

# NEWS LETTER

## World Water Day Issue The Institution of Engineers (India)

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*"A Century of Service to the Nation"*

### From Chairman's Desk

World Water Day is observed annually on March 22<sup>nd</sup> to highlight the importance of freshwater resources and promote sustainable management. The day aims to raise awareness about the global water crisis and encourage action to address it. The theme "Glacier Preservation" for World Water Day 2025 to highlight the critical role of glaciers in global water systems and the urgent need to address their rapid decline due to climate change.

The Institution of Engineers (India), Assam State Centre is a pioneer professional body with a history of over 104 years. Young engineering graduates must join this prestigious institution, which will result in increase of membership and maintenance of the glory of this body. Arrival of young engineers will automatically infuse new ideas and spirit to boost up start-ups, entrepreneurial ventures, besides the routine activities. Assam State Centre is no exception. Like the entire country, this Centre is also looking forward to new arrivals and fresh ideas.

MoU has been done to exchange our thoughts with Sonitpur & Nowgong Polytechnic in the month of February 2025. We have successfully celebrated the Regional Language Promotion Day on 21.02.2025 with a topic 'Why Humans are drawn to the Nature' given by Mr. Chandan Kr. Bora, Retd. IFS. World Engineering Day celebrated on 04.03.2025 with a theme 'Unleashing the power of Engineers to Advance the Sustainable Development Goals' was celebrated where lecture was given by Dr. Manoj Kr. Das, DGM, NEDFi (Retd). This time the National Science Day was celebrated on 05.03.2025 at Narakasur LP School, Kahilipara, Guwahati-19 with a valuable talk given by appointed speaker Mr. Satya Deka, Member, School Management & Development Committee.

I thank all the Corporate Members, State Committee Members, Well-wishers and staff of State Centre, IEI who helped us in every manner. A special thanks to the members who made it possible to publish the IEI-ASC News Letter on time.

Once again, I wish all of you a "Very Happy World Water Day 2025".

(Er. Mahesh Barkataki FIE)  
Chairman



### From Honorary Secretary's Desk

Dear Corporate Members,

My best wishes to you all on this World Water Day Celebration, one of the major events being organized by the Institution of Engineers (India), Assam State Centre every year where all major organization working in the field of Water along with our Corporate Members participate.

I am very happy to inform you that in the last quarter, we celebrated "Republic Day" on 26 th January 2025 in our Centre. We celebrated "Regional Language Promotion Day" on 21 st Feb'2025 and the speaker was Mr. Chandan Kumar Bora, IFS (Retd.). We also arranged and celebrated the "National Science Day" at Narkashur L.P. School, Kahilipara Guwahati- 19 on 5 th March 2025 instead of 28 th February 2025 due to some technical constraint. On 4 th March 2025, we celebrated "World Engineering Day" on the theme "Unleashing the Power of Engineers to Advance the Sustainable Development Goals (SDGs)" and the speaker was Dr. Manoj Kumar Das, Retd. DGM(NEDFi). Today, we are celebrating "World Water Day" with a day long programme on the theme "Glacier Preservation". On this occasion, one issue of our News Letter (22 nd March'2025) is being published today. I am thankful to the Editorial Board of News Letter of our Centre.

I hope in the coming future with your support, more technical and meaningful activities can be taken up. I once again congratulate you on the occasion of "World Water Day 2025".

(Er. Monojit Mishra FIE)  
Hon. Secretary

### Forthcoming events :

- |   |              |
|---|--------------|
| • World Telecommunication & Information Society Day | : 17.05.2025 |
| • World Environment Day                             | : 05.06.2025 |
| • Engineers Day                                     | : 15.09.2025 |

Peace cannot be kept by force, it can only be achieved by understanding – Albert Einstein

# MoU SIGNED BETWEEN IEI ASC AND SONITPUR POLYTECHNIC

06-02-2025

A team of officials of IEI, Assam State Centre consisting of Chairman Er. Mahesh Barkataki, Hon Secy. Monojit Misra and Past Hon Secy. Amitava Nath visited the Sonitpur Polythchnic Institute on 6th February 2025 in connection with the signing of a MoU with the Institute. The officials of IEI were welcomed by Er. Radha Kanta Kalita, Principal along with the faculty members of the Institute. The signing of the MoU was arranged in the conference hall of the Institute wher more than 100 students were present. At the begining the Principal introduced the official of the Institution of Engineers (I), Assam State Centre before the students. He explained the objective of the meeting and also importance of signing of MoU. Er. Mahesh Barkataki FIE elaborated the need for MoU between the Polytechnic and IEI ASC. Thereafter, Er. Amitava Nath delivered a lecture citing the status of IEI and also he explained the importance of MoU at educational Institutes. Er. Manojit Misra elaborated on various aspects of IEI ASC Guwahati.

