The scheduled programme of Election is as under:

- 1) Date of Issuance of Nomination Form: Open till **12 Aug 2019**.
- 2) Final Date of Receipt of Nomination Form: **17 Aug 2019** till **17.00 Hrs**.
- 3) Date for withdrawal of Nomination: Up to **20 Aug 2019** Till **19.00 Hrs**.
- 4) Date & Time of Election: **25 Aug 2019** from **18.30 Hrs** onwards.

Members desirous of filling nomination form, and or vote, shall be Life Members and Yearly Members of SPE (I), Vadodara Chapter, who are member of the Society atleast 60 days prior to date of election. Nomination forms shall be sent to Election Officer in person or by post to the address given below.

B/204, Param Paradise, Behind Rameshwar School, Behind GEB, Gotri Road, Vadodara, Pin: 390 007. **Mob - 99252 08108**

e-mail: god_pns@yahoo.com

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

A sample election nomination form is attached here with.

The decision of Election Officer shall be final and binding to all the members.

Place: Vadodara

Date: **22-08-2019**

Sd-

(PN Shah)

SAMPLE NOMINATION FORM

From:

Name:

Membership Grade:

GR No.

Date:

To

The Election Officer

SPE(I) Vadodara Chapter Election 2018,

The Society of Power Engineers(I),

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

Sub: Nomination for Post of Executive Committee Member for the period 2019-22 OR for the balance period of 2 Years Er. DC Mehta (2019-21)

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: (Name, Grade of Membership, GR No., Signature)

1)

2)

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

Thanking you,

Yours sincerely,

(.....)

Dear Members,

It gives me a great pleasure to welcome you to this **23rd AGM** of the Chapter. During this year, the Chapter has made a good progress. In the Financial year 2018-19. From previous AGM of 2018 to this AGM, **10** new members are enrolled which includes **1** Institutional Members, **1** Life Fellow Member, **1** Associate member and **7** Life Members.

Thus, total registered members of SPE(I) Vadodara Chapter as on 24 Aug 2019 are 2336 out of which there are **558** Life Members.

It is my privilege to present before you that our Chapter has organized 8 Monthly Lectures, 3 Seminars (Rajkot, Godhra, Vallabh Vidyanagar, ADIT Vidyanagar and Parul University) during the last year. The details are given here below:

- On **30 Aug 2018**, **Chapter** organized a joint lecture programme with IE(I) Vadodara in the Vasvik Auditorium of IE(I), Vadodara. The topic was **INSTALLATION & OPERATION OF SOLAR ROOF TOP**. Lecture was delivered by **Er. YK Sharma**, Retd. SE, MGVC. Speaker talked about statutory requirement of State Government for Installation of Roof Top Solar Power Plant for Domestic consumer of Utility. He also informed the role of utility (MGVC), State Authority (GEDA), Electrical Inspector and Government. He explained the procedure to be followed by the consumer who is interested in Installation of Roof Top Solar Power Plant.
- On **7 Sep 2018**, **Chapter** organized **1-Day Seminar** on “**Maintenance of Electrical Equipment in Industries and Utilities**” at **Godhra**. About 200 delegates & invitees hailing from academic institutions, industries, utilities and consulting firms attended the seminar.

The inaugural function was presided over by **Shri N Taneja**, Chief Officer, **Dr. KB Panchal**, Red Cross Society, Godhra, Mr. Vishal Saxena, SDM, Godhra, **Er. RD Chandel**, SE, MGVC, Godhra, **Er. SM Takalkar**, Vice-Chairman, SPE (I) Vadodara, **Er. RS Shah**, Secretary, SPE (I), Vadodara.

The Sponsors, Co-Sponsors, Supporters, Guests and Well-Wishers of the Seminar were

felicitated by presenting Bouquet and Memento.

Technical sessions were conducted as briefed below:

- 1. Er. SM Takalkar**, MD, TPEC, Vadodara and Vice-Chairman, SPE(I), Vadodara Chapter.
Topic: Maintenance of Electrical Equipment in Substation.
 - 2. Er. GV Akre**, MD, Hivoltrans Electricals, Halol and Chairman SPE(I), Vadodara Chapter.
Topic: Instrument Transformers, Current and Potential Transformers.
 - 3. Er. PA Shah**, Associate Engineer, TPEC-Vadodara & Practicing Electrical Engineer.
Topic: “Electrical Safety during Maintenance”.
 - 4. Er. PA Shah**, Associate Engineer, TPEC-Vadodara.
Topic: Maintenance of Electric Motor, Compressor, Fluid-Water, Chemical etc. pump.
 - 5. Er. KG Gaikwad**, GM (Lines), TPEC, Vadodara.
Topic: Maintenance of Transmission Lines.
 - 6. Er. YK Sharma**, Retd. SE, MGVC.
Topic: Maintenance of Distribution Lines.
 - 7. Er. KD Kavaiya**, Associate Engineer, TPEC, Vadodara.
Topic: Maintenance of Equipment in Power Station.
- On **26 Oct 2018**, **Chapter** organized a joint lecture programme with IE(I) Vadodara in the Vasvik Auditorium of IE(I), Vadodara. The topic was “**ADVANCED NDT in REMEDIAL ENGINEERING including POWER PLANT STRUCTURES**”.

