



**NERIWALM**

# **TRAINING CALENDAR , 2023-24**



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

**Department of Water Resources, River Development & Ganga Rejuvenation  
Ministry of Jal Shakti,  
Government of India**

## PREFACE

*The North Eastern Regional Institute of Water and Land Management (NERIWALM) is an institute under Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, Government of India and registered under Societies Registration Act, 1860. It was established on 23rd December 1989 as a registered society under the aegis of North Eastern Council, Ministry of Home Affairs, Government of India. On 1st April, 2012 an MoU of transfer was signed between MoWR, RD and GR and NEC and presently NERIWALM is under Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India.*

*Since inception it has benefitted 41,219 persons and conducted 1170 capacity building programmes in water and land management under international, national, regional and state level collaboration. The institute caters the need of all the NE states namely Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim for capacity building in the field of water and land management for irrigation and land development. Its sphere of activities normally cover the professionals working in the Departments of irrigation/water resources, agriculture & horticulture, soil & water conservation, rural development, Water Users' Associations (WUAs), farmers and NGOs associated with water and land resource management. With the experiences gained over the years the institute plans for regional level collaborative programme for NE states and skill training programmes for creation of self-employment opportunities for the youths.*

*This Training Calendar is prepared for conducting capacity building programmes in the year 2023-24. The target for the year is set as 65 Nos. In addition to these international, national, regional level/state collaborative training programme, skill, self-financed and medium term training programmes are also listed for providing as per demand from the stakeholders. The institute is also continuing its M.Tech in Water Resource Management for students and in-service personnel and recently introduced Ph.D course*

*NERIWALM has three well-equipped classrooms, Conference hall, Auditorium, Computational Laboratory with Remote Sensing & GIS facilities and other infrastructures like Water and Soil Testing Laboratory, Irrigation Laboratory, Library, Agro-meteorology Station, Research Farm, Guest house and Trainees' Hostel.*

  
(Pradip Kumar Bora)  
Director

## TRAINING COURSES PROPOSED TO CONDUCT DURING FY 2023-24 BY NERIWALM

Sl.No.	Subject/Title
1	<i>Planning of irrigation water management</i>
2	<i>Water Use Efficiency</i>
3	<i>Water Budgeting</i>
4	<i>Preparation of surface minor irrigation scheme</i>
5	<i>Barrage and Design of Water Resource Structure</i>
6	<i>Participatory Irrigation Management</i>
7	<i>Water Management in Tube well Command Area</i>
8	<i>Micro Irrigation management</i>
9	<i>Survey and Design of Irrigation Project &amp; Socio Economic Aspects</i>
10	<i>Volumetric water measurement in command area</i>
11	<i>PMKSY- Per drop more crops (drip irrigation)</i>
12	<i>PMKSY- Har Khet Ko Pani (HKKP)- Ground Water Irrigation</i>
13	<i>Irrigation management in PPP Mode</i>
14	<i>Catch the Rain – A Rain water Harvesting Campaign</i>
15	<i>Public relations with effective communication</i>
16	<i>Watershed management</i>
17	<i>Overview of Water Sector</i>
18	<i>Geobag and geotextile application in water resource management</i>
19	<i>Remote Sensing and GIS application in development and management of command area</i>
20	<i>Water quality Monitoring</i>
21	<i>Raising and management of nursery</i>
22	<i>Water management and Organic farming</i>
23	<i>Water less requirement crop production (mushroom)</i>
24	<i>Demonstration of Solar Power Drip Irrigation</i>
25	<i>Soil health management</i>
26	<i>Soil and Water Conservation and Management</i>
27	<i>Basics of soil science in relation to crop productivity and soil contamination</i>
28	<i>Multiple cropping and water management</i>
29	<i>Workshop and flower culture and horticultural show</i>
30	<i>Water Literacy for farming community</i>
31	<i>Basic Learning Workshop</i>
32	<i>Participatory Planning of Command area Activity</i>
33	<i>Leadership Development In Irrigation Management</i>
34	<i>Long term training programme on WRM: Needs and strategy</i>
35	<i>Vigilance – Integrity a way of life-</i>
36	<i>Good agriculture practices</i>
37	<i>Precision agriculture</i>
38	<i>WUA in Canal Operation and Maintenance</i>
39	<i>Ground water development and management</i>

Sl.No.	Subject/Title
40	<i>Water Literacy for farming community-a pertinent issue</i>
41	<i>IWM for summer paddy</i>
42	<i>Water literacy for High school students</i>
43	<i>Planning and Design of small irrigation projects in hilly areas</i>
44	<i>Soil survey and analysis in irrigated agriculture</i>
45	<i>Sustenance of WUA and Farmers Associations through Credit and Thrift activity</i>
46	<i>Workshop on Training needs in Water resource management</i>
47	<i>Construction of Earthen Dam</i>
48	<i>Hydrological Modelling</i>
49	<i>Induction Training for NWA officers(5days)</i>

