



News Bulletin

The Institution of Engineers (India)

Meerut Local Centre

A-12 Surya Nagar, 1st Floor behind LIC, Saket Meerut 250001

"101 Years of Relentless Journey Towards Engineering Advancement for nation Building"

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Notice for 13th AGM of The Institution of Engineers (India) Meerut Local Centre

In Pursuance of Regulation-6 of the "Bye Laws & Regulation of Council" it is hereby notified that 13th AGM of The Institution of Engineers (India), Meerut Local Centre will be held as per following programme:

Venue : A-12 Surya Nagar 1st Floor, Behind LIC, Meerut

Date : 27-10-2024(Sunday)

Time: 11:00am- Registration & Fellowship

: 11:10am – Business Session (for Corporate Members)

: To confirm minutes of meeting of 12th AGM

:To deliberate on annual activity report of FY 2023-24

:Presentation of Audited Report of FY 2023-24

:To appoint Auditor for FY 2024-25 and fix remuneration

: Felicitations of Platinum members.

Felicitations of Platinum Members:-

Members born in Calendar year 1949 or earlier excluding those honoured in 2nd to 12th AGM will be felicitated during 13th AGM. Eligible members who propose to participate in 13th AGM are requested kindly to inform their Name, Corporate Membership No., Branch of Engineering and optionally a brief write-up about themselves latest by 20-10-2024 at E-mail ID of this Local Centre- meerutlc@ieindia.org and Mobile No. 9412176009 or 8218649166 so that their particulars may be got inscribed on the Memento to be presented at the time of felicitation.

After activity of AGM, there will be a Quiz on general knowledge, engineering, maths etc, followed by high tea.

Minutes of 12th AGM held on 29-10-2024

Venue: A-12 Surya Nagar, 1st floor, Behind LIC Saket, Meerut-250001

Statutory Compliance of Notice:-

The notice for AGM was sent by E-mail to all corporate members of Meerut Local Centre on 06-10-2023. Thereafter the News Bulletin issue 3, vol. 11 of the centre containing the above notice was sent by E-mail to all members on 14-10-2023. The hard copies of the news bulletin were distributed to all members during the AGM on 29-10-2023.

The AGM started with the welcome of Corporate Members by the Chairman. In all, 21 corporate members attended the AGM.

1. The Hony. Secretary read out the minutes of 11th AGM held on 30-10-2022. The house unanimously approved the minutes of meeting.
2. The Hony. Secretary explained the activities carried out during FY 2022-23. The members appreciated the statutory as well as many more activities organized during the year despite financial constraints.
3. The Hony. Secretary presented audited report of FY 2022-23. The members unanimously approved the report. .
4. The Hon- Secretary read out the offer of K Kant & Co. Chartered Accountants, 01, Garden House, Garh Road Meerut-250004 for auditing the accounts of Meerut Local Centre @Rs.9,000/- for FY 2023-24. The house found the above offer as reasonable and approved the same.
5. The following Corporate Members on attaining the age of 75 years were felicitated as Platinum Members:

(i) Er. Virendra Kumar Goel	M-103845/6
(ii) Er. Subhash Chandra Singhal	F-1133065
(iii) Er. Ravindra Swarup Gupta	F-017035-2
(iv) Er. Mohan Lal Agarwal	F-1180181
(v) Er. Ram Niwas	F-1112607
(v) Er. Shanker Lal Gupta	F-1231916
6. All elected members of Local Centre Committee for FY 2023-24 & 2024-25 were honoured with bouquets by outgoing Chairman.
7. The outgoing Chairman was honoured by Chairman (elect) & Hony. Secretary (elect) for excellent discharge of responsibility.

In the end, Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

Er. M.L. Jain
Chairman

Er. R.P. Agrawal
Hon. Secretary

Auditor's Report:-

1. Report on the Financial Statements-

Opinion:-

We have audited the accompanying financial statements of The Institution of Engineers (India), Meerut ("the Institution"), which comprises the Balance Sheet as at March 31st ,2024, signed by us under reference to this report and the related Income and Expenditure Account and then Cash Flow Statement for the Year then ended and notes to the financial statements, including a summary of the significant accounting policies and other explanatory information (hereinafter referred to as „ financial statements") [in which have been incorporated the returns /account received from the Local Centre, Meerut of the institution for the year ended 31st March, 2024 as audited by other auditors and which have been relied upon by us].