The presentation was made by an Engineer personality in the field of rehabilitation and retrofitting of Civil Structures namely **Er. Kaizad Engineer**, Director, Ushta Infinity Construction Pvt. Ltd. & Engineering Solutions INC. Vadodara. Next item of presentation was condition monitoring of

road bridge. The Most intestine part of the topic was Restoration of 500 Year old Udaipur Fort.

- **On 24 Nov 2018, Chapter** celebrated **Power Day** by organizing **Get-together & Cultural Programme (Musical Evening)** for members with spouse at Auditorium of Baroda High School, Alkapuri, Vadodara.

Shrirang Karkar & Party of Vadodara presented the cultural programme. Singers and Instrument Players (Musicians) of the group conducted musical evening for the entertainment of audience present. Er. RS Shah honored the head of group by offering Bouquet.

- **On 20-21 Dec 2018, CBI&P-New Delhi, CIGRE-India and SPE(I) organized 2-Day National Conference on Renewable Energy Technologies and its Integration with Grid** at Vadodara.

GUVNL and **GEDA** were Co-organizers, **GETCO** was Knowledge Partner and **ABB** Vadodara was Technology Partner of the Conference. The event was sponsored by **ABB, ERDA, SITAC** and **GEDA**. The Vadodara Chapter of Society of Power Engineers(I) worked actively for organizing the Conference. Vadodara Chapter of SPE(I) took leading part in the Conference.

During the inaugural session of the conference, the dignitaries on the dais were: Chief Guest of the Conference-**Shri Joshi**, IAS, MD, GUVNL; and Guest of Honors-**Er. BB Chauhan**, MD, GETCO; **Er. Pitamber Shivnani**, VP, ABB-Vadodara; **Shri Harish Mehta**, Suzlon and **Er. VK Kanjlia**, Secretary, CBIP-New Delhi. The proceeding of the National Conference was released by dignitaries on the Dais.

Er. Kanjlia spoke on "About Society of Power Engineers and CBIP", Er. PP Wahi, Director, CBIP-New Delhi spoke about the Conference. A speech on the occasion was delivered by Shri Joshi, IAS. He informed about the importance of Renewable Energy and gave the comparison of Power position between Gujarat and California. Shri Mehta of Suzlon explained about the role of RE in the present power scenario. He talked about the role of Power Electronics in RE. The vote of thanks

was presented by Er. GV Akre Chairman, SPE(I)-Vadodara Chapter.

About 24 papers were covered in the proceedings and 36 papers were presented during the Conference. More than 200 delegates attended the Conference.

The digital presentation was made by **Er. Keval Velani**, Executive Member, SPE (I)-Vadodara Chapter. Entire event was anchored by **Er. Mrugen Mehta**, Advisory Member, SPE (I)-Vadodara Chapter and **Ms. VenuBirappa**, EE-GETCO. The conference was a grand success due to the active involvement of Er. BB Chauhan, MD-GETCO, Er. BB Mehta, CE, SLDC-Gotri and all the concerned engineers of GETCO/SLDC.

- **On 21 Jan 2019, Chapter** organized a joint lecture programme with IE(I), Vadodara in the Vasvik Auditorium of IE(I), Vadodara. The topic was "**Solar Kisan Yojna**". Speaker was **Er. RB Patel**, SE, GUVNL-Gandhinagar. The speaker presented the details of new schemes introduced to make solar power generation in the agriculture field more practicable. Since the farmer will be able to sell surplus power to DISCOM, he will use only required quantity of water. This will help in reducing water consumption from the bores. He demonstrated with the help of facts and figures the advantages of the scheme including pay back, loan facilities and metering. He stated that the scheme is being implemented on trial basis on some feeders. After its success, it will be extended to entire state. After the initial trial, some changes are also possible in structure of scheme.
- **On 20 Feb 2019, Chapter** organized a joint lecture programme with IE(I), Vadodara in the Vasvik Auditorium of IE(I), Vadodara. The topic was "**Premature Failure of Transformers - Causes and Preventive Measures**". Speaker was **Shri P Ramachandran**, Technical Advisor, ABB – Vadodara. The speaker elaborated on large number of parameters which leads to the premature failure of transformer.
- **On 27 Feb 2019, Chapter** organized **1-Day Seminar on "Maintenance of Electrical & Mechanical Equipment in Industries and Utilities"** at Engineering Association Building, Bhakti Nagar Industrial Estate, Rajkot.

During the inaugural session, **ShriDevenDoshi**, Director, M/s Echjay Industries **Er. SS Patel**, Chief Engineer, GSECL, Sikka TPS, **Er. GV Akre**, Chairman-SPE(I) Vadodara, **Er. Jaimin Gandhi**, Chief Engineer, PGVCL-Rajkot, **Shri Hemant Madeka**, Director, M/s Rolex Rings, **Er. JT Baxi**, Life Member-SPE(I) Vadodara and local coordinator, Rajkot, **Er. SM Takalkar**, Vice-Chairman-SPE(I) Vadodara were on dais. 95 delegates from Industry, Academy, GETCO and GSECL attended the seminar. **M/s Rolex Rings** and **M/s Echjay Industries** were **Sponsors** of the event. **Co-sponsor** for the event was **M/s Jyoti CNC Automation** while **M/s Prashant Castings** and **M/s Radhe Group of Energy** were the **Supporters**. During Seminar 8 presentation were made conducted on different subjects. Er. JT Baxi, Retd. CE(Tr), GETCO and Life Member of SPE(I) had extended his full support to make the event successful. SPE(I) Vadodara Chapter extended gratitude to Er. Baxi for his valuable contribution.