It was explained to the students that this MoU would allow the students to have access to Library of IEI, attend seminars and technical discussions, permit Industrial exposure, provide Technical Training , allow student membership of the Institution of Engineers and many other supports.

Two MoUs were signed, one between Institution of Engineers (I), ASC and Sonitpur Polytechnic and another between Institution of Engineers (I), ASC and Mechanical Engineering Deptt.of Sonitpur Polytechnic. Er. Monojit Mishra FIE, Hon. Secretary and Er. Radha Kanta Kalita, Principal signed the MoU on behalf of the Institution of Engineers (I), ASC and Sonitpur Polytechnic respectively

The meeting was concluded with a vote of thanks offered by one of the faculties of Sonitpur Polytechnic.



# MoU BETWEEN IEI ASC AND NOWGONG POLYTECHNIC

06-02-2025

A team of officials of IEI, Assam State Centre consisting of Chairman Er. Mahesh Barkataki, Hon Secy. Monojit Misra and Past Hon Secy. Amitava Nath visited the Nowgong Polythchnic Institute on the afterboon of 6th February 2025 in connection with the signing of a MoU with the Institute. The officials of IEI were welcomed by Dr. Dilip Kumar Talukdar, Principal along with the faculty members of the Institute. The arrangement for signing of Mou was made in the auditorium of the Polytechnic where around 80 students were present.

The Principal introduced IEI ASC engineers before the students. He explained the objective of the meeting. Er. Mahesh Barkataki FIE elaborated the need for MoU between the Polytechnic and IEI ASC. Thereafter, Er. Amitava Nath delivered a lecture citing the status of IEI and also he explained the importance of MoU at educational Institutes. Er. Nath further highlighted the resources of IEI ASC Guwahati which could be shared by the faculties and students of Nowgong Polytechnic. Er. Monojit Mishra elaborated on various aspects of IEI ASC Guwahati along with different activities being performed in the IEI, ASC.

It was made clear to the faculties and students of Nowgong Polytechnic that signing of MoU opened a path for knowledge sharing and information interchange between the two Engineering Institutes.

Two MoUs were signed, one between Institution of Engineers (I), ASC and Nowgong Polytechnic and another between Institution of Engineers (I), ASC and Civil Engg. Deptt. of Nowgong Polytechnic. Er. Monojit Mishra FIE, Hon. Secretary and Dr. Dilip Kumar Talukdar, Principal signed on behalf of Institution of Engineers (I), ASC and Nowgong Polytechnic respectively.

The meeting was concluded with a vote of thanks offered by one of the faculties of Nowgong Polytechnic.



Kindness is the language which the deaf can hear and the blind can see – Marl Twain

# Regional Languages Promotion Day

21-02-2025

Regional Language Promotion Day, 2025 was celebrated in the premises of The Institution of Engineers (India), Assam State Centre. As a part of this celebration, Mr. Chandan Kumar Bora, IFS (Retd.) was invited as appointed Speaker to deliver a speech on this occasion. Mr. Bora delivered a popular talk on the theme **"Why humans are drawn to the nature"**. Er. Mahesh Barkataki, FIE, Chairman of IEI, ASC presided over the function and Er. Monojit Mishra, FIE, Hon. Secretary welcomed the appointed speaker and the audience. Dr. Sashindra Kr. Kakoty, FIE, former Chairman of IEI, ASC introduced the speaker to the gathering and Er. G.N. Khound, Former Chairman, IEI, ASC felicitated the speaker with a Gamosa

The deliberation was presented in Assamese Language and Shri Bora elaborated about the relation between human and nature as well as the reason of human being attracted to the nature. The speaker divided the reason of attraction between humans and nature as Evolutionary nature, Physiological reason and Cultural and Social factors. Shri Bora also exhibited a number of photographs taken by him during his 34 years of experience in his service life in the Forest Department of Govt. of Assam in various capacities. He also replied all the queries of the audience in simple Assamese Language. The Popular talk was a grand success and fulfilled its objectives.

