



# NERIWALM NEWSLETTER



OCTOBER-DECEMBER  
VOL. : 2025  
ISSUE : 04

**North Eastern Regional Institute of Water and Land Management  
Department of Water Resources, River Development & Ganga Rejuvenation,  
Ministry of Jal Shakti, Government of India,  
Tezpur, Assam - 784 027.**

## Hon'ble Secretary Visits NERIWALM

On 11th December 2025, the Hon'ble Secretary of the Ministry of Jal Shakti visited NERIWALM, Tezpur, accompanied by the Chairman of the Brahmaputra Board and the Commissioner of B&B. The visit included a campus tour showcasing key infrastructure and initiatives, followed by a formal meeting where ongoing activities were reviewed and further progress in research, training, and capacity building was encouraged. NERIWALM expresses gratitude for the guidance and encouragement received.



## 13th Technical Advisory Committee (TAC) Meeting

NERIWALM successfully convened its 13th Technical Advisory Committee (TAC) Meeting at its campus in Tezpur on 28 October 2025 in hybrid mode, with members participating both offline and online. The meeting included detailed deliberations on ongoing activities, progress of research and training programmes, and proposed future action plans. The committee members provided constructive suggestions and valuable inputs to strengthen NERIWALM's initiatives in sustainable water resources management and capacity building in the North Eastern Region.



## India-EU Water Initiative

The India-EU Water Initiative and NERIWALM collaboration began with a two-day writeshop on 17-18 November, where Indian experts and EU specialists from IHE Delft jointly developed a training module on Decision Support System for Flood Risk Analysis using Flood Modelling and GIS Tools. The writeshop focused on integrating advanced modelling and geospatial tools to enhance flood risk assessment, decision-making, and international capacity building.



*“Healthy soil and clean water are not separate goals—they are the foundation of sustainable development.” — Rattan Lal*

## EVENTS

### Swachh Bharat Diwas and Gandhi Jayanti

On the occasion of Swachh Bharat Diwas and Gandhi Jayanti, NERIWALM paid a heartfelt floral tribute to the Father of the Nation, Mahatma Gandhi. The observance included the administration of a Swachhata Pledge and the screening of a film on the life and ideals of Gandhiji. The event also marked the initiation of Special Campaign 5.0 at NERIWALM on 2 October 2025.



### Vigilance Awareness Week



Vigilance Awareness Week was observed at NERIWALM on 27 October 2025 with a pledge-taking ceremony emphasizing integrity and transparency. The Director, NERIWALM, administered the Integrity Pledge to all officials and staff members, reaffirming the institute's commitment to ethical conduct, accountability, and good governance in all organizational activities.

### 10th Ayurveda Day

On the occasion of the 10th Ayurveda Day, NERIWALM organized a lecture on “Medicinal Plant Wealth of North East India: Challenges and Opportunities for Sustainable Commercialisation” on 27 October 2025. The programme was attended by the Director, NERIWALM, along with officials, students, and project staff. The lecture was delivered by Dr. M. K. Sharma, Professor, Assam Agricultural University, who highlighted the rich medicinal plant diversity of the North Eastern region and discussed challenges and opportunities for their sustainable commercialisation.



On the occasion of Rashtriya Ekta Diwas, commemorating the birth anniversary of Sardar Vallabhbhai Patel, a Pledge Taking Ceremony was organized at NERIWALM, Tezpur on 31 October 2025. The Director, NERIWALM, administered the pledge to all officials, students, and staff, reaffirming their collective commitment to uphold the unity, integrity, and security of the nation.



## 150 years of Vande Mataram



NERIWALM commemorated the historic milestone of 150 years of “Vande Mataram”, a song that ignited the spirit of India’s freedom struggle and continues to inspire patriotism across generations. To mark the occasion, a collective singing programme was organized in which the Director, officials, and staff joined together to pay tribute to the national song of the motherland.

## 53rd birth anniversary of Zubeen Garg

NERIWALM observed the 53rd birth anniversary of Zubeen Garg with a śradhāñjali (tribute) ceremony held at the NERIWALM premises. The programme aimed to honour his unparalleled contributions to Assamese music, culture, and the creative arts. All employees participated in the gathering, lighting candles and paying homage to the beloved icon whose voice continues to inspire generations.