- On **22 Mar 2019**, **Chapter** organized a joint lecture programme with IE(I) Vadodara in the Vasvik Auditorium of IE(I), Vadodara. The topic was “**Information Security aspects in Technology**” and “**Data Privacy in Digital Economy**”. Speaker was **Er. Advait S Lele**, Infosys Ltd.-Pune.

Information Security aspects in technology covers (i) what is information breach (ii) ways of information breach in today's digital world (iii) cost of information breach for organizations (iv) safeguards available. In essence, what is personal information, like name and other identifiers like Aadhar, PAN no etc. and sensitive corporate information for organizations like business data, trade secrets etc. and how it can be misused, and ways to protect in digital age. How information security plays critical role for service providers and customers.

- Between **14 to 17 Apr 2019**, **Chapter** organized **4-Day Hands On Training Program**. 4-Day program was conducted for Technical Industrial visits for Final Year Electrical Engineering Students and Faculty of Electrical Department of Parul Institute of Technology, Parul University, Waghodia, Vadodara.

Following Technical Industrial Visits were carried out.

Name of the Place @	Details of visit
220kV Jambuva Substation of GETCO	Outdoor equipment such as Power Transformers, CTs, PTs, Circuit Breakers, LAs, Isolators, Wave Traps, CCs, CVTs, Control room equipment such as Control Panels, Relay Panels, 220V Battery set & Battery Charger, etc.
Instrument Transformer Manufacturer	Step by step processes of instrument transformer manufacturing such as Core assembly, Laying of HT & LT windings, Tanking of core with windings, drying out and Testing, Halol
Solar Power Plant	Canal Bank&Canal Top Solar Power Plant with trekking system.
Small Hydro Power Plant	Small Hydro Power Plant on Narmada Canal
Big Hydro Power Station	Visit to Power Plant
Load Dispatch Centre.	Visit to Area Load Dispatch Centre Jambuva.
Super Thermal Power Station	Visit to Dhuvaran Thermal Power Plant
Distribution Subdivision	Identification of distribution and transmission materials its function and uses.

The following Experienced Faculties from SPE (I), Vadodara Chapter accompanied the technical visit.

Sr. No.	Name of Faculty	Place of Visit
1	Er. NM Lathia, Er. HD Joshi	Thermal Power Plant - Dhuvaran
2	Er. GP Shukla	Substation
3	Er. HA Hadwani	Load Dispatch Centre
4	Er. ND Makwana	Instrument Transformer
5	Er. PA Shah	Solar Power Plant & Hydro Power Plant
6	Er. HM Solanki	Subdivision
7	Er. JK Surti	Bio Gas

- On **25 Apr 2019**, the **Chapter** organized a joint lecture programme with IE(I), Vadodara in the Vasvik Auditorium of IE(I), Vadodara on the topic of “**Professional Ethics**”. The lecturer was **Er. Harit M Bhatt**, retired Material Manager, IPCL, Vadodara. The lecture broadly covered following:

The honesty should be purposeful otherwise it may not serve the purpose. The corruptions can be by stealing, gifting, acknowledgement or forcible. He went on to describe these forms. The basic principles of personal ethics are Gunas, Competence, Commitment, Credibility and Creativity. Corporate ethics include governance, transparency, shared values, managerial skills, appropriate performance.

- On **17 May 2019**, the **Chapter** organized a joint lecture programme with IE(I) Vadodara in the Vasvik Auditorium of IE(I), Vadodara **Dr. Mayur Punekar** on the topic of

“5-G Technology Evaluation and Expectation”. The lecture was organized on behalf of the Institution of Engineers (I) Vadodara Local Centre as a part of **World Telecom Day** celebration. Dr. Punekar, Asst. Professor at the Institute of Information Technology, Vadodara covered the following in his presentation.

The evolution of information technology and its road map from 1-G to 4-G.

He covered following in his lecture.

Now as the technology is marching towards 5-G, it is necessary to know the added features of this latest evolution. This evolution has brought in high quality video, live TV, IoT, M&M communication. The 5-G will help in cloud computation and W for a very wide range. The applications which were not thought of will now be available in 5-G.

- On **06 Jun 2019**, as a part of celebration of **World Environment Day** (5th June), a Lecture Programme was organized by The Institution of Engineers (I), Vadodara Local Centre at Vasvik Auditorium. SPE(I) Vadodara Chapter was invited to join the event. The talk was on **“Air Pollution, Climate Change & Urbanization”**. Welcome address was given by **Her Majesty Rajmata Shubhaginidevi**, Chairperson, SOCLEAN. A Keynote address was delivered by **Shri Kartikeya Sarabhai**, Director SOCLEAN. The celebration of World Environment Day started in 1972. Cleaning of the city and town is main aspect of Clean Environment. Every year there is different theme, this year it is Air Pollution. He informed that the Air Pollution cannot be reduced by Law, but self-awareness is the need of the hour. Reduce, Reuse and Recycle plastic materials is the main theme to reduction of plastic wastage. He gave the facts and figures of death of people due to air pollution. As per report, about 7.5 Billion People die every year in the world out of which 4.3 Billion People die due to in house air pollution.

- On **19th July 2019**, organized **1-Day Seminar on “Futuristic Technology in Electrical Power System”** at BVM Engineering College, Vallabh Vidyanagar, Anand.