At the end of the function, Er. Shantanu Choudhury, MIE, Jt. Hon. Secretary offered formal vote of thanks.



# World Engineering Day 2025

04-03-2025

A lecture session was organized on the occasion of World Engineering Day 2025 by IEI, Assam State Centre on 4th March 2025 at the Golden Jubilee Lecture Theatre. The session was presided over by Er. Mahesh Barkataki FIE, Chairman, IEI, ASC. Er. Monojit Mishra, FIE, Hon. Secretary welcomed the gathering and spoke about the significance of the day. He also introduced the speaker Dr. Manoj Kumar Das, Retd. DGM (NEDFi) to the audience. Dr. Sashindra Kumar Kakoty, FIE and Prof. (Dr.) Nripendra Nath Patwari, FIE, both former Chairman of IEI, ASC felicitated the Speaker.

Er. Manoj Kumar Das delivered the talk on "Unleashing the Power of Engineers to Advance the Sustainable Development Goals (SDGs)" with a power point presentation, started with the role of engineers in sustainable development. Er. Das said that the 2025 theme focuses on how engineers drive innovation to achieve the Sustainable Development Goals (SDGs), ensuring a greener, more equitable future without robbing our future generations of their resources and environment.

Er. Manoj Kumar Das also pointed out that engineers design and implement solutions for clean energy, climate resilience, sustainable infrastructure and more, directly impacting the SDGs. He also emphasized that key SDGs for engineers are clean water and sanitation; affordable and clean energy; industry, innovation & infrastructure; sustainable cities and communities and climate action. He further urged the engineers to play a key role in decarbonization, AI-driven sustainability, space exploration and building communities for the future.

The talk was well received by the corporate members present and they had a very vibrant interactive session after the talk was over.

Er. Shantanu Choudhury, MIE, Jt. Hon. Secretary offered the formal vote of thanks to the gathering.



# National Science Day 2025

05-03-2025

National Science Day 2025 was observed by the Institution of Engineers (India), Assam State Centre at the premises of Narkashur Junior Basic School, Kahlipara, Guwahati-19 on 5<sup>th</sup> March'2025. Due to some technical constraint the same could not be observed on 28<sup>th</sup> of February 2025. The meeting was attended by teachers, students and members of School Management and Development Committee along with Er. Mahesh Barkataki FIE, Chairman, Er. Monojit Mishra FIE, Hony. Secretary, Er. Shantanu Choudhury MIE, Joint Hony. Secretary and Er. Bhaben Kalita FIE, former Hony. Secretary of IEI, ASC. The meeting was presided over by Er. Mahesh Barkataki. Er. Monojit Mishra, Hony. Secretary of the Centre explained briefly the significance and importance of the National Science Day. He also elaborated the role and function of IEI, Assam State Centre. Participating as an appointed speaker, Shri Satya Deka, Member, Narkashur Junior Basic School Management and Development Committee talked about scientific basis of various activities in our day-to-day life and emphasized the importance of scientific temper amongst the students from the childhood. Thirty-four nos. of Students demonstrated their scientific models which were of very good standard. Also, an interactive session was held where ten no. of students spoke about the significance of National Science Day.

Mrs. Dipika Devi, Headmistress of the School called upon the students to concentrate wholeheartedly on studies and utilize the various facilities provided by the Govt. of Assam in schools which are free of cost so that they can excel in their future life.

At the end of the meeting a documentary of world heritage site Kaziranga National Park was screened for the benefit of the students and teachers of the school as well as other members present.

Er. Shantanu Choudhury MIE, Jt. Hony. Secretary offered the formal vote of thanks to the gathering.



# Celebration of 76th Republic Day

## IEI, Assam State Centre



## HOW TO BECOME A PROFESSIONAL ENGINEER WITH IEI

### WHO?

The Institution of Engineers (India), the largest multi-disciplinary engineering professional body of engineers, has been certifying Professional Engineers (PEs) for over a decade. The Institution is now a full member of the Engineers' Mobility Forum (EMF), which facilitates the international mobility of professional engineers certified by IEI according to the international standards.