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements of the Institution give the information in accordance with the generally accepted accounting principles and the applicable Accounting Standards issued by the Institute of Chartered Accountants of India and read with the Other Matters paragraph below, give a true and fair view of the state of affairs of the Institution as at March 31, 2024 its surplus/ (deficit) and its cash flows for the year ended on that date.

2. Basis for Opinion:-

We conducted our audit of the financial statements in accordance with the Standards on Auditing (SA) issued by the Institute of Chartered Accountants of India. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Institution in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India (ICAI) together with the independence requirements that are relevant to our audit of the financial statements and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ICAI's Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

3. Management's Responsibility for the Financial Statements:-

Management is responsible for the preparation of these financial statements that give a true and fair view of the state of affairs and result of operation of the Institution in accordance with the accounting principles generally accepted in India, including the applicable Accounting Standards. This responsibility also includes maintenance of adequate accounting records for safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities, selection and application of appropriate accounting policies, making judgment and estimates that are reasonable and prudent and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Institution's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern and using the going concern basis of accounting unless management either intends to liquidate the Institution or to cease operations, or has no realistic alternative but to do so.

The management of the Institution is responsible for overseeing the Institution's financial reporting process.

4. Auditor's Responsibility:-

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to

those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting an material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

Obtain an understanding of internal financial controls relevant to the audit in order to design audit procedures that are appropriate in the circumstances.

Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Institution's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's reports to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Institution to cease to continue as a going concern.

Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Obtain sufficient appropriate audit evidence regarding the financial information of the Institution to express an opinion on the financial statements. We are responsible for the direction, supervision and performance of the audit of the financial statements of the Institution of which we fare the independent auditors. For the financial statements of the branches incorporated in these financial statements which has been audited by other auditors, such other auditors remain responsible for the direction, supervision and performance of the audit carried out by them. We remain solely responsible for our audit opinion.

Materiality is the magnitude of misstatements in the financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the financial statements may be influenced. We consider quantitative materiality and qualitative factors in planning the scope of our audit work and in evaluating the result of our work and

(ii) to evaluate the effect of any identified misstatements in the financial statement. We communicate with those charged with governance regarding, among other matters the planned scope and timing of the audit and significant audit findings,

including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

5. Report on Other Legal and Regulatory Requirements:-

This report does not contain a statement on the matters specified by the Companies Auditor's Report Order 2020 ("the Order") issued by the Central Government India in terms of sub section (11) of the section 143 of the Companies Act 2013 as the said Order is not applicable to the Institution .

6. We further Report that:-

i.) We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit.

ii.) In our opinion proper looks of accounts as required by law have been kept by the Institution so far as appears from our examination of those books.

iii) The Balance Sheet, the Statement of Income and Expenditure and the Cash Flow Statement dealt with in this Report are in agreement with the books of account.

iv) We further report that according to the information and explanation given to us:

1. The Institution has disclosed the impact of pending litigations on its financial position in its financial statements.
2. The Institution did not have any long-term contracts including derivative contracts for which there may be any material foreseeable losses.

For and on behalf of
M/s K KANT & CO.
Firm Registration No. 006758C
Krishna Kant Gupta
Membership No. 075561
Date: 18-05-2024
Place: Meerut

Balance Sheet as on 31st March -2024

LIABILITIES	Schedules	31stMarch2023 Rs.	31stMarch2024 Rs.	ASSETS	Schedules	31stMarch 2023	31stMarch2024 Rs.
Reserve & Surplus	7	537768.35	56595.63	Fixed Assets	1	140326.03	140326.03
				<u>Investments- Long Term</u>			
				Fixed Deposits with Banks			
Capital Reserve	8			<u>Current Assets</u>	3		
				Stock			
				Sundry Receivables	4		
Earmarked Funds	9			Cash & Cash Balance and short term Fixed Deposits with Banks	5	400897.32	437769.60
				Other Advances	6	500	500
Current Liabilities & Provisions	10	9000	9000	Interest Outstanding & Accrued	2	5045	
Total		546768.35	65595.63	Total		546768.35	578595.63