During the inaugural session, **Shri Bhikhubhai B Patel**, Chairman,

CharutarVidya Mandal was invited as **Chief Guest** and **Shi Pradeep Gandhi**, General Manager, Elecon Engineering has chaired as **Guest of Honour**. **Shri Indrajit N Patel**, Principal & **Shri BR Parekh**, HoD, Electrical Deptt., BVM Engineering College, Vidyanagar, **Shri KS Patel**, SE, MGVC, Anand, **Shri KB Dhebar**, SE, MGVC, Nadiad and **Shri VG Paradkar**, SE(Tr.), GETCO, Nadiad were invited as **Guests**.

Total **174** delegates participated the Seminar out of which **130** were Student delegates from different Universities.

The detail of lectures during the seminar is as under:

Speaker	Topic
Er. GV Akre	Futuristic technology in up-coming power trends.
Er. Shivani(Ms) Sharma	Integrating distributed renewable and sharing India's first industrial micro-grid experience in Vadodara
Er. SM Takalkar	Inter disciplinary studies, job & business opportunities in power sector
Er. PA Shah	Energy Conservation in General.
Er. MU Swadia	Condition & Monitoring of Electrical Equipment.
Er. Vrajesh Desai	Role of Instrument Transformers in Power System and condition monitoring during service.
Er. Nihar Raj	Evolution of skill and managing competency for up-coming power scenario.
Er. YK Sharma	T&D and AT&C Losses in Distribution network.
Er. (Prof.) Ritesh Patel & Er. (Prof.) Chintan Patel	Analysis of ageing of silicon rubber insulator used in overhead transmission lines.

Digitization & Branding of Society of Power Engineers (I), Vadodara Chapter.

SPE(I) Vadodara Chapter provided a digital platform to members, industrial personnel and institutional personnel with **New Mobile Number 9328658594**. Social Media Networking like LinkedIn Account, Facebook Page, WhatsApp Group etc. is prepared and maintained by **Er. Keval Velani, EC Member, SPE (I) Vadodara Chapter**. The main objective of digitization is to provide platform to all members who can remain in touch with SPE(I) Vadodara for their technical query. The compliance of query is done by concern technical person of SPE(I) Vadodara.

The staff, the Executive Committee Members and Advisory Committee Members have been very co-operative and have rendered good support for organizing various events. I must indicate that we have received valuable support from Institution of Engineers (I), Vadodara Local Centre in organizing the events and providing various services during the year.

The publication committee has done very well to

publish quarterly issues of the News Bulletin of the Chapter. Thanks to **Er. GV Akre, Er. SM Takalkar, Er. AK Singh** and **Er. Keval Velani**. Special Thanks to Er. NV Rede for his painstaking efforts to organize editing and printing of the News Letter. Thanks are also to the Engineers who have contributed articles for the publication during the year. It is also a matter of pleasure that in each Seminar conducted during the year, there was reasonable surplus of corpus due to the dedicated efforts of event committee members which has strengthened financial position of the Chapter. I am also thankful to CBIP, New Delhi for granting Rs. 40,000.0 to the Chapter.

I would like to put on record my personal appreciation for the support and co-operation given to me by the fellow office bearers and committee members Er. GV Akre, Er. SM Takalkar, Er. SM Godkhindi, Er. GP Shukla, Er. NG Yadav and all EC & AC members who have directly and indirectly supported me for smooth functioning of the Chapter.

With rising cost of commodities and other items, the Chapter needs funds all the time. An appeal is, therefore, made to all the readers, patrons and well-wishers to donate generously to the Vadodara Chapter of SPE (I) as we are going to celebrate our Silver Jubilee event during 2021-22.

Sad Demise of Our Members:

During the year, our SPE (I) Vadodara Chapter lost members who departed from us. They are **Er. RJ Saparia, Er. NP Fulzele, Er. KR Kumble, Er. RS Gandhi** and **Er. (Prof.) Smita A Kanitkar**.

We pray the Almighty for SADGATI to the departed souls. OM SHANTI.

With this information, I hereby conclude my report.

Best wishes to all members.

RS Shah
Secretary

AUDITOR'S REPORT

NIRAJ MAJMUNDAR & ASSOCIATES
CHARTERED ACCOUNTANTS

127, First Floor, Panorama Complex, Race Course, Vadodara-390 007
Phone: +91 265 2331036, e-mail: nipramaj@rediffmail.com

We have audited attached Balance Sheet of **THE SOCIETY OF POWER ENGINEERS (INDIA), VADODARA CHAPTER** as at 31 Mar 2019 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 a 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. **100,693** towards Head Office, New Delhi against the opening outstanding liability of Rs. **101,862**, 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 2019 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 Manjundar & Associates
Chartered Accountants

S/d-

(Niraj Majmundar)