### TRAINING CALENDAR FOR FY 2023-24 OF NERIWALM

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
<b>1<sup>ST</sup> QUARTER (APRIL, 2023- JUNE, 2023)</b>						
1	Participatory Irrigation Management	11-12 April,2023	Farmers/WUAs	Tezpur	In- campus	Dr. Ch. Victoria Devi/ Dr L M Das
2	Catch the rain-A Rain Water Harvesting Campaign	18-19 April,2023	Farmers organisation/ Beneficiaries of Arunachal Pradesh	Tezpur	In- campus	Dr.S Hodam
3	Water quality Monitoring (Special campaign for children)	19 April, 2023	Stakeholders of tribal area /Students	Tezpur	Off-campus	Shri M. Nath
4	Soil Health Management	20-21 April,2023	Farmers	Tezpur	In-campus	Dr Bangshidhar Kalita
5	Hydrological Modelling	24-28 April,2023	Students	Tezpur	In-campus	Dr. U. M. Hazarika
6	Water Budgeting	27-28 April, 2023	JE/AE/AEE/ Officers of Irrigation Dept/ WRD	Tezpur	In-campus	Dr. S. Hodam
7	Water Management in Tube well Command Area	2-3 May ,2023	Farmers organisation/Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr. P K Bora
8	Water Literacy for High School Student	4 May,2023	Stakeholders of tribal area/children	Itanagar	Off-campus	Shri M. Nath
9	PMKSY – Per drop more crops (drip irrigation)	9-10 May 2023	Officials of Irrigation Dept/ WRD/Agriculture Dept.	Tezpur	In-campus	Dr. U. M. Hazarika
10	Water management in Organic farming	15-16 May, 2023	Farmers	Tezpur	In-campus	Dr. Bangshidhar Kalita
11	Planning of irrigation water management	18-19 May, 2023	JE/AE/AEE	Tezpur	In-campus	Dr. A. C. Debnath
12	Soil Health Management	22-23 May, 2023	Farmers	Tezpur	In-campus	Dr. Bangshidhar Kalita
13	Brain storming session on Long term training programme on WRM: Needs and strategy	25 May, 2023	Officers/ Academics	Tezpur	In-campus	Dr.A C Debnath
14	Water Use Efficiency	22-23 May, 2023	Irrigation Department/WUAs /Stakeholders	Tezpur	In-campus	Dr. U. M. Hazarika
15	Participatory Planning of Command Area Activity	30-31 May, 2023	Farmers organisation/Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr.Ch. Victoria Devi

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
16	Survey and Design of Irrigation Project & Socio Economic Aspects (In-Plant Training self-financed)	05-09 June, 2023	BE/B.Tech /M.Tech Students	Tezpur	In- campus	Dr. S Patowary
17	Volumetric water measurement in command area (In-Plant Training self-financed)	12-16 June June, 2023	BE/B.Tech/M. Tech Students	Tezpur	In-campus	Dr. S Patowary
18	Micro Irrigation management (In-Plant Training self-financed)	19-23 June, 2023	BE/B.Tech/ M.Tech Students	Tezpur	In-campus	Dr. S Patowary
19	Remote Sensing and GIS application in development and management of command area (In-Plant Training self-Financed)	26-30 June, 2023	BE/B.Tech/ M.Tech Students	Tezpur	In-campus	Dr. S Patowary
20	Public relations with effective communication	27 June, 2023	Officers	Tezpur	In-campus	Dr. L M Das
<b>2<sup>nd</sup> QUARTER (JULY, 2023- SEPTEMBER, 2023)</b>						
21	Raising and management of nursery	10-11 July, 2023	Farmers	Tezpur	Off -campus	Dr. Bangshidhar Kalita
22	Preparation of surface minor irrigation scheme	13-14 July, 2023	Officers	Tezpur	In-campus	Dr. A. C. Debnath
23	Organic farming and Water management	18-19 July, 2023	Farmers	Tezpur	In-campus	Dr. Bangshidhar Kalita
24	Irrigation Management in PPP mode	25-26 July, 2023	Stakeholders of Irrigation project	Tezpur	In-campus	Dr Ch. Victoria Devi
25	Soil Health Management	27-28 August, 2023	WUAs/Farmers	Dhekiajuli	Off-campus	Dr. Bangshidhar Kalita
26	IWM for summer Paddy	3-4 August, 2023	Officers	Shillong	Off-campus	Shri M. Nath/ Dr P P Hazarika
27	Planning and Design of small irrigation project in hilly areas	8-9 August, 2023	Officers	Tezpur	In-campus	Dr A C Debnath
28	Participatory Irrigation Management	16-17 August, 2023	WUAs/ Farmers	Tezpur	In-campus	Dr. LM Das
29	Participatory Planning of Command area Activity	22-23 August, 2023	Farmers organisation	Tezpur	In-campus	Dr.Ch. Victoria Devi
30	Solar Power in small irrigation project (special campaign for tribal area /children)	1 September, 2023	Stakeholders of tribal area/Students	Dimapur	Off-campus	Dr S Hodam

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
31	PMKSY- Per drop more crops (drip irrigation)	5 September, 2023	Farmers/ Beneficiaries of PMKSY	Meghalaya	Off-campus	Dr. P K Bora
32	Soil and Water Conservation and management	6 September, 2023	Women/Women groups/SHGs	Meghalaya	Off -campus	Dr. S Hodam
33	Induction Training for CWES officers	11-15 September 2023	Officers	Tezpur	In-campus	Dr. U. M. Hazarika
34	Multiple cropping and water management	12 September, 2023	Stakeholders of tribal area/ students	Assam	Off-campus	Dr Bangshidhar Kalita
35	Water Use Efficiency	20-22 September, 2023	Officers	Tezpur	In-campus	Dr U. M. Hazarika
36	Precision agriculture	22 September, 2023	WUAs/ Farmers	Tezpur	In-campus	Shri M Nath
37	Catch the rain-A Rain Water Harvesting Campaign (In Collaboration with RGNGWT&RI)	26-27 September, 2023	Farmers	Assam	In-campus	Dr. U. M. Hazarika
<b>3<sup>rd</sup> QUARTER (OCTOBER, 2023 - DