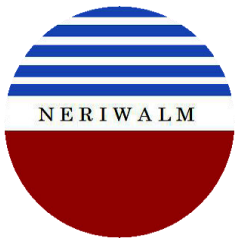


NERIWALM

NEWSLETTER

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अमृत महोत्सव



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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.

"Water is the driver of nature."

Leonardo da Vinci

ACHIEVEMENT

NERIWALM ACCREDITED AS EXCELLENT BY CAPACITY BUILDING COMMISSION



Capacity Building Commission's onsite visit at NERIWALM was held on 11 and 12 June, 2024. The assessor team led by Shri Rajiv Bora IAS (r), Onsite Assessor, CBC briefed on the 2 days onsite process, visited the infrastructure facilities, assess the documents uploaded at the portal and after a thorough assessment, NERIWALM has been accredited as *EXCELLENT* under the CBC's National Standard.

1ST POSITION IN SWACHHATA PAKHWADA AWARD-2024



NERIWALM secured 1st position in Swachhata Pakhwada Award-2024 for its outstanding contribution in Swachhata Activities. The award sponsored by Dept. of Drinking Water and Sanitation was conferred to Director, NERIWALM by Hon'ble, Secretary, DoWR, RD & GR, MoJS on 11 June, 2024 at New Delhi.

IMPORTANT DAYS

WORLD ENVIRONMENT DAY, 2024

📅 5 June, 2024

📍 Sootea



World Environment Day was observed under theme *Land Restoration, Desertification, and Drought Resilience* on June 5, 2024 at Chatiya College, Sootea. NERIWALM officials addressed on ways to restore land and building drought resilience under the slogan “ *Our Land, Our Future. We are #Generation Restoration.*” A plantation drive was made at the college for making awareness of importance of tree by students.

Countdown Program to INTERNATIONAL YOGA DAY 2024

📅 17 June, 2024

📍 NERIWALM



A yoga event with the theme “ *Yoga for Self and Society*” as a countdown program to 10th International Yoga Day 2024, was organized on 17 June, 2024 at NERIWALM in association with District Administration, Sonitpur. The event was participated by 120 participants including staffs of District Administration, NERIWALM and trainees. Also an evening filled with soulful music, sparking wisdom and quintessential mediation performed by renowned artist from Art of Living marked the countdown.

NERIWALM also took active participation in state level celebration of 10th International Yoga Day 2024 at Church Field, Tezpur. Hon’ble Chief Minister of Assam, Shri Himanta Biswa Sharma along with other delegates graced the Yoga programme.

OFF CAMPUS

WATER QUALITY MONITORING



📅 26 April, 2024 📍 Chariduar , Assam

This training programme was organized by NERIWALM, Tezpur in collaboration with Nobomilan FPC, Chariduar, Sonitpur for tribal farmers from Chariduar area. A total of 36 participants took part in the programme, where farmers acquired knowledge about various concepts and techniques concerning the monitoring and testing of water quality.

FIELD DAY ON “ WATER RESOURCE MANAGEMENT”



📅 9 May, 2024 📍 Bhalukpong , Assam

A field day programme was organized at Bhalukpong area for tribal farmers. 26 participants took part in the programme where farmers mainly acquired knowledge on crop management in traditional irrigation system, community management of water resources , water conservation strategies and hydraulic criteria for river training works. Water scarcity problem and structures for water conservation were also discussed.

WATER QUALITY MONITORING



📅 21 May, 2024 📍 Morigaon , Assam

This training programme was organized by NERIWALM, Tezpur in collaboration with Yangli FPC, Morigaon on Water Quality Monitoring. A total of 46 participants mainly farmers took part in the programme and the topics covered in the programme were water quality and quantity management in irrigated farms, water quality monitoring, demonstration of in-situ water quality testing and interpretation.

PARTICIPATORY IRRIGATION MANAGEMENT



📅 22 May, 2024 📍 Bakulguri, Assam
📅 23 May, 2024 📍 Suagpur VDC, Assam

Two training programmes on PIM (Suklai Irrigation project) were organized at Bakulguri village and Suagpur VDC, targeting farmers of Suklai Irrigation Project, Baksa. A total of 100 farmers took part in these programmes where participatory irrigation management, role of water users association and multiple cropping in irrigated command were discussed.

PARTICIPATORY EVALUATION



Under the Project “ Good Water Management Practices in NE India for Better Basin Management” funded by Brahmaputra Board NERIWALM conducted workshop on “Participatory Evaluation” in three places . A total of 30 beneficiaries participated in these workshops. During the workshop the outcome of the fish farming, paddy cum fishery, piggery and polyhouse were evaluated and recorded. A videography coverage was also done to record the feedbacks and outcomes of the project.

