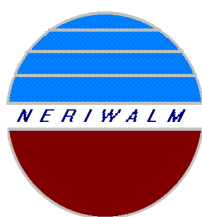


April, 2023



NERIWALM

# NEWSLETTER



NORTH EASTERN REGIONAL INSTITUTE OF WATER AND LAND MANAGEMENT  
DEPARTMENT OF WATER RESOURCES, RD & GR, MINISTRY OF JAL SHAKTI,  
GOVERNMENT OF INDIA  
TEZPUR, ASSAM

“में उन सभी लोगों और संगठनों की सराहना करना चाहता हूं, जो जल संरक्षण के लिए काम कर रहे हैं”

----- नरेंद्र मोदी, भारत के माननीय प्रधान मंत्री ।



PRESIDENT, GOVERNING BODY OF NERIWALM SOCIETY



VICE PRESIDENT, GOVERNING BODY OF NERIWALM SOCIETY

## GOVERNING BODY MEETING

### 4TH GOVERNING BODY MEETING HELD ON 3RD MARCH 2023 ON HYBRID MODE

The meeting was Presided over by Shri Gajendra Singh Sekhawat, Hon'ble Minister of Jal Shakti, Govt. of India & President, Governing Body of NERIWALM Society. The meeting was also graced by the participation of Shri Bisheswar Tudu, Hon'ble Minister of State, Ministry of Jal Shakti, Govt. of India & Vice President, Governing Body of NERIWALM Society and Shri Tage Taki, Hon'ble Minister of Agriculture, Govt. of Arunachal Pradesh AND Member, Governing Body of NERIWALM. The meeting was also attended by Shri Rajiv Yadav, IAS (Rtd), Chairman, Brahmaputra Board, Shri Navin Kumar, CWES, Member, CWC, DoWR, RD & GR, Gol, Shri Anand Mohan, Joint Secretary (RD & PP), DoWR, RD & GR, Gol, Shri F L Khobung, IFoS, Joint Secretary, MoA, Gol, Shri Angshuman Dey, IFoS, Joint Secretary, Ministry of DoNER, Gol, Shri A. K. Kharya, CWES, CE, EMO, CWC, DoWR, RD & GR, Gol, Ms. T.S. Anitha Shyam, Member, CGWA, DoWR, RD & GR, Gol, Dr. Pradip Bora, Director, NERIWALM and other officers representing Hon'ble members of the Governing Body of NERIWALM Society.

जल संरक्षण के लिए जन भागीदारी की सोच को जनता के मन में जगाना होगा

----- नरेंद्र मोदी, भारत के माननीय प्रधान मंत्री ।



## TECHNICAL ADVISORY COMMITTEE MEETING

9th Technical Advisory Meeting was held on 24th March, 2023 on Hybrid Mode:

Key highlights of the decisions are:

1. Training Calendar of FY 2023-24 was approved.
2. Approved the proposal to organize collaborative training programmes with NWA, RGNGWT&RI and NEHARI at NERIWALM and NEHARI premises.
3. Recommended for adopting necessary steps, (like appointment of domain experts, inviting representative experts of major water industries of India for participating in TAC meeting, as per discussions held, for compliance of Action Plan suggested by Capacity Building Commission of Govt. of India.
4. Recommended the proposal to collaborate with the National Institutes of high esteem like (a) IIM working in water sector, (b) ISTM for administrative training, (c) WRDM, IIT Roorkee in addition to sister organizations like NWA, NIH, RGNGWT&RI, CWPRS and CSMRS.
5. Recommended that a structured mechanism may be developed for faculty interaction with national and international subject matter experts, private sector experts, and academicians.
6. Limited Workshops may also be proposed to organize among trainers of the country, on key topics to promote existing schemes of DoWR, RD & GR.

### **Directors Desk**

Reaching out the stakeholders is paramount for an institute like NERIWAM. With the objectives of water education, its primary responsibility is knowledge dissemination. There may be multiple ways to reach out the people concerned. Though social media is becoming the most influential medium, the traditional means are equally having the desired impact in the society. While regular events, activities, news, etc. are being highlighted through YouTube, Facebook, Tweeter; Newsletter gives us the opportunity to consolidate the information for a particular period and has relatively more lasting effect in stakeholders' minds. One can also keep tab of all happenings in an organisation through regularly published Newsletter. Considering the importance of Newsletter, NERIWALM has decided to start publishing again its Newsletter from this quarter. The Newsletter will be in both hard copy (limited copies) and e-Newsletter formats so that we can circulate it to maximum possible stakeholders. The glimpse of NERIWALM and its activities highlighted in Newsletter may bring this institute much closure to the stakeholders including the state governments.

I appreciate Prof. A. C. Debnath and his team working for the Newsletter of NERIWALM and their sincere effort for overall development of the institute.