Income and Expenditure Account for the Year ended on 31st March 2024

	Income	2022-23 Rs.	2023-24 Rs.	Expenditure	2022-23 Rs.	2023-24 Rs.
1	Grant Received From Head Quarter			Salaries and Allowances, etc to temporary Staff	297521.00	264843.33
	(i)For Manpower Grant	265083	274036	Expenses for Seminars and Symposia	33166.00	
	(i)For Annual Recurring Grant	2,22498	226736	Annual General Meeting Expenses	6882	11036.40
	For Incentives	5269	5446	Special Meeting Expenses	0	1100
	For Miscellaneous Grants From HQ.		0	General Meeting Expenses	0	0
	For Reimbursement of TA/DA		17102	Council Meeting Expenses	0	0
	For Technician/ students charter			Committee Meeting Expenses	10232.00	8576.00
2	Interest From Investment and Bank Fixed Deposit	14325.85	12111.21	Data Processing Expenses	0	0
3	Interest From Saving Bank	1498	722	Printing and Stationery	14783.00	2914.00
				Postage and Courier	12258.00	9385.00
				Telephone and Telex Expenses	11725.00	11431.00
				Electricity Charges	11789.00	8578.00
				Bank Charges	5.30	0
				General Charges	11634.00	16965.00
				Insurance Charges	0	0
				Rent, Rates and Taxes	139500.00	115200.00
				Refreshment Expenses	1142.00	1985.00
				Statutory Audit Fees	9000.00	0
				Other Auditors Fees	0	0
				Statutory Day Expenses	0	23210.00
				Repairs and Maintenance	9765.00	0

				on Buildings		
				Repairs and Maintenance on Others	1820	12000.00
				Travelling and Conveyance	21211.00	0
				TA/DA to Committee Members	0	17102.00
				Upkeep of Office and Guest House	0	0
				Fixed assets written off	687.74	0
	Grand Total	5,08,673.85	5,36153.21		593121.04	504325.73

Schedule of Fixed Assets Annexed to and forming part of Balance Sheet as at 31st March 2024

	ASSETS	Cost at 1st April, 2023	Additions	Sales/Disposal Of adjustment	Cost as at 31st march 2024
1	Computer System				
	Laptop	250.88			250.88
	Printer	122.88			122.88
2	Furniture & Equipment etc.				
	Furniture	72173.36			72173.36
	Aqua Guard	10727.59			10727.59
	Motor	2671.64			2671.64
	Fans	2750.97			2750.97
	Inverter	5457.58			5457.58
	Refrigerator	7685.59			7685.59
	Cooler	8924.00			8924.00
3	Electric Installation				
	CCTV	21192.03			21192.03
4	Books	8369.51			8369.51
	Total	140326.03			140326.03

Schedule of cash & bank Balance and short term Fixed Deposits with Bank annexed to and forming part of Balance Sheet as at 31st March, 2024

31 st March, 2023 Amount	Particulars		31 st March, 2024 Amount
902.00	Cash in Hand	2646.00	
51995.32	53995.32	Cash at Bank	56930.60
	348000.00	Nil FD with Bank	378193.00
	400897.32	Total	437769.60

Date: 18-05-2024

Place: Meerut

Sd/- Krishna Kant Gupta

For M/s K Kant & Co. Chartered Accountants

Reg. No. 006758C

Sd/- Er. S.C. Mittal

Hony. Secretary

Sd/- Er. R.P. Agrawal

Chairman

Annual Activity Report (2023-24) :-

(A) Statutory Days: All the nine statutory days were celebrated. The details are:

1. World Telecommunication Day was celebrated at seminar hall of BSNL on 17-05-2023.
2. World Environment Day on the webinar (on google meet) on 05-06-2023.
3. Royal Charter Day on the webinar (on google meet) on 09-09-2023.
4. Engineers' Day at SCRIET Meerut on 16-09-2023.
5. World Habitat Day on the webinar (on google meet) on 03-10-2023.
6. World Standards Day on the webinar (on google meet) on 15-10-2023.
7. Energy Conservation Day at Ram Sahay Inter College, Meerut on 14-12-2023.
8. World Engineering Day for Sustainable Development on the webinar (on google meet) on 04-03-2024.
9. World Water Day on the webinar (on google meet) on 22-03-2024.

The detailed report of these nine events has already been circulated through News Bulletin of the Local Centre.

(B) Statutory Activities:

Royal Charter Day Date: 09-09-2024

On the occasion of Royal Charter Day, a webinar was organized on Sept. 9, 2024, under the chairmanship of Er. R.P. Agrawal, Chairman of LC Meerut, The Institution of Engineers (India). The event began with a welcome address from the convener, Er. Nikhil Kishore, Joint Secretary of LC Meerut, who greeted the members and acknowledged the significance of Royal Charter Day. He provided a brief introduction, noting that The Institution of Engineers (India) (IEI) commemorates Royal Charter Day annually on 9th September to honour the day in 1935 when the institution was incorporated by Royal Charter by King George V at the court of Birmingham Palace, London. IEI remains the only professional body in India to have received this prestigious honour.

Er. Nikhil explained the significance of a Royal Charter, describing it as a formal document issued by a monarch, granting rights and powers to an organization. The Royal Charter defines an organization's objectives, constitution, and powers to manage its own affairs. He highlighted that IEI, established in 1920, is the largest multidisciplinary professional organization for engineers in India. The Royal Charter grants IEI's corporate members the right to use the title "Chartered Engineer," signifying their professional qualifications and recognition. He also mentioned that IEI is recognized as a Scientific and Industrial Research Organization by the Ministry of Science & Technology.

Following this introduction, Er. R.P. Agrawal delivered his welcome address, acknowledging all attendees. The convener, Er. Nikhil Kishore, expressed his gratitude to Er. Agrawal and then introduced Er. Rajneesh Kumar, Former Chairman, to present on the historical background and the process of obtaining the Royal Charter. Er. Rajneesh Kumar provided a comprehensive overview of the application process for the Royal Charter and shared that IEI began celebrating Royal Charter Day five years ago. The convener thanked Er. Rajneesh for his informative presentation.

Next, Er. Nikhil invited Er. R.P. Agrawal to deliver a presentation on the Devanagari script. Er. Agrawal offered a detailed analysis of the changes in both format and vocabulary of the Devanagari script over the years. He showcased historical records and shared examples of changes dating back to 1954. He also presented a newspaper clipping showing a recent change in the script's usage during a budget session. The convener thanked Er. Agrawal for his insightful presentation on the Devanagari script.

The event then moved on to a presentation by guest speaker Dr. Pragati Sharma, Associate Professor at Phonics Group of Institutions, Roorkee. Dr. Sharma's talk focused on the topic of "Mitigating Health Risks of Cellular Networks," covering the evolution from 1G to 5G. Er. Nikhil introduced Dr. Sharma, noting her

impressive qualifications, including a Ph.D. in Electronics and Communication (awarded in 2020), 22 years of teaching experience, expertise in circuit design and development, and her membership in IEI. Dr. Sharma has published 13 papers in national and international journals.

In her presentation, Dr. Sharma discussed the growing concerns surrounding radiofrequency (RF) radiation from cellular networks and its potential health risks. She explained how RF energy, emitted by mobile phones, can heat body tissues, leading to thermal effects that may cause health issues like blindness. Dr. Sharma elaborated on how RF energy is absorbed by the body, particularly at resonant frequencies, and how this can result in tissue damage. She highlighted several methods to mitigate RF radiation, including the use of microwave absorbers, metamaterials, highly directive antennas, and RF shields. She also mentioned ongoing research into using metamaterials and MIMO antennas to further reduce radiation. The convener thanked Dr. Sharma for her thorough and informative presentation and suggested that advancements in Artificial Intelligence could aid in addressing these health concerns more effectively.