📅 30 April, 2024 📍 Ziro, Arunachal Pradesh

📅 1st May, 2024 📍 Yachuli, Arunachal Pradesh

📅 2nd May, 2024 📍 Pakke Kesang, Arunachal Pradesh

IN CAMPUS

IRRIGATION WATER MANAGEMENT

📅 15 May, 2024



A one-day workshop on “ Irrigation Water Management” was organised by NERIWALM for the officers of Irrigation Department, Govt. of Assam for better knowledge and skills in irrigation water management. The status of irrigation projects such Jamuna, revival of Kaliabhomora lift irrigation and execution of non-structural part of Dhansiri & Champamati irrigation projects were discussed.

SOLAR POWER DRIP IRRIGATION

📅 28 May, 2024

A one day training program on “ Solar Power Drip Irrigation” was held at NERIWALM, a total of 25 participant farmers benefitted from the training programme. The session mainly covered topics related to water harvesting and management, concept of micro irrigation and field demonstration of solar operated and sprinkler operated drip irrigation at NERIWALM research farm.



INDUCTION TRAINING PROGRAMME

10-21 June, 2024

NERIWALM organised 2 weeks induction training programme at Tezpur for 27 newly recruited Multi Tasking Staffs of Brahmaputra Board, DOWR, RD & GR, MoJS recruited through Staff Selection Commission (SSC). Computer operation, photography, videography, social media handling, stress and time management were delivered with hands on practices during the programme.



24-28 June, 2024

SOFT SKILLS DEVELOPMENT



To acquaint MTS with various skills to communicate effectively, collaborate with team members, understand and manage their emotions for effective office management and personality development, a one week training on "Soft Skills Development" was organised by NERIWALM at Tezpur which was participated by 28 Multi Tasking Staffs of DoWR, RD & GR, Ministry of Jal Shakti, Govt. of India.

INPLANT TRAINING FOR B.E/B.Tech STUDENT

To develop skill and to make students fit for demonstrating the responsibilities effectively in the professional career, internship programmes are organised by the institute for BE./B.Tech students. The internship is also a part of the academic curriculum. In the month of June, 2024, 4 weeks/1 month inplant training programme was organised for 39 students of Agricultural Engineering Department of Assam University, Silchar and NERIST, Arunachal Pradesh. The following modules were conducted with classroom deliberations, hands on practices, demonstration and field exposure:

- ◆ Micro irrigation, water and soil conservation (3-7 June, 2024)
- ◆ Volumetric water measurement, computation of irrigation efficiency and socio economic aspects (10-14 June, 2024)
- ◆ RS and GIS application in irrigation, land and water management (18-21 June, 2024)
- ◆ Survey and design of irrigation project



IMPORTANT VISITS

Visit of Chairman, Brahmaputra Board

📅 9 May, 2024

📍 NERIWALM



Dr. Ranbir Singh, IAS(r), Chairman, Brahmaputra Board visited NERIWALM on May 9, 2024. The Chairman had a meeting with staffs in which Dr. Pradip Kumar Bora, Director presented an overview of the activities of NERIWALM. Director, NERIWALM discussed the progress of project activities sponsored by Brahmaputra Board and other collaborative research activities with Brahmaputra Board. Chairman, Brahmaputra Board also visited the laboratory and other infrastructure and commended that both organisations will work together to meet our mission. He applauded NERIWALM for reaching technology based solutions to the farmers and informed that more development and efficient management of water and land can be brought with all time learning, teaching, research and a leadership mindset.

Meeting of IEWP action Phase 3 with EU representatives

📅 10 May, 2024

📍 NERIWALM



India-EU Water initiative team headed by Dr. Vikrant Tyagi, Programme Manager, IEWI, GIZ, India held a meeting on May, 10, 2024 with Dr. Pradip K Bora, Director and faculties of NERIWALM to define the scope of activities in technical trainings and capacity building. IEWI, a collaborative initiation between European Union and Ministry of Jal Shakti, Govt. of India aims to enhance political and strategic framework for more effective cooperation between EU and India on water management issues. It was decided that NERIWALM will collaborate in Inception Phase which focus on developing Action Plan for Phase 3.