M. No. 041120

Place: Vadodara Date: **Jul 27, 2019**

The Society of Power Engineers (India) Vadodara Chapter

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

Income & Expenditure Statement

1 Apr 2018 to 31 Mar 2019

Particulars	1 Apr 2018 to 31 Mar 2019	Assets	1 Apr 2018 to 31 Mar 2019
Direct Expenses	7,71,456.81	Direct Incomes	8,91,895.95
Workshop Expense	67,481.99	Workshop Receipts	4,70,500.00
Accounting Charges	17,700.00	Annual subscription	2,100.00
AGM Expenses	35,893.80	Donation	45,000.00
Auditorium Rent	2250.00	Interest on FD	98,889.00
Bank Charges & Commission	212.40	Interest on MGVCCL Advance	112.95
Bonus to Employee	4,000.00	Interest on Savings A/c	8,302.00
Computer Expense	2,600.00	Life Membership Fee-Institutional	26,167.00
Conveyance Expense	1,675.00	Life Membership Fees	18,825.00
Cultural Programme Expense	67,400.00	Local Charges	11,750.00
Depreciation	22,023.00	Other Income	3,800.00
Electricity Charges	5,150.72	Sale of books	850.00
Lecture Expense	1,13,515.00	Sale of Pasti	1,500.00
Meeting & Seminar Expenses	2,67,663.00	Seminar Fee	2,04,400.00
Municipal Taxes	12,415.00		
Office expense	17,381.20		
Postage & Telegraph	6,056.00		
Printing & Stationary expense	37,462.00		
Preofessional Tax	2,000.00		
Salary expense	41,810.00		
Telephone expense	11,757.00		
Travelling Expense	19,345.70		
Website Charges	12,685.00		
Excess of Income over Expenditure	1,20,439.14		
Total	8,91,895.95	Total	8,91,895.95

Sd/-
GV Akre
Chairman

Sd/-
SM Takalkar
Vice-Chairman

Sd/-
RS Shah
Secretary

Sd/-
SM Godkhindi
Treasurer

As per our report attached
For Niraj Majmundar & Associates, Chartered Accountants

Sd/-
Niraj Majmundar, Proprietor

The Society of Power Engineers (India) Vadodara Chapter

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

Balance Sheet

1 Apr 2018 to 31 Mar 2019

Liabilities	As at 31 Mar 2019	Assets	As at 31 Mar 2019
Capital Account	21,10,410.52	Fixed Assets	1,91,824.00
General Fund	<u>21,10,410.52</u>	Computer	1,174.00
Loans (Liability)		Office equipment	2,276.00
		Office furniture	30,131.00
Current Liabilities	1,18,393.00	Office Premises-Avishkar Complex	1,54,120.00
Sundry Creditors	<u>1,18,393.00</u>	Printer & Scanner	2,808.00
		Refrigerator	<u>1,315.00</u>
Excess of Income over Expenditure	1,20,439.14	Investments	20,03,384.00
Opening Balance	90,250.97	FD-BoI No. 000359	2,00,000.00
Current Period	1,20,439.14	FD-BoI No. 016222	1,00,000.00
Less: Transferred	<u>90,250.97</u>	FD with Bank of India FD No. 1	1,00,000.00
		FD with Bank of India FD No. 2	1,00,000.00
		FD with Bank of India FD No. 3	1,00,000.00
		FD with Bank of India FD No. 4	1,00,000.00
		FD with BoI No. 250145110015744	3,03,384.00
		FD with BoI No. 250153710000564	1,00,000.00
		FD with PNB No. 000015	3,00,000.00
		FD with PNB No. 000024	1,00,000.00
		FD with PNB No. 000489	<u>5,00,000.00</u>
		Current Assets	1,54,034.66
		Deposits(Asset)	13,940.00
		Loans & Advances(Asset)	4,177.87
		Cash-in-hand	6,724.00
		Bank Accounts	1,06,741.79
		TDS by Client	<u>22,451.00</u>
Total	23,49,242.66	Total	23,49,242.66

Sd/-
GV Akre
Chairman

Sd/-
SM Takalkar
Vice-Chairman

Sd/-
RS Shah
Secretary

Sd/-
SM Godkhindi
Treasurer

As per our report attached
For Niraj Majmundar & Associates
Chartered Accountants

Sd/-
Niraj Majmundar
Proprietor

MEMBERS ELIGIBLE FOR FELICITATION DURING AGM OF 2019

Every year, SPE(I)-Vadodara Chapter honours Senior Members (LM/LF) who attain 65 years during the year. The list of members, who completed 65 years between Sep-2018 and Aug-2019 is shown below:

Sr No.	Full Name	Address	GR No & Grade	Date of Birth YYYY-MM-DD	Mobile No. & Mail ID
Members having Birth-Dates from Sep-1953 to Dec-1953					
1	Shah Rashmikant C USA	77, Ajitnagar, Near Urmi Char Rasta, Productivity Road, Vadodara	LM-1671	1953-09-13	99252 08872 Rashmishah13@ yahoo.com
2	Raval Bhaskar N	A-38, Tagore Nagar, Old Padra Road, Vadodara- 390 007	LM-0331	1953-09-16	98792 00618 soham.technologie s@yahoo.in
3	Patel Dhirubhai B	66, Ranchhodnagar Row House, Near Akar Club, Sarthana Naka- Nana Varachha, Surat-395 006	LM-2165	1953-09-16	99252 34298 dbpatelk604@ gmail.com
4	Trivedi Vinodray I	B-12, Oasis Flats, Sama-Savli Road, Vadodara-390 0024	LF-1643	1953-09-28	99783 38583 vinodraytrivedi@ gmail.com
5	Moorthy Narayan N	C/31, Laxminarayan Society, Behind Jai Jalaram Nagar, Gotri, Vadodara-390 021	LM-0688	1953-10-15	99252 12820 murthybaroda@ yahoo.co.in
6	Patel Rameshchandra V	101C, Vishranti Green, Gotri Road, Gotri, Vadodara-390 021	LM-1919	1953-12-03	9879202462 urmesh312@ Yahoo.co.in
7	Naik Rohit D	46, Laxmi Narayan Society, Behind Mother School, Gotri Road Vadodara-390 021	LM-0500	1953-12-04	99250 08064 rdnaik_3@ hotmail.com
8	Shroff Kirankumar A	12B, Krishnadham Society, Near Raneshvar Mahadev, Vasana Road, Vadodara-390 015	LM-1921	1953-12-21	99252 10579 kiran.shroff12@ gmail.com
Members having Birth-Dates from Jan-1954 to Aug-1954					
9	Yadav Narayanrao G	9, Sarvanand Park, Near 208-Paragraj Society, Varasia-Kishanwadi Road, Vadodara-390 006	LM-0451	1954-01-02	99252 08060 ajit.yadav2154@ gmail.com
10	Valera Rajnikant C	142, Narayan Garden, 30M VUDA Road, Opp: Yash Complex, Gotri Road, Vadodara-390 021	LM-1923	1954-02-23	99252 10766 rcv232@ gmail.com
11	Kamble Sharad M	A-10, Neetipark, Near Gopinath Nagar, Vasna Road, Vadodara-390 007	LM-2252	1954-02-24	99252 12747 sharad2402@ yahoo.com
12	Kanetkar Vilas (Dr) R	GIRNAR - 16/204, Apna Ghar Unit No. 4 CHSL, Shri Swami Samartha Nagar, Andheri (W), Mumbai 400053	LF-0273	1954-03-07	96540 72285 vr_kn071124@ yahoo.co.in
13	Shah Harshad R	77, Ajitnagar, Near Urmi Char Rasta, Productivity Road, Vadodara	LM-1635	1954-03-15	99252 08045 harshad150354@ gmail.com

14	Mistry Ashokkumar T	B-7, Gangotri Duplex, Opp: Yash Complex, Gotri Road, Vadodara-390 021	LM-2024	1954-04-05	9978916993
15	Zala Devendrasinh S	AA-102, Darshanam Paradise, Behind Narayan Garden, Opp: Yash Complex, Gotri Road, Vadodara-390 021	LM-2023	1954-04-30	94288 11743 sun_zala@ yahoo.com
16	Desai Vrajesh J	52/B, Udyognagar Society, Behind Ayurvedic College, Waghodia Road, Vadodara-390 019	LM-0293	1954-05-16	97243 34146 vdesai@lustreengi neering.com
17	Rakholia Babubhai K	21B, Gangotri Flats & Duplex, Near Vuda Quarters, Opp: Yash Complex, Gotri Road, Vadodara-390 021	LM-0676	1954-06-01	99252 08025 zssb_2010@ Hotmail.com
18	Shah Dineshkumar J	3/A, Samir Park, H.T. Road, Behind Forum Company, Subhanpura, Vadodara-390023	LM-1459	1954-06-25	98800 25054 dineshshah_25@ yahoo.co.in
19	Sharma KB Ananth Krishna	B-4, Industrial Housing Society, New Sama Road, Vadodara-390 008	LM-0113	1954-06-28	NO CONTACT
20	VasudevUsha	No Contact	LM-0658	1954-07-15	NO CONTACT

Members who could not be Felicitated in previous AGM of 2017 & 2018

1	Shukla Harshdrai M	11, Shri Urmi Colony, Subhanpura, Vadodara-390 023	LM-0245	1951-10-27	9925040788 prosperhms@ gmail.com
2	Baristar Kunvar	109, Rukshmani Nagar Society, New Sama Road, Vadodara-390 009.	LM-0477	1951-12-02	9879686947 allkunwar@gmail. com
3	Shah Dilip S	508, Woodland Apartment, Opp.GUVNL HO, Race Course, Vadodara - 390 007	LM-0079	1952-02-10	9825244253 spaceage001@ gmail.com
4	Makadiya Narendra C	403, Radheshyam, 51/4, Arunoday Society, Alkapuri, Vadodara-390 005	LM-1668	1952-03-30	9925255550 n.makadiya@ yahoo.com
5	Revar Rajendra J	C-19 Nand Society, Old Padra Road, Vadodara	LM-2003	1952-11-16	8181449988 rjrevar52@ gmail.com
6	Thacker Ramesh J	28, Nirmalsinh Ni Wadi, Bhuj- Mundra Road, Near Bhanushali Nagar, Bhuj-370 001	LM-1564	1952-12-12	9825603184 rjt.getco@ yahoo.com
7	Tamhane Jayprakash D	17, Sanket Park, Opp: Iscon Temple, Makrand Desai Road, Vadodara-390 021	LM-1748	1952-12-20	9879202495 jdtamhane@ yahoo.com
8	Roy Ashish RS	203, Tower 'R' ShivabhiLuxuria, Opp. JiJimata mandir Near ABB Compound, Makarpura Road. Vadodara-390 013	LM-0752	1953-01-11	9825436657 ashishs_roy@ yahoo.co.in
9	Patel Ajay T	Parth Electricals, Panchratna Apartment, Subhanpura, Vadodara-390 023	LF-0426	1953-03-15	USA-848-565-8007 Ajay53@gmail.com

10	Suthar Natvarbhai H	18, Pragati Society, Opp: Vakharia High School, Kalol(NG), Dist: Gandhinagar	LM-1457	1953-04-21	9825603177 natvars50@ gmail.com
11	Joshi Deepak P	16/A, Maruti Dham Society, Behind Jai Jalaram Nagar, Sainath Road, Vadodara-390 021	LF-0290	1953-06-04	9373289420 dpj4653@ gmail.com
12	Dave Bharatkumar V	D/308, Ashwamegh-I, Near RC Patel Estate, Akota, Vadodara	LM-2090	1953-06-27	9998982703 bdavebaroda@ gmail.com

All members are requested to verify the details of their membership grade, address & contact data in above list. They are also requested to give their confirmation of remaining present during AGM to be held on 25th August, 2019.

The confirmation shall reach to SPE Office or Er. D C MEHTA through mail or in person.

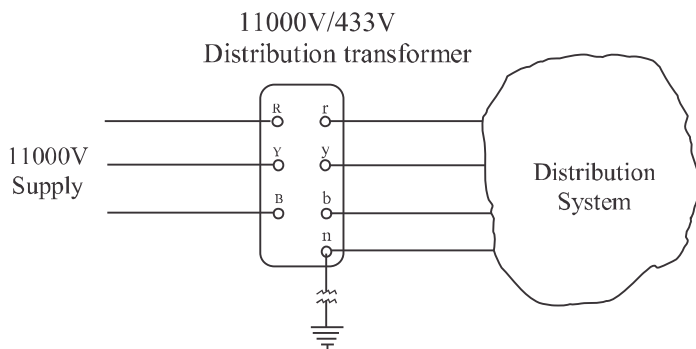
Mail Ids - spevadodara01@rediffmail.com, dcmu@rediffmail.com

Contact Nos.: 0265 – 2322355, M-9328658594(M) 9979881384

Note: If any member is left out, please bring to the notice of the office bearers for incorporating his/her name.

SOLUTION OF QUIZ

Case 1. Condition when neutral break as in figure between transformer and grounding.



When transformer neutral connection to ground is open, it is the condition known as Ungrounded Neutral. As transformer neutral has no physical connection with the ground, so phase to ground voltage is unpredictable and supposed to be unequal and higher as in Fig-1. But it is not so because of virtual linkage to tank which is earthed. Capacitance between winding and tank, leakage flux and leakage current provide virtual connection to earth via tank. Therefore, earth node remains within the vector triangle as in Fig-2. However, it may not be exactly at centre of the triangle as linkage of each phase is not identical. So phase to ground voltage may be unequal but not more than line voltage. However, there may not be any adverse effect to consumers except that ground fault protection may not be effective but 1-phase as well 3-phase consumers on distribution system continue to operate as usual with normal voltage between phase and neutral.

Unequal voltage with respect to ground is a concern with insulation system. Occasionally insulator failure is observed on HT line when neutral grounding was defective. Differential voltage may also appear between neutral and ground.

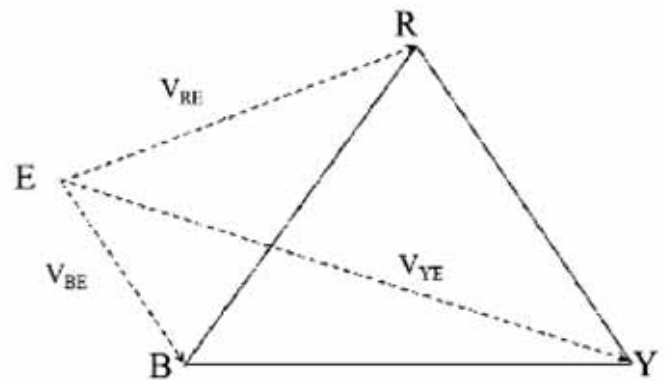


Fig-1

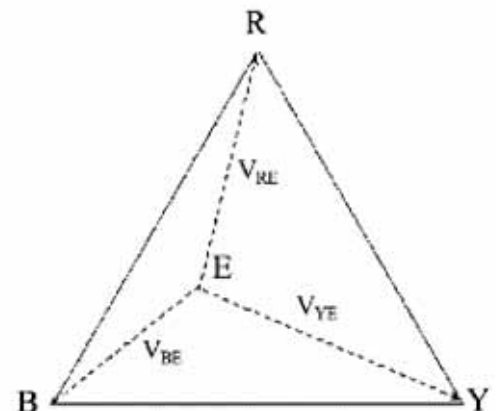
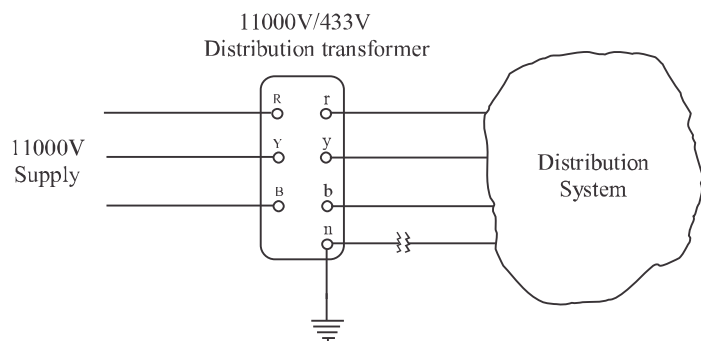