Pradip K Bora

Director & Publisher

### **NEWS & EVENTS**

- World Water Day was observed on 22nd March 2023
- Shri Vinod Kr. Gupta, Under Secretary, Department of Water Resource, RD and GR, Ministry of Jal Shakti, Govt. of India visited NERIWALM.
- Shri A.K. Sharma, served as Deputy Director, and Assistant Professor in Computer Science and he joined the institute on 12.07.1995 and retired from the institute on 31.12.2022.
- Shri Ghanna Kanta Nath, joined the institute on 29.02.1992, he has served the institute for a period of 31 years and retired from the institute on 28.02.2023.
- Shri Chandan Bhuyan has joined as Research Associate (S.Sc.) on 31.03.23.
- Shrimati Rina Sinha joined as Office Superintendent

### **EDITORIAL BOARD**

Chief Editor: Dr A. C. Debnath, Professor (WRE)

Editors:

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

Dr. Sagarika Patowary, Assistant Professor (WRE)

Dr. Luna Moni Das, Assistant Professor (SSc)



## International Event

Hydro-meteorological Observation

Organised during 06.02.2023 to 17.02.2023

## International Training Programme

International Training programme on Hydro-meteorological Observation for Flood Warning Section (FWS), organised during 6.02.2023 to 17.02.2023 for 15 Officers of TMO (Gol program), Hydrology and Water Recourses Division, National Centre for Hydrology and Meteorology, Royal Government of Bhutan participated in the training which included class room sessions and exposure visits to Cherrapunjee, Majuli, CWC station at Tezpur, local trip, CWC water testing lab at Guwahati, NEHARI, IWAI port at Pandu.

जल संरक्षण से जुड़े अभियानों में हमें जनता जनार्दन को, सामाजिक संगठनों को और सिविल सोसायटी को ज़्यादा से ज़्यादा जोड़ना होगा ----- नरेंद्र मोदी, भारत के माननीय प्रधान मंत्री ।

### *Watershed & Springshed Management*

NERIWALM organised Regional Level Training programmes , Symposiums on Watershed Management and Springshed Management to benefit 427 officers of the eight North Eastern States of the country during 2022-23.



### *Off-Campus Training Programmes*

NERIWALM organised 31 number of Off-Campus Training programmes at different locations of the eight North Eastern States of the country during 2022-23, whereas 07 number of programmes were organized during last quarter of 2022-23.



### *In-campus Training Programmes*

NERIWALM organised 34 number of In-Campus Training programmes at different locations of the eight North Eastern States of the country during 2022-23, whereas 08 number of programmes were organized during last quarter of 2022-23.



## Swachhata Pakhwada



Swachhata Pakhwada was observed by NERIWALM by conducting cleanliness drive in the city of Tezpur and distribution of pamphlets among students and citizens, during 16-31 March 2023.

## Horticultural Show



To promote and increase horticultural productivity, a 2 day horticultural show was organized and displayed products of the progressive farmers at Tezpur city on the patronage of district administration. Response received from local people are highly encouraging.

## World Water Day



World Water Day was observed on 22nd March 2023 in collaboration with Defence Research Laboratory, Tezpur by organizing a workshop and hands-on demonstration for school children on water quality analysis. The occasion was graced by Dr. Kamboj D., Director, DRL, Tezpur as Chief Guest.

“हम सब मिलकर एक काम कर सकते हैं। हम संकल्प करें कि इस वर्ष प्रतिपदा से अगले वर्ष प्रतिपदा तक, हर जिले में 75 अमृत सरोवर बनाएंगे।“

----- नरेंद्र मोदी, भारत के माननीय प्रधान मंत्री मिशन अमृत सरोवर पर।



## PALTAN (LICHU) PUKHURI, THE AMRIT SAROVAR

Tezpur litchi is receiving widespread international praise for its unique taste and its flavour being accorded the GI tag. An age-old pond at the heart of the town which is popularly known as ‘Lichu pukhuri’ for the several varieties of litchis grown on its bank .

Renowned litterateur Padmanath Gohain Baruah termed today’s lichu pukhuri as ‘Rohdhol Pukhuri’ instead of Paltan Pukhuri. He mentioned that the Paltan Pukhuri was excavated by the Ahom Kings. Subsequently the British army used the Paltan Pukhuri as a source of potable water.

Paltan (Litchi) Pukhuri, Tezpur, is being developed by Tezpur Municipal Board while observing the Amrit Sarovar Mahotsav during 2022, as a part of Azadi Ka Amrit Mahotsav to commemorate India's 75 years of Independence. Now this Amrit Sarovar is becoming a centre of tourist attraction.



