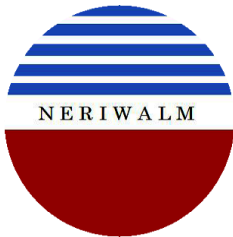


NERIWALM

NEWSLETTER

75
आज़ादी का
अमृत महोत्सव

स्वच्छ
भारत
एक कदम स्वच्छता की ओर



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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.

MEETINGS

10th Meeting of Executive Council of NERIWALM

 22 August, 2024

 NERIWALM



The meeting of 10th Executive Council (EC) of NERIWALM was held on 22nd August 2024 in a hybrid mode in the Conference room of NERIWALM, Tezpur under the chairmanship of Smt. Debashree Mukherjee, Secretary, Dept. of Water Resources, RD and GR, Ministry Jal Shakti and Chairman EC of NERIWALM society. EC members including Shri Ranbir Singh. Chairman, Brahmaputra Board, Shri Subodh Yadav, Additional Secretary, Ms. Richa Misra, Joint Secretary and Financial Advisor and members from WAPCOS, CAD, BBO, CWC, Guwahati; NEHARI, CGWB-NER, Guwahati; IIT, Guwahati; ICAR, Umiam; Irrigation Department, Govt. of Tripura and Assam Agriculture University ,Jorhat attended the meeting.

Dr. Pradip Kumar Bora, Director and Member Secretary of the Executive Council of NERIWALM welcomed the members and presented the Agenda of the meeting. All agendas were thoroughly discussed and valuable suggestions and recommendations were given by the Executive Council members for further actions.

Following the meeting, Hon'ble Secretary and members of EC interacted with staffs and students of NERIWALM and also conducted a tour of the institute's infrastructure.

Plantation

 23 August, 2024

Campus Visit



NERIWALM's presence in Potential North East 2024

12-14 September , 2024

NEW DELHI

NERIWALM participated in "Potential North East 2024," held at Constitution Club of India, New Delhi. The exhibition and conference were organized by the PHD Chamber of Commerce and Industry, with support from the Department of Water Resources, RD & GR, Ministry of Jal Shakti. NERIWALM showcased its activities and achievements through a stall and witnessed the footfall and appreciation of many visitors.



NERIWALM's presence in 8th India Water Week—2024

17-20 September , 2024

NEW DELHI

NERIWALM marked its distinctive presence in the 8th India Water Week -2024, held at Bharat Mandapam, Pragati Maidan, New Delhi, with a total of five research papers selected for publication in the event proceedings. The institute's stall attracted over 300 visitors during the exhibition. The event, which included both an exhibition and a conference, was organized by the National Water Development Authority under the Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Government of India.



“India considers water to be God and its rivers as mothers”

—Prime Minister Narendra Modi

NABL Accreditation

Soil and Water Testing Laboratory of NERIWALM has been awarded NABL accreditation in accordance with the ISO/IEC 17025:2017 standards. This accreditation signifies that the laboratory meets the international benchmarks for competence in testing and calibration, ensuring the reliability and accuracy of its analytical processes. With this recognition, the laboratory is now ready to deliver high-quality, standardized testing services, enhancing its contributions to research and development in the field of soil and water management.



Good Water Management Practices in North East India for Better Basin Management

This project implemented by North Eastern Regional Institute of Water and Land Management aims to refine traditional water resource management and replicate time tested practices to other similar places on pilot basis in North East India. The project is funded by the Brahmaputra Board.

Lesson Learning Workshop

 24-25 September, 2024

 Ziro, Arunachal Pradesh

A Lesson Learning Workshop for Good Water Management Practices project was organized at Ziro in collaboration with Water Resource Dept. Arunachal Pradesh. Sponsored by Brahmaputra Board, the workshop was chaired by Ms. Himani Meena, Additional Deputy Commissioner, Lower Subansiri district and attended by Project Beneficiaries, Farmers, Officers from Water Resources, Agriculture, Fishery, Animal Husbandry, Veterinary & Dairy Development and Panchayati Raj Department.

The workshop shared experiences of the project equipping them for sustainable management of water resources.



“However, today we are making efforts to restore groundwater level and create mindful communities by combining demand and supply side interventions through village Water Security Plans ” —
Shri Gajendra Singh Shekhawat

Independence Day Celebration

📅 15 August, 2024

📍 NERIWALM



78th Independence Day was celebrated with full enthusiasm, it commemorated with the hoisting of tricolor by Dr. Pradip K. Bora, Director, NERIWALM. Achievement of the institute was announced by Director followed by cultural programme organized by NERIWALM fraternity and students .