## Constitution Day



NERIWALM observed Constitution Day on 26 November 2025 with a solemn pledge-taking ceremony, reaffirming the collective commitment to uphold the values and principles enshrined in the Indian Constitution. The programme emphasized the ideals of justice, liberty, equality, and fraternity among all citizens.

# IN CAMPUS TRAINING PROGRAMMES

## Hydraulic and Hydrological Modelling

**3-7 NOVEMBER 2025**

The programme was inaugurated by Dr. Pradip Kumar Bora, Director, NERIWALM, who addressed the participants and highlighted the importance of modelling tools in contemporary water resources planning and management, followed by an interactive session with the B.Tech (Civil/Agricultural Engineering) students and M.Tech/Ph.D. scholars in Water Resources Engineering. The training programme aims to provide both theoretical and hands-on exposure to hydraulic and hydrological modelling techniques using modern software tools.



## Water Resources Management

**10-14 NOVEMBER 2025**

NERIWALM organized the five-day training programme for the officials of DoWR, RD & GR, Ministry of Jal Shakti. The programme comprised classroom lectures, exposure visits, and field demonstrations, covering various aspects of water resources planning, development, and management, aimed at enhancing the practical knowledge and professional capacity of the participants.



## Vigilance Awareness Programme

**14 NOVEMBER 2025**

The programme began with an Inaugural session followed by technical sessions on Procurement through GeM (Part I & II) along with an informative session on Cyber Security. Shri Noni Gopal Debnath, Technical Officer and Nodal Officer (GeM) from ICAR- NEH Region, Umiam served as the Resource Person for the technical sessions, delivering valuable insights on efficient and transparent procurement practices. NERIWALM remains committed to promoting vigilance and good governance through continuous awareness and capacity-building initiatives.



# IN CAMPUS TRAINING PROGRAMMES

## Emergency Preparedness for Fire Safety

19 NOVEMBER 2025

29 DECEMBER 2025



The training programme was conducted at NERIWALM for staff of NERIWALM and stakeholders in two sessions, held on 19 November and 29 December. The programme focused on creating awareness about fire safety measures, emergency response procedures, and preparedness to effectively handle fire-related emergencies.

Participants also engaged in practical demonstrations and drills, enhancing their readiness to respond swiftly and safely during fire incidents.

## Integrated Water Management in Summer Paddy

20 NOVEMBER 2025

The training programme was conducted for farmers, with a total of 42 participants. The programme focused on improving knowledge and practical skills in efficient water management practices, aiming to enhance paddy productivity and sustainability in summer cultivation. Practical demonstrations and interactive sessions enabled the farmers to gain hands-on experience for effective implementation in their fields.



## Exposure Visit of B.Sc. Agriculture Students from Girijananda Chowdhury University

3 DECEMBER 2025



A group of B.Sc. Agriculture 1st-year students from Girijananda Chowdhury University visited NERIWALM on 3rd December for an exposure programme. The visit commenced with an interactive session with the Director, NERIWALM, followed by a guided tour of the Soil and Water Testing Laboratory and the NERIWALM Research Farm. During the visit, the students gained practical insights into soil analysis, water quality assessment, and on-field agricultural activities, enhancing their understanding of applied water and soil resource management.

## Preparation of Detailed Project Report for Irrigation and Multipurpose Projects



6-10 OCTOBER, 2025

GUWAHATI

The training programme was organized by NERIWALM in collaboration with the National Water Academy (NWA), CWC, Pune and the North Eastern Hydraulics and Allied Research Institute (NEHARI) at NEHARI, Brahmaputra Board, Guwahati. The programme aimed to enhance the participants' understanding of DPR preparation, project planning, and implementation strategies for irrigation.