ASSESSMENT OF SOIL AND WATER TESTING LABORATORY BY NABL

 8-9 June, 2024

Smt. Rekha Dhanasekaran and Shri Ashutosh Debnath, Assessors from National Accreditation Board for Testing and Calibration Laboratories (NABL) inspected Soil and Water Testing Laboratory of NERIWALM on 8 and 9 June, 2024 for the final phase of NABL assessment. After the compliances and clearance of the assessment the Soil and Water Testing Laboratory of will be accredited with NABL.



MEMORANDUM OF UNDERSTANDING

NERIWALM and IIWM, ICAR

 12 May, 2024

An MoU has been signed between NERIWALM and ICAR– Indian Institute of Water Management, Bhubaneshwar on 12 May, 2024. The parties having field of common research interests and allied activities in water sector, have decided to enter into this long term collaboration for promotion of students training and quality postgraduate research in the field of Agriculture water management.



 03 June, 2024

NERIWALM and NERIST



An MoU has been signed between NERIWALM and NERIST, Arunachal Pradesh on 3rd June, 2024 at NERIST, Arunachal Pradesh in presence of Dr. Pradip Kumar Bora, Director of NERIWALM and Prof. Narendranath S., Director of NERIST. The MoU recognizes either institutes as knowledge partner with broad areas of interest of research and development.

INDUCTION TRAINING FOR NERIWALM STAFFS

GROUNDWATER DEVELOPMENT AND MANAGEMENT

18-22 June, 2024  RGNGWTRI, Raipur

Nine newly recruited NERIWALM officials completed a successful one-week induction training on "Groundwater Development and Management" at the Rajib Gandhi National Ground Water Training and Research Institute in Raipur, gaining essential knowledge in the field .



OVERVIEW OF WATER RESOURCES SECTOR IN INDIA

24-28 June, 2024  NWA, Pune



Eight newly recruited NERIWALM officials successfully completed a one-week induction training programme on "Overview of Water Resources Sector in India" at National Water Academy, Pune gaining essential knowledge and hands on experience on relevant fields.

Publication

Hazarika P P and Medhi B K. (2024). Greywater- characteristics and reuse. Iterative International Publishers, Karnataka

On AIR

Ms. Rimpa Das, Research Associate (Agri.) was on AIR sharing her knowledge and expertise on Land restoration, desertification and drought resilience' on the occasion of World Environment Day in Akashbani Tezpur on 05.06.2024 at 8.00 pm.

NEW RECRUITMENT

Mr. Mrinal Konwar joined as Deputy Director (Admin) on deputation on 2nd May, 2024

Mr. Tapas Ranjan Das joined as Assistant Professor (WRE) on deputation 27th June, 2024

Conference Attended

11- 12 June, 2024  Assam Water Centre

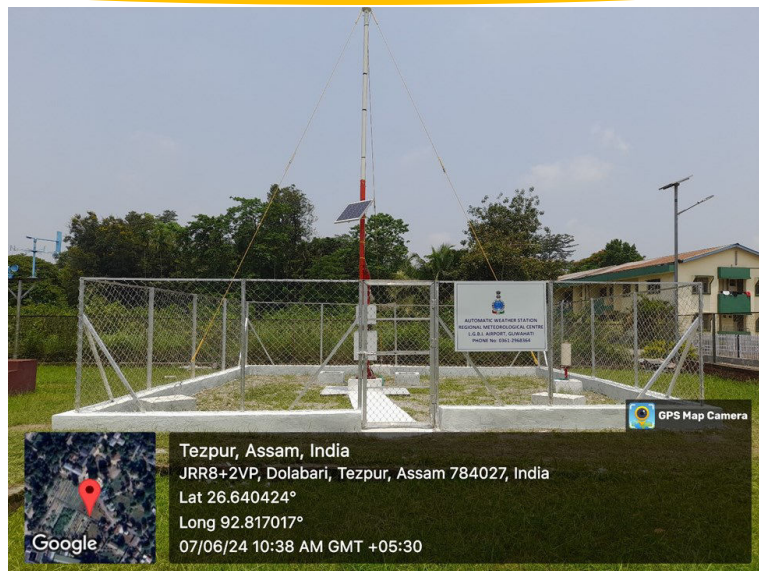
Dr. Sagarika Patowary, Assistant Professor (WRE) and Dr. Prianka Paul Assistant Professor (WRE) participated Regional conference on 'Nature Based Solution' organized by FREMAA on 11 and 12 June, 2024 held at Assam Water Center, Guwahati.