Walk for Yoga

📅 12 September, 2024

📍 NERIWALM

Shri Krishna Nayaka, a yoga trainer from Mysore, on his extraordinary endeavor to spread Yoga by transcending the vast Indian territory on foot all alone visited NERIWALM. Shri Nayaka interacted with faculty and students and demonstrated the benefits of Yoga. He is visiting institute, universities, colleges and schools on his journey and emphasizing the transformative power of yoga during his 'Walk for Yoga'. Through his walk, he encouraged youth to adopt yoga as a daily practice to enhance holistic health.



हिंदी पखवाड़ा

12 सितंबर से 25 सितंबर, 2024

आयोजक

पूर्वोत्तर क्षेत्रीय जल एवं
भूमि प्रबंधन संस्थान

जल संसाधन, नदी विकास और गंगा संरक्षण विभाग,
जल शक्ति मंत्रालय,
भारत सरकार

Hindi Diwas Celebration

📅 14 September, 2024

📍 NERIWALM

The Hindi Diwas followed by Hindi Pakhwada was celebrated to mark the importance and adaption of Hindi in official works. On the occasion of Hindi Diwas a write-up written by Shri M.Koirala , Hindi officer (Rtd), was circulated online to all staffs/ students for understanding the importance of the occasion.

“When treated water is reused, fresh water is conserved, it benefits the entire ecosystem. That’s why water treatment, water recycling is essential.”

—Prime Minister Shri Narendra Modi

राजभाषा से सम्बंधित

- ◇ नेरिवालम ने हर साल की तरह इस साल भी 14 सितंबर से 28 सितंबर, 2024 तक हिंदी पखवाड़ा मनाया है।
- ◇ श्रीमती दीपाली मोहन, आशुलिपिक ने राजभाषा विभाग, गृह मंत्रालय द्वारा भारत मंडपम, नई दिल्ली में 14-15 सितंबर 2024 को अयोजित हिंदी दिवस एवं चतुर्थ अखिल भारतीय राजभाषा सम्मेलन में सहभागिता की है और दीपाली मोहन को प्रोत्साहन स्वरूप स्वीकृत मानदेय राशि भी प्रदान किया है।
- ◇ हिंदी शिक्षण योजना, राजभाषा विभाग, गृह मंत्रालय गुवाहाटी में प्राज्ञ पाठ्यक्रम के लिए नेरिवालम के 5 (पांच) अधिकारियों को नामित किया गया है।



Students Corner

- ◆ 100% of students of the M.Tech (Water Resources Management) program from the 2022-24 batch successfully completed their course with first-class distinction.
- ◆ A total of 16 student took admission in M.Tech (Water Resources Management) program for the 2024-26 batch.

An Orientation Programme was organized for the newly admitted students of M.Tech Program for the academic session 2024-2026 on 21st August 2024.



Farewell to Employees

Dr. Amulya C. Debnath, Professor of Water Resource Engineering, superannuated on August 30, 2024. His contributions to the field of irrigation and water resource management have been invaluable, and he leaves behind a legacy of excellence in research and education.

“ Water Conservation is the culture of our society and the centre of our social thinking ”