## Water Conservation & Water Management

20 OCTOBER, 2025

IMPHAL WEST

The training programme was organized by NERIWALM in collaboration with the District Mission Management Unit, Imphal West District, Manipur State Rural Livelihood Mission. A total of 53 women SHG members and Krishi Sakhis participated in the programme, which focused on enhancing knowledge and practical skills in efficient water use, conservation practices, and sustainable water management.



## Soil Health Management

24 OCTOBER, 2025

MANIPUR



The training was conducted for farmers and Water User Associations (WUAs) of Manipur in collaboration with KVK, West Imphal, at Imphal. A total of 50 participants attended actively engaging in interactive sessions conducted by experts from NERIWALM and KVK.

## Irrigation Water Management in PPP Mode

25 OCTOBER, 2025

MANIPUR

A one-day training was conducted for the farmers and Water User Associations (WUAs) at Uyal, Thoubal, Manipur. A total of 132 participants attended the programme, which focused on strengthening understanding of participatory irrigation management and promoting effective collaboration between stakeholders for sustainable water use and improved irrigation efficiency.



## WUA in Canal Operation and Maintenance

4-5 NOVEMBER, 2025 📍 MEGHALAYA

NERIWALM successfully organized the two-day training programme at Kudengrim Village, West Jaintia Hills, Meghalaya. The programme was attended by farmers and members of Water Users Associations. A practical session and video documentation on the construction, repair, and maintenance of the traditional Bamboo Drip Irrigation System were also conducted. A total of 47 participants attended the programme.



## Soil Health Management

19 NOVEMBER, 2025 📍 UDALGURI

The training was conducted in collaboration with the District Agriculture Office, Udalguri. A total of 40 farmers participated in the programme, which focused on enhancing knowledge of soil fertility, nutrient management, and sustainable agricultural practices through interactive discussions and practical demonstrations.



20 NOVEMBER, 2025 📍 ARUNACHAL PRADESH

NERIWALM successfully organized a one-day farmers' training programme at Dollungmukh, Arunachal Pradesh, in collaboration with ArSRLM. The programme aimed at strengthening farmers' knowledge of soil fertility improvement, balanced nutrient use, and sustainable farming practices through interactive discussions.



## Multiple Cropping and Water Management

21 NOVEMBER, 2025 📍 ARUNACHAL PRADESH

The one-day farmers' training programme was conducted by NERIWALM at Dollungmukh. The programme focused on enhancing farmers' awareness of efficient water use and suitable cropping practices to improve productivity and sustainability. Interactive sessions and practical discussions helped participants understand the benefits of adopting integrated cropping and water management strategies.



## Application of Remote Sensing and GIS in Water Resource management

1-5 DECEMBER, 2025

SIKKIM

The training programme was conducted for 43 officers from various line departments in Sikkim to strengthen technical capacity in using geospatial tools for water resources planning and decision-making, through theory sessions, hands-on exercises, and case studies. The programme emphasized practical application of geospatial technologies for effective water resources assessment and management.



## Springshed Management

2 DECEMBER, 2025

SIKKIM

The training programme was conducted for Water User Associations, farmers, and other stakeholders, with 41 participants, focusing on springshed protection, recharge measures, and sustainable spring water management through community-based approaches.



## Micro irrigation Troubleshooting and Maintenance

5 DECEMBER, 2025

SIKKIM

The one-day training programme was conducted at CAEPHT, Ranipool for Water User Associations and farmers, with 33 participants. The programme included lectures and field demonstrations on fault identification, repair, and maintenance to improve water-use efficiency in micro-irrigation systems.



## Survey and Design of Irrigation Projects

15- 17 DECEMBER, 2025

MANIPUR

The three-day training programme was conducted for officers from Manipur, with 38 participants, focusing on enhancing technical knowledge and practical understanding of survey techniques and design aspects for effective irrigation project planning and implementation.



## Water Literacy: A Pertinent Issue

15-DECEMBER, 2025

MANIPUR



The one-day training programme was conducted for women from Manipur, with 51 participants, focusing on water conservation, sustainable use, and responsible water management through interactive sessions. The programme encouraged participation and promoted adoption of water-saving practices at the community level.