Finally, Er. Nikhil Kishore invited Hony. Secretary Er. S.C. Mittal to deliver the vote of thanks. Er. Mittal expressed his gratitude to Er. Rajneesh Kumar for explaining the importance of Royal Charter Day, to Er. R.P. Agrawal for his illuminating presentation on the Devanagari script, and to Dr. Pragati Sharma for her educational talk on cellular network health risks. He also thanked the convener, Er. Nikhil Kishore, for successfully organizing and managing the webinar, and all the members for their active participation.

Engineers' Day Date: 15-09-2024

The 57th Engineers' Day was celebrated on Sept.15, 2024, at SCRIET, CCS University Meerut, commemorating the birth anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya. The event, organized by the Institution of Engineers (India) Meerut Local Centre in collaboration with SCRIET, began with Er. Manish Mishra, University Engineer and convener, inviting delegates to garland Sir MV's portrait and light the ceremonial lamp.

Er. R.P. Agrawal welcomed the Chief Guest, Dr. Arpit Chhabra, Senior System Analyst at SCRIET, and speakers Er. Rakesh Kumar Pandey and Er. Pravin Kumar.

Er. S.C. Mittal, Hon. Secretary, presented a brief on the life and achievements of Sir MV:

Bharat Ratna Sir Mokshagundam Visvesvaraya , born on Sep.15,1861 in Muddenahalli, Karnataka, was a visionary Indian civil engineer. He earned a BA degree from the University of Madras and a Civil Engineering degree from Pune. Known for designing the Krishna Raja Sagara (KRS) Dam and pioneering the Block System of irrigation, he revolutionized water management and infrastructure in India. As Diwan of Mysore (1912-1918), he established the Mysore Iron and Steel Works and modernized railways. Knighted in 1915, he authored key works on India's development. Honoured with the Bharat Ratna in 1955, he remains an inspiration for engineers, with his birthday celebrated as Engineers' Day every year.

Er. Rakesh Kumar Pandey, Assistant Professor, Dept. of Electronics & Instrumentation Engineering, Sir Chhotu Ram Institute of Engineering & Technology, Chaudhary Charan Singh University (Campus), Meerut, Uttar Pradesh has given a presentation on " Engineering Solutions for Sustainability with Latest AI Driven Technologies " He presented that Sustainability refers to development that meets present needs without compromising future generations. Sustainable engineering integrates environmental, social, and economic aspects, focusing on long-term, global impacts, unlike traditional engineering's short-term, local focus. Key principles include reducing resource consumption, reusing and recycling materials, and utilizing renewable energy. AI-driven technologies optimize sustainable design, energy efficiency, and resource management in fields like renewable energy, waste management, and smart cities. Engineers play a critical role in addressing global challenges like climate change, pollution, and resource depletion, driving sustainable development through innovation and collaboration for a livable future.

Er. Pravin Kumar, Asst. Professor, SCRIET, CCSU, MEERUT has given a presentation on " Driving Sustainability with Engineering Solutions Embracing the Latest Technology " He presented that the sustainable engineering designs systems to minimize environmental impact while meeting human needs. Artificial Intelligence (AI) enhances this by improving efficiency, reducing waste, and optimizing resource usage. AI plays a key role in achieving the United Nations' Sustainable Development Goals (SDGs), such as climate action, clean energy, and sustainable cities. It aids climate modeling, wildlife protection, smart grids, and precision agriculture. AI supports sustainable urban planning by optimizing traffic, water management, and recycling. In the circular economy, AI extends product lifecycles, improves material recovery, and reduces supply chain impact. Ethical AI requires addressing bias, minimizing energy use, and establishing responsible governance.

Dr. Chhabra expressed concerns about the rise in cybercrime while appreciating the event's theme.

Er. Mittal thanked the Chief Guest, speakers, attendees, and Dr. Laxmi Shankar for ensuring the event's success.

(C) Miscellaneous Activities:

1. Celebration of Independence Day on 15-08-2024