— Prime Minister Shri Narendra Modi

Trainings attended by Employees of NERIWALM



1. Dr. Sagarika Patowary participated in Communities of Practice on ‘**Nature-Based Solutions for building Urban Resilience with Gender Lens at Guwahati, Assam**’ on 09th July 2024 and delivered a lecture on “**Ecological Management Practices: A nature-based solution for Water and Sediment Yield from Urban Hilly Watershed**”.
2. Dr. Luna Moni Das and Shri Saurav Bhattacharjee participated in a **Faculty Development Programme (FDP)** at the National Water Academy, Pune, from July 22 to July 26, 2024.
3. Dr. Pradip Kumar Bora, Director of NERIWALM and Shri Uzzal Mani Hazarika attended **CSTI Convention** held on 12th August, 2024 organized by CBC at Vigyan Bhawan, New Delhi.
4. Shri Rajnish Singh and Shri Saurav Bhattacharjee attended a week-long training on “**Hydroclimatic Indices and Extreme Analysis for Climate Change Assessment using Python and R**” from August 12 to August 17, 2024.
5. Dr. Ch Victoria Devi, Dr. Sagarika Patowary, Dr. Luna Moni Das and Bhaskar Jyoti Buragohain participated in one-day workshop on the theme “**Application of Space Technology in Water Resources**” held on 20th August, 2024 at Assam Water Center, Guwahati. Dr. Victoria Devi delivered a lecture and Dr. Sagarika Patowary co-chaired the technical sessions on that day.
6. Shri Binay Krishna Das (successfully participated in an **International Workshop on The Koha Integrated Library Management System** from 28th to 30th August, 2024 organized by The Assam Royal Global University, Guwahati, Assam.
7. Shri Chandan Bhuyan, Shri Rajnish Singh, Shri Saurav Bhattacharjee, and Shri Bhaskar Jyoti Buragohain participated in a three-day online training program on “**Remote Sensing and GIS in Glacier and GLOF Studies,**” organized by the National Institute of Hydrology, Western Himalayan Regional Centre, Jammu, from September 9 to September 11, 2024.
8. Shri Tapash Ranjan Das attended a training program on “**Ground Water Resource Estimation & Introduction to INGRES Software**” from September 9 to September 13, 2024, at the Rajiv Gandhi National Ground Water Training & Research Institute, Nava Raipur Atal Nagar, Chhattisgarh.
9. श्रीमती दीपाली मोहन, आशुलिपिक ने राजभाषा विभाग, गृह मंत्रालय द्वारा भारत मंडपम, नई दिल्ली में 14-15 सितंबर 2024 को अयोजित **हिंदी दिवस एवं चतुर्थ अखिल भारतीय राजभाषा सम्मेलन** में सहभागिता की है।



“Water is the driving force of all nature”

----Leonardo Da Vinci

PUBLICATIONS

1. Das, B., Saikia, M., & Hazarika, M. (2024). Scientific output of ethnomedicine in India during 2019-2023: A bibliometric study. *Annals of Library and Information Studies*, 71(3), 291–301. <https://doi.org/10.56042/alis.v71i3.8919>
2. Das, L. M., & Hodam, S. (2024). Community participation in traditional water management in Assam. *8th India Water Week 2024*, New Delhi, India.
3. Devi, C. V., Hazarika, U. M., Bhuyan, C., & Buragohain, B. J. (2024). Towards effective governance in irrigation management for enhancing people's participation. *8th India Water Week 2024*, New Delhi, India.
4. Hodam, S., Singh, R., & Patowary, S. (2024). Adoption of innovative irrigation technologies for improving water use efficiencies. *8th India Water Week 2024*, New Delhi, India.
5. Hodam, S., Buragohain, B. J., Das, L. M., & Bhuyan, C. (2024). Suitable site selection for construction of water harvesting structures using geospatial technique in East Kameng District of Arunachal Pradesh. *8th India Water Week 2024*, New Delhi, India.
6. Mohan, D. (2024). हमारे सच्चे और अच्छे मित्र पेड़-पौधे- मेहंदी के संदर्भ में [Our true and good friends: Trees and plants, with reference to mehndi]. *पर्यावरण पत्रिका [Environment Journal]*, Ministry of Environment, Forest and Climate Change, Government of India, 72, New Delhi, India.
7. Patowary, S., Singh, R., Bhattacharjee, S., & Hazarika, U. M. (2024). Optimization modelling for sustainable irrigation water management. *8th India Water Week 2024*, New Delhi, India.

Plantation Drive under Plant 4 Mother Campaign

The mass plantation drive was kick-started by planting the first sapling by Hon'ble Secretary, Dept. of Water Resources, RD and GR, Ministry Jal Shakti, Smt. Debashree Mukherjee, on 23rd August 2024. Since then, more than 100 saplings have been planted under this plantation drive within and outside the NERIWALM Campus.



IN-CAMPUS TRAINING PROGRAMMES

Capacity Building Programme for Irrigation Management



📅 1-5 July, 2024 📅 8- 12 July, 2024



Two induction level training programs were conducted for total of 54 newly recruited Junior Engineers (JE) from the Irrigation Department, Government of Assam. Various topics for efficient irrigation management, maintenance and upkeepment of mechanical assets of Irrigation Department etc were delivered by the in-house faculties of NERIWALM and guest resource persons from Irrigation Department.

Two Training programmes on Water Quality Assessment and Management



📅 18 July, 2024 📅 13 August, 2024

Both the programmes proved to be beneficial for 30 participants each and a total of 60 farmers (Jal Mitras) from Nagaon, Assam. The focus of the training programme was on understanding water quality parameters, methods of assessment, and strategies for effective management to support sustainable agricultural practices.