## Multiple Cropping and Water Management

16 DECEMBER, 2025

MANIPUR

The training programme was conducted for farmers from Manipur, with a total of 59 participants. The programme focused on improving awareness and practical understanding of efficient water management practices to enhance crop productivity under multiple cropping systems.



## Water User Associations in Canal Operations

17-18 DECEMBER, 2025

MANIPUR



The training programme for 31 State Department officials and Water User Association members from Manipur focused on participatory canal operation, efficient water distribution, and the roles of WUAs in decision-making, maintenance, and conflict resolution.

## Irrigation Management in PPP Mode

19 DECEMBER, 2025

MANIPUR

The training programme for 110 farmers from Manipur focused on public-private partnership (PPP) models in irrigation management, highlighting stakeholder roles, benefits in operation and maintenance, and improved service delivery.



NERIWALM coordinated a one-day training programme on Rashtriya Karmayogi at the Brahmaputra Board, Guwahati, on 27 October 2025. The sessions, facilitated by Dr. Prianka Paul (NERIWALM) and Dr. Ranjit Deka (Brahmaputra Board) focused on the Mission Karmayogi framework to enhance officials' professional competencies.



## Trainings attended by employees

- Shri Binay Krishna Das, Library & Information Assistant, attended an In-Service Course for Library & Information Science Professionals from 6–17 October 2025 at ISTM, New Delhi, under the Department of Personnel and Training (DoPT), Ministry of Personnel, Public Grievances and Pensions, Government of India.
- Shri Saurav Bhattacharjee, Research Associate (WRE), participated as a trainee in an offline training programme on Mapping, Monitoring and Modelling of Floods using Geospatial Data from 17–28 November 2025 at Indian Institute of Remote Sensing, Dehradun..
- Dr. Chandam Victoria Devi, Assistant Professor (S.Sc), attended national-level events in New Delhi in December 2025: a) National Workshop on 'Future Readiness of Central Training Institutes' organized by the Capacity Building Commission on 14th December, and b) National Seminar on 'Springshed Management' organized by ICIMOD on 16th December.



## Publications

- Barik, P., Bhuyan, A., & Hodam, S. (2025). A review of indigenous knowledge in flood management: A scientometric analysis (2021–2025). *Management Convergence: An International Journal of Management*, 17(1), 101–116.
- Hazarika, A., Das, L. M., Das, R., & Hazarika, U. M. (2025). Soil erosion vulnerability in Umngot watershed using analytical hierarchy process in GIS. *Transactions of the Indian Geographer*, 47(2), 235–246.
- Talukdar, T., Patowary, S., Hazarika, U. M., Bhattacharjee, S., Kurbah, S., & Barman, D. (2025, October 6–7). Rainfall–runoff modelling using HEC-HMS for the Umngot River, Meghalaya. Paper presented at the International Conference on Empowering Women in Science, Technology, Engineering, Arts and Management (ICEWSTEAM 2025), Manipal University Jaipur, Jaipur, India.
- Borah, D., Das, L. M., Patowary, S., Buragohain, B., & Bhattacharjee, S. (2025). Quantitative assessment of flood risk in the lower reaches of the Bhogdoi River. Paper presented at the International Conference on Empowering Women in Science, Technology, Engineering, Arts and Management (ICEWSTEAM 2025), Manipal University Jaipur, Jaipur, India.

- Training Programme: Four M.Tech (WRM) students of NERIWALM attended a two-week training on Applications of Remote Sensing & GIS in Water Resources and Flood Management at NESAC, Umiam, Meghalaya (10–21 November 2025).
- Placement Achievement: Ms. Natasha Baruah, NERIWALM, was selected as Junior Engineer, Water Resources Department (WRD).

## Field Visit & Surveys

- Dr. Prianka Paul, Assistant Professor (WRE), and Shri Shuvajit Das, Laboratory Assistant (Engg.), contributed technical expertise during a bathymetry survey at Tuirial Dam, Mizoram from 30<sup>th</sup> - 31<sup>st</sup> October, 2025
- Dr. Sagarika Patowary, Assistant Professor (WRE), along with three project staff (YP & FA) of NERIWALM and scientists from NIH NER, visited the Ranganadi HEPP, NEEPCO, Arunachal Pradesh on 6 November, 2025, with the NIH–NERC team as part of an ongoing collaborative project on the hydro-geomorphic and social impacts of the dam under climate change.