MICRO IRRIGATION SET

Well Equipped Micro Irrigation setup is being installed in Research Farm of NERIWALM, it comprises of both drip and sprinkler irrigation. The filtration unit of the setup consists of components like Hydro cyclone separator, media filter and disc filters. Water quantization is done through Clock type water flow meter. Fertigation unit is clubbed with the conveyance systems. Valves like ARV, NRV, PRV, Control Valve fitter with rises pipe and conveyance system for smooth functioning of the system. A total of 2500 nos. of plats are targeted to irrigated from the system. 06 nos. of Portable sprinkler of Quick release coupling (QRC) type of sprinkler with wetting radius of 8 to 10 m are installed at one of the cultivation plot and provision for mini sprinklers is also kept for need based usage.



AUTOMATIC WEATHER STATION



Automatic Weather Station (AWS) has been installed in collaboration with India Meteorological Department (IMD) which aims to enhance the precision and reliability of weather data, which is crucial for agricultural planning, water resource management, and disaster preparedness. The AWS is equipped with advanced sensors capable of measuring a range of meteorological parameters including temperature, humidity, wind speed and direction, rainfall, and atmospheric pressure. The data from the AWS is integrated with IMD's existing network, contributing to a comprehensive weather monitoring system. This collaboration enhances the overall meteorological capacity of the region.

The earth, the air, the land, and the water are not an inheritance from our forefathers but on loan from our children. So, we have to handover to them at least as it was handed over to us."

- Mahatma Gandhi

DIRECTOR'S DESK

This quarter has been a very important period for NERIWALM. The collective efforts of our staff brought few important achievements which we can cheer about. NERIWALM could achieve the top spot in Swachhata Abhiyan among the organizations under the Ministry of Jal Shakti for the year 2023-24. NERIWALM has also been evaluated by expert committee under the framework of National Standard for Civil Services Training Institute, Capacity Building Commission, Govt. of India. After onsite evaluation the institute has been awarded with four star (Excellent) grade, which is quite a remarkable achievement. The institute could score 100% marks on the pillars viz. Training Needs Achievement and Collaboration. However, institute has to improve on the pillars viz. faculty development programmes and digital resources to become an outstanding training institute, for which we are sincerely working on. The institute with the combination of experiences and fresh ideas has all the potential to rise to any level of excellence. The onsite evaluator team for NABL accreditation has also completed its process in the last quarter. With the compliance of the few minor NCs, the institute is all set to get NABL certification for its Water Testing Laboratory. I congratulate all the employees of NERIWALM for these achievements. This is primarily due to their dedication and sincerity towards the institute.

STUDENTS ACHIEVEMENT

1. **Ms. Papori Das** an alumni of NERIWALM selected for Ph.D. under Civil Engineering Department in NIT, Meghalaya.
2. **Shri. Ashish Saha**, (M. Tech 2021 batch) selected as Research Scientist in NESAC, Shillong.
3. **Shri. Abhishek Kumar** (M. Tech 4th semester) selected as Instructor of ITI, Government of Bihar.

EDITORIAL BOARD

Chief Editor:

Dr A. C. Debnath, Professor (WRE)

Editors:

Dr. Ch. Victoria Devi, Assistant Professor (S.Sc)

Dr. Sagarika Patowary, Assistant Professor (WRE)

Dr. Luna Moni Das, Assistant Professor (S.Sc)

DESIGNING TEAM:

Miss Rimpa Das, Research Associate (Agri.)

Shri Binay Krishna Das, Library & Information Assistant

Shri Shuvajit Das, Laboratory Assistant (Engineering)

CALL FOR M.Tech. ADMISSION FOR THE SESSION 2024-25

North Eastern Regional Institute of Water and Land Management (NERIWALM), Tezpur invites application for admission in **M.Tech. (Water Resource Management)** (approved by AICTE and affiliated to Assam Science and Technology University (ASTU), Guwahati) for the session 2024-25. **Approved intake by AICTE is 18.** Reservation is applicable for SC/ST/OBC/EWS as per Govt. of India Rules. Reservation for in-service candidate of North East states shall be made as per decision of Executive Council of NERIWALM. Interested candidates may apply in prescribed format along with supporting documents on or before **17th July, 2024.**

Admission brochure containing detail information, link for online application are available in the institute website <https://neriwalm.gov.in>



**ADMISSION for M.Tech in
BROCHURE Water Resource Management**
Approved by AICTE
Affiliated to
Assam Science & Technology University (ASTU)
Guwahati

North Eastern Regional Institute of Water and Land Management
An Institute under the Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Government of India
Dolabari, P.O. Kaliabhomora, Tezpur - 784027, Assam, India
<https://neriwalm.gov.in>

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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