Training programme on Water Resources Management



📅 29 July - 2 August, 2024

The programme benefited 21 officers from the Department of Water Resource river development and Ganga rejuvenation under the Ministry of Jal Shakti. Its purpose was to enhance participants' understanding and skills in managing water resources effectively for sustainable development and river rejuvenation initiatives.

IN-CAMPUS TRAINING PROGRAMMES

Two Induction Training Programmes for AAE/JEs



📅 5-9 August, 2024 📅 19-23 August, 2024



Two induction level training programmes for AAE/JEs of the Agriculture Department of Assam was organized including topic on efficient water management for agricultural use. This programme was beneficial for the 53 participants in two batches. Beside the classroom deliberation the training also included field visit to soil and water conservation sites. The first programme was coordinated by Dr. A.C. Debnath, Professor (WRE) and the second was coordinated by Dr. Ch. Victoria Devi Assistant Professor (SSc).

Training Programme on Stress Management



📅 16 August, 2024

The training was organized with resource persons from Brahma Kumari center, Ketekibari, Tezpur. It featured topics such as Raj Yoga, meditation, and anger management, aimed at promoting mental well-being and emotional balance. The event was attended by 67 officers.

Training Programme on the Basics of Soil Science in Relation to Crop Productivity and Soil Contamination.



📅 28 August, 2024

Attended by 16 farmers, the program aimed to enhance participants' understanding of soil properties, their impact on crop yields, and the prevention of soil contamination to promote sustainable agricultural practices. Participants provide good feedback on inclusion of demonstration of Jivaamrit preparation and micro irrigation setup in the training.

IN-CAMPUS TRAINING PROGRAMMES

Training session on NABL Accreditation Processes



6 September, 2024

The session aimed to familiarize participants with the accreditation procedures of the National Accreditation Board for Testing and Calibration Laboratories (NABL), enhancing their understanding of quality standards and compliance in laboratory practices. A total of 12 officers participated in the training.

Training programme on Participatory Irrigation Management

9-11 September, 2024

The Training of Trainers (ToT) programme has benefited 24 women participants, including members of self-help groups (SHG), farmers, and community resource persons (CRP) from the Sukla Irrigation Project. The program aimed to empower women with knowledge and skills in participatory irrigation management.



Training programme on Water Literacy



24 September, 2024

A one-day awareness drive on water literacy for the students was organized with the goal to make India a "water-efficient nation" by raising awareness about water scarcity and establishing rainwater harvesting in all areas of India. 30 students from Tezpur Govt. H.S School participated in the program.

Training Programme on Soil Health Management

25-27 September, 2024

Training Programme on Soil Health Management was held at NERIWALM for the Krishi Sakhis and farmers of Udalguri. It was organised to train the farmers about soil health management, nutrients preparation for enhancing soil health leading to increase of more agricultural production.



“In the Amrit Kaal, India is looking towards water as the future” Water conservation is the culture of our society and the centre of our social thinking”

—Prime Minister Shri Narendra Modi

OFF-CAMPUS TRAINING PROGRAMMES

Soil Health Management



19 July, 2024

Bhalukmari

The event aimed at educating farmers on soil health to enhance soil productivity, ultimately increasing agricultural yields. This event was conducted in collaboration with KVK and was attended by 40 farmers from Bhalukmari, Sonitpur, Assam.

Construction of Earthen Dams

28-30 August, 2024 Agartala, Tripura

The off-campus event was attended by 45 JE/AE/AEE/EE officers from PWD (Water Resources, Govt. of Tripura). The session aimed to enhance the technical knowledge and skills of the officers in the design, construction, and maintenance of earthen dams for improved water resource management.



Multiple Cropping and Water Management

9 September, 2024 Tamulpur

10 September, 2024 Tamulpur



Two programs were organized at Tamulpur, aimed to educate farmers on optimizing crop production through multiple cropping techniques and efficient water management strategies to improve agricultural sustainability which was attended by 39 and 41 farmers on 9th and 10th September, 2024 respectively.