### WHY?

The certification of an engineer as a Professional Engineer (PE) recognizes his professional capability and competence. The Professional Engineers certified by IEI as per international norms would be free to practice the profession in other countries like the UK, Canada, Japan, Australia, etc. without any additional checks beyond those applicable to the local engineers in those countries.

### HOW?

#### Eligibility criteria for becoming a Professional Engineer :

- Recognized bachelor's degree in engineering or equivalent
- Minimum seven years' professional experience
- Minimum two years' professional experience in significant engineering activity
- Membership of a recognized professional Institution or society
- Good character and commitment to the Code of Ethics
- Professional Engineers Certification

#### Professional Engineers Certification

The certification of professional engineer involves :

- Online Assessment Examination
- Assessment of record of professional experience and Continuous Professional Development
- Revalidation after every five years



# World Water Day 2025

Theme: **Glacier Preservation**

March 22, 2025

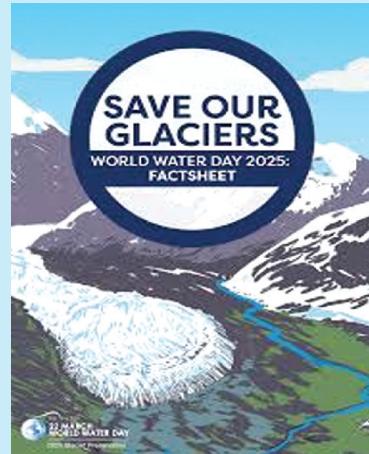
World Water Day is observed on 22<sup>nd</sup> March every year by The United Nations. The theme for the year 2025 is "**Glacier Preservation**," emphasizing the critical role glaciers play in sustaining the global water supply. Glaciers are melting rapidly, disrupting water flows and affecting millions through floods, droughts, and rising sea levels. Mitigating climate change and adapting to the loss of glaciers is essential to protect communities and ecosystems.

The theme emphasizes the need for global action to manage melt-water sustainably and reduce emissions, securing vital water resources for the future.

The theme highlights the essential role glaciers play in providing freshwater to millions of people. Glaciers store roughly 70% of the world's fresh water, serving as critical sources for drinking water, agriculture, and hydropower. However, the rapid retreat of glaciers, driven by climate change, threatens these vital resources. The theme urges global action to protect glaciers, which are not only crucial for water supply but also for sustaining the ecosystems dependent on glacial melt-water.

Efforts to preserve glaciers require a multifaceted approach, including reducing greenhouse gas emissions, promoting sustainable energy, and implementing policies aimed at conserving these natural resources. Technological advancements, such as satellite monitoring and climate models, are essential in assessing glacier health and predicting future changes. Conservation initiatives in glacier-rich regions are also vital in mitigating human impact and ensuring the continued flow of glacial water. By prioritizing glacier preservation, we secure vital freshwater, protect biodiversity, and enhance the resilience of vulnerable communities against climate change.

The Institution of Engineers (India) earnestly urges all the IEI State & Local Centres, as well as its affiliated entities, to observe the World Water Day-2025, actively participating in the associated activities.



## The Institution of Engineers (India) New Membership (Life time membership)

Sl.	Category	Age (min)	Qualification	Experience	Amount
1.	AMIE	21	B.E. / B.Tech or Equivalent	Nil	Rs. 5,900.00
2.	MIE	30	B.E. / B.Tech or Equivalent	8 Years post qualification	Rs. 8,260.00
3.	FIE	40	B.E. / B.Tech or Equivalent	15 Years post qualification	Rs. 20,060.00
Up gradation Membership (Life time membership)					
1.	AMIE to MIE	30	B.E. / B.Tech or Equivalent	8 Years post qualification	Rs. 3,540.00
2.	AMIE to FIE	40	B.E. / B.Tech or Equivalent	15 Years post qualification	Rs. 15,340.00
3.	MIE to FIE	40	B.E. / B.Tech or Equivalent	15 Years post qualification	Rs. 13,452.00

News Letter Compiled by **Er. G N Khound FIE, (Convenor), Er. M Barkataki FIE, Er. Monojit Mishra FIE**

**Always look for the fool in the deal. If you don't find one , it's you. – Mark Cuban**