ESSAY ON

“INTELLECTUAL PROPERTY AND YOUTH INNOVATING FOR A BETTER FUTURE IN THE WATER SECTOR”

BY HIMADRI BARUAH, M.TECH 4TH SEMESTER

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Water is an essential component of life and holds great significance for all living organisms. It plays a crucial role in terms of both challenges and solutions associated with addressing climate action. Access to clean water and availability of various water technologies are essential for maintaining a healthy lifestyle. Concerns about water scarcity, driven primarily by increasing population demands, have raised awareness about the potential consequences on energy and food production. Meeting these challenges requires comprehensive research in all aspects of water management.

On April 26, World Intellectual Property Day is observed to recognize the role and power of intellectual property (IP) rights in fostering innovation and creativity. Intellectual property protection enables today's youth to bring their ideas to fruition. It is also particularly relevant because many technological advancements occur within engineering departments, thus highlighting the importance of safeguarding intellectual property.

The World Youth Parliament for Water (WYPW) is a global network of passionate young individuals from more than 80 countries. Their collective efforts aim to address water-related issues and advocate for sustainable water management.

Intellectual property considerations play a crucial role in determining the cost and affordability of technologies, especially in developing nations. The patent lens database analyzes patent applications across five jurisdictions, with China (18051) leading the way, followed by Japan (13024), the USA (8037), and the European Union (4922). India (121) is in need of an IP-related technology policy to ensure access to clean drinking water for impoverished communities in rural areas. Investing in technology upgrades and acquiring new technologies is a long-term solution under the Urban Development Programme for the country.

There can also be water quality monitoring programs conducted in schools to teach children the concept of reporting on the “State of the environment” by raising awareness of water quality issues and providing skills to monitor water quality. Given today's accelerated pace of technological development and the slow pace of social development; it seems likely that the biggest issue or constraint in the future will remain what it is today. If we want to bring any real change, there are no shortcuts; we need to work at the grassroots level. Working as a team in all development challenges to provide sustainable solutions for a better future in the water sector will be more beneficial.

NB: In the context of IPR

North Eastern Regional Institute of Water and Land Management (NERIWALM), is an registered autonomous society of Department of Water Resources, RD & GR, Govt. of India, established on 23rd December, 1989 at Tezpur in Assam. This institute is to provide the need-based technical services in the area of water and land management to all the eight member states of North Eastern Region of India.



NERIWALM is governed by two tier Councils - the Governing Body and the Executive Council. The Governing Body is a higher level body and the Executive Council comes under the subordination of the Governing Body. This body is headed by President, the Hon'ble Minister of Jal Shakti, Govt. of India and Vice President, the Hon'ble Minister of State, Ministry of Jal Shakti, Govt. of India. The members of this body are the Hon'ble Ministers of Water Resources/ Irrigation and Hon'ble Minister of Agriculture of eight North East States of India. The Senior level officers of DoWR, RD & GR, Govt. of India including Secretary, JS (Admin), JS (RD&PP), Secretary, DoNER, GoI, Secretary, Ministry of Agriculture & Farmers Welfare, GoI, Advisor, NITI Aayog, Chairman, CWC, DoWR, RD & GR, GoI, Chairman, Brahmaputra Board, Chairman, CGWB, GoI, Director, IIT, Guwahati, Vice Chancellor, ASTU, Guwahati, Director, ICAR-NER, Shillong and Chief Engineer, BOBO, CWC, Shillong are also the members of this body. The Director of the institute is the Member-Secretary.

The Governing Body lays down broad policies and the directives required for undertaking various technical and scientific activities included in the mandates of the institute. The Governing Body meeting is held once in a year, for monitoring the physical progress of the institute's mandatory activities and suggest corrective actions, if required. It also ratifies the amendments made in the Bye-Laws of the institute as may be suggested from time to time by the Executive Council. The Executive Council is headed by Chairman, the Hon'ble Secretary, DoWR, RD & GR, MoJ, Govt. of India and members are Secretaries of Water Resources/ Irrigation of 8 NE States, JS (Admin), JS (RD&PP), JS & FA, of DoWR, RD & GR, MoJ, other high level officers of Important Departments, Institutes/ organizations operating in NE Region.

The basic objective of the institute is to increase the agricultural productivity of North East region of India upto the national average rate and even beyond that by efficient and optimal utilization of the water and land resources. In this endeavour, all out attempts are to be made to ensure that traditional agricultural practices be modified with the latest scientific input which could be effectively used in this region for making agricultural production self-sustainable. In order to achieve this objective various mandatory activities, right from dissemination of scientific and technical know-how programmes to application of the latest scientific methods suitable to site specific condition of this region, are required to be taken up by the institute. These activities have been included under the mandates of the institute.

Director

## **NORTH EASTERN REGIONAL WATER AND LAND MANAGEMENT**

Department of Water Resources, RD & GR

Ministry of Jal Shakti, Government of India

(Registered under Societies Registration Act, 1860)

Dolabari, Kaliabhomora-784027

Tezpur, Assam