INPLANT TRAINING FOR DIPLOMA, B.E/B.Tech STUDENT

A total of 9 inplant programmes were organized by the institute. These were aimed to develop skills and to make students fit for demonstrating the responsibilities effectively in their professional career, inplant programs are organized by the institute for BE./B.Tech/Diploma students. These programmes are also a part of the academic curriculum. In July and August of 2024, 9 weeks inplant training program was organized during the period July to September 2024. 10 students of Assam University, Silchar, and 58 Students of NERIST, Arunachal Pradesh, 128 students of CAEPHT, Sikkim and 46 Polytechnique students of Chirang Polytechnique and POWEIT, Jorhat benefitted form these programs. The following modules were conducted

- ◆ Basic of report preparation and presentation (1-5 July, 2024) (8-12 July, 2024)
- ◆ Micro irrigation ,water and soil conservation (1-5 July, 2024) (15-19 July,2024) (5-9 August, 2024) (19-23 August, 2024)
- ◆ Survey and design of irrigation project and water quality (22-26 July, 2024)
- ◆ Volumetric water measurement, computation of irrigation efficiency and socio-economic aspects (12-16 August, 2024) (26-30 August, 2024)



जल शक्ति मंत्रालय
MINISTRY OF
JAL SHAKTI



NATIONAL SEMINAR ON ADVANCES IN IRRIGATION TECHNOLOGIES AND MANAGEMENT

Towards Achieving Sustainable Development Goals

CALL FOR PAPERS

DATE: 29-30 November 2024

**VENUE: Assam Water Centre,
Guwahati**

Organized by:

North Eastern Regional Institute of Water and
Land Management, Department of Water
Resources, RD & GR, Ministry of Jal Shakti

In Collaboration with

- Central Water Commission
- Central Ground Water Board
- Brahmaputra Board
- National Water Academy, CWC, Pune
- Rajiv Gandhi National Ground Water Training and Research Institute, CGWB, Raipur
- National Institute of Hydrology, Roorkee
- ICAR-Indian Institute of Water Management, Bhubaneswar
- Irrigation Department, Government of Assam



“Water Vision@2047 is an important dimension of the journey of Amrit Kaal for the next 25 years,”
----Prime Minister Shri Narendra Modi

SWACHHATA HI SEVA : Special Campaign 4.0

NERIWALM has participated actively in various activities under Swachhata Hi Sewa 2024 during the period 17th to 30th September 2024. The programme included Swachhata Pledge on 17th September 2024, cleaning activities in the premises of the administrative building, laboratory, quarter's and the hostel's. The cleaning of the surrounding of Shiva mandir within NERIWALM campus was taken on 23rd September 2024. beside this regular collection of waste (both dry and wet) from the house hold, hostel, trainee's hostel of the NERIWALM campus from 17.09.2024 – 30.09.2024 also continued.

The activities are further extended by the mass cleaning drive at Ganesh ghat on 24th September 2024, Dolabari bazar area on 25th September 2024, PWD road of Fooltala on 26th September 2024, awareness programme Swachhta Hi Sewa programme at Surjyodaya High School, Tezpur on 27th September 2024 and cleaning of Mahabhairab temple, Tezpur on 30th September 2024 have also been carried out.



“ The small wisdom is like water in a glass: clear, transparent, pure. The great wisdom is like the water in the sea: dark, mysterious, impenetrable ”

—Rabindranath Tagore

DIRECTOR'S DESK

On 22nd August the institute held its 10th meeting of Executive Council which we consider another landmark in NERIWALM's history. Hon'ble Secretary Smt. Debashree Mukherjee, Addl. Secretary Sri Subodh Yadav, Chairman, Brahmaputra Board Sri Ranbir Singh, Jt. Secretary and Financial Advisor Smt. Richa Mishra, Commissioner Sri Anuj Kanwal, Chief Engineer (BBO) Sri G. L. Bansal and other esteemed members of Executive Council graced NERIWALM fraternity with their presence in the meeting. NERIWALM sincerely thanks all the revered members of the EC for their continuous support in the development of the institute. Hon'ble Secretary also raised the curtain of the very important program, Plant4Mother, by planting the first tree under this program. NERIWALM is gradually progressing towards excellence in many ways. I must complement our staff for their whole hearted involvement in this process. The most important achievement I would like to record that in the last few months, we are receiving multiple requests from farming community and government agencies to conduct trainings. This definitely gives immense satisfaction that as a Capacity Building institute we could do something for the people and therefore the communities look towards us for handholding. This is where success lies.

EDITORIAL BOARD

Chief Editor:

Dr Uzzal Mani Hazarika, Associate 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. Binay Krishna Das (Lib. and Inf. Assist.)

Shri Shuvajit Das, Laboratory Assistant (Engineering)

Ms. Mridusmi Hazarika, Young Professional (Library)

ABOUT NERIWALM

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

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