## SWACHHATA HI SEVA 2025

NERIWALM actively carried out a series of cleanliness drives throughout October 2025 as part of Special Campaign 5.0, reaffirming its commitment to cleanliness and hygiene on the campus. The campaign commenced with a Cleanliness Drive on 3rd October 2025, followed by campus cleaning activities on 4th, 6th, 8th, and 10th October 2025.

The momentum of the campaign was sustained with regular cleanliness drives on 14th, 15th, and 17th October 2025, along with continued efforts across the month. Officials, staff, and trainees actively participated in the drives, contributing to maintaining a clean, healthy, and eco-friendly campus environment in the spirit of Special Campaign 5.0.



*“I’ve known rivers: I’ve known rivers ancient as the world and older than the flow of human blood in human veins. My soul has grown deep like the rivers.” — Langston Hughes*

## **Director’s Desk**

Hon’ble Secretary of Water Resources, RD & GR, Shri V. L. Kantha Rao made his maiden visit to NERIWALM on 11<sup>th</sup> December 2025. He visited all the facilities of NERIWALM and interacted with the students and staff of the institute. He appreciated the progress made by the institute and also encouraged the staff and students to do more for solving the water related problems of the people in the region. There was another landmark development achieved by the institute in the last quarter. India-EU water initiative activities involving NERIWALM has been kick started with 2-day “Writeshop” during 17<sup>th</sup> and 18<sup>th</sup> November, 2025 wherein the training on “Decision Support System for Flood Risk Analysis using Flood Modelling and GIS Tools” has been finalized to be conducted during 19<sup>th</sup> January to 30<sup>th</sup> January. This year the Inception Day lecture was delivered by Dr. Rajiv Mehajan, who is a well-known public speaker, on “Leadership in Research and Management”. The institute also spent some quality time outside of the office hours in celebrating inception day of the institute on 23<sup>rd</sup> December.

The 13<sup>th</sup> meeting of Technical Advisory Committee was also held on 28<sup>th</sup> October to assess the progress of the Technical activities of the Institute. The meeting was attended by all the members and I am happy to note that all the members were appreciative of the progress made by the institute. Vigilance awareness week, Swachhata pakhawara are some other activities successfully conducted by the institute.

I congratulate the staff and students for appreciable all-round progress made by the institute and completing successful 36 years of its establishment.

## **EDITORIAL BOARD**

### **Chief Editor:**

**Dr. Uzzal Mani Hazarika, Professor (WRE)**

### **Editors:**

**Dr. Ch. Victoria Devi, Assistant Professor (SSc)**

**Dr. Sagarika Patowary, Assistant Professor (WRE)**

**Dr. Luna Moni Das, Assistant Professor (SSc)**

### **Designing Team:**

**Shri Shuvajit Das, Laboratory Assistant (Engineering)**

**Ms. Mridusmi Hazarika, Young Professional (Library)**

### **Liaisoning Officer:**

**Shri Binay Krishna Das (Library and Information Assistant)**

The North Eastern Regional Institute of Water and Land Management (NERIWALM) is under the Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti, Govt. of India to provide capacity building, undertake research and provide technical services to the line departments in order to manage water and land for improving agricultural production and socio-economic status of the people in North East India.

The Institute caters to all the eight states of North Eastern Region of India namely Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. The technical expertise's of the Institute is also reach out to other part of the country and neighboring countries specially South East Asian countries.



**Director**

**NORTH EASTERN REGIONAL INSTITUTE OF WATER AND LAND MANAGEMENT**

Department of Water Resources, River Development and Ganga Rejuvenation

Ministry of Jal Shakti, Government of India

Dolabari, Kaliabhomora-784027

Tezpur, Assam

Phone: 03712-291069

E-mail: [dir-neriwalm@gov.in](mailto:dir-neriwalm@gov.in)

Website: <https://neriwalm.gov.in/>