Fig-2

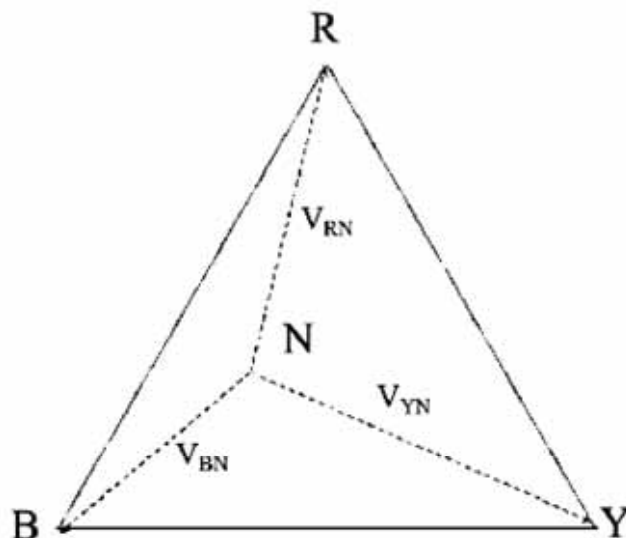
Case 2. Condition when neutral break as in figure between transformer and distribution system.



When transformer neutral connection to distribution side is open, it is the condition known as Floating Neutral.

Normally, system neutral point remains at the centre of the vector triangle. Each phase voltage is equal to line voltage divided by $\sqrt{3}$. But it may or may not be equal when neutral is isolated. It depends on phase wise loading condition. All phase voltage may be normal when load on each phase is same i.e. balanced. But it may be more or less than phase value when load on phases are unequal. This appears similar to unequal voltage as above in case of ungrounded neutral. But in that case the unequal phase voltage is with respect to ground whereas in this case unequal phase voltage is with respect to neutral and consumers' 1-phase loads are connected on this. Under such unbalanced condition 1-phase consumers on one of the phases may have low voltage and face associated problems like reduced lamp brightness, starting trouble of tube light, high current and heating of motors of water

pump, fridge, air conditioner etc. Whereas 1-phase consumers on other phases have high voltage and face associated problem like fusing of lamp, damage to electronic circuit etc. This effect of unequal phase voltage may not be severe where load is almost balanced as in industrial zone where most of the load is 3-phase. But it is severe in residential and commercial zone where most of the load is 1-phase. Here load may not be balanced all the times and hence unequal phase voltage is severe under floating neutral condition.



Er. NDMakwana
Active Life Member, SPE(I)

NEWS

GUVNL's all four DISCOMs - UGVCL, DGVCL, MGVCL and PGVCL have been Ranked A+ by the Ministry of Power under Sixth Annual Integrated Rating unveiled by Union Minister of State (Independent Charge) Power and New & Renewable Energy - Shri RK Singh at Conference of Power and New & Renewable Energy Ministers of State & Union Territories held at Shimla on July 3, 2018. This year 41 utilities from across India were rated among which Gujarat

Government's UGVCL, DGVCL, MGVCL and PGVCL have been rated in "A+" category for its robust and very high operational and financial performance capabilities. Apart from GUVNL's power distribution companies, only Uttarakhand Power Corporation Ltd. features in top five with "A+" rank. The rating exercise was carried out by two independent agencies - ICRA and CARE Ratings, as per the framework approved by Ministry of Power.

SAFETY TIPS

- Near the point of supply safety equipment like earth leakage/overload & short circuit protection circuit breakers/switches must be installed.
- At your premises proper earthing must be provided.
- When not required, switch off the electric supply.
- Use proper capacity fuse wire MCB for main switches.
- For proper voltage, install adequate capacitors for inductive loads.
- Always use ISI marked electrical equipment.
- Engage licensed electrical contractors for wiring cables of ISI mark and proper capacity must be used for installation.
- Provide waterproof enclosures to meters and metering equipment to ensure their safety.
- Prefer only licensed electrical contractors for rectification of faults and retrofitting.
- Concerned authority of Utility must be contacted for difficulties related to electric supply.
- Energy meter provided by the Utility, if found faulty; should be brought to the notice of Utility authorities immediately. No attempt should be made to repair it.
- At the time of effecting supply for testing the installation and signing the report, ensure that the licensed electrical wiring contractor or his authorized representative is present in the premises and test report is issued after due testing.
- For easy accessibility to the assessor for taking meter reading, the space for fixing the meter must be provided on the ground floor.
- The space for fixing the meter, must be a cutout provided in the ground floor irrespective of the number of the floors.
- Ensure that there is adequate capacity of wiring and protection equipment while additional loads like lights, fans, water-heaters, refrigerators, air-conditioners are connected. If this is not done, there are chances of fire

endangering your premises and that of others.

- Electricity service connection must not be utilized for non-specified purpose.
- Utility's meter and other equipment must be safeguarded in the premises.
- As per the Indian Electricity Rules 1956 (Section 79 & 80), construction of buildings must be with proper clearance from existing High Tension/Low Tension lines.
- The applicant would have to bear the way-leave cost for running the lines, if the building does not have adequate frontage and the line has to go through or over the adjoining premises of other owners.
- To avoid electrical accidents, observe safety precautions
- Faulty electrical fittings and appliances must be replaced promptly.
- Electricity consumption bills and additional security deposit must be paid promptly at authorized cash counters.
- The Utility should have security deposit equivalent to 3 months. If a notice is issued for additional security deposit it must be paid within the due date to avoid disconnection of electricity supply.
- A replacement for a healthy meter can be sought for, by bringing it to the notice of the Section Officer in writing if the meter is found to be defective and not in running condition.
- To avoid leakage of electricity the internal wiring has to be checked periodically and also to safeguard the lives of the inmates in the premises.

Let Electricity Work for you and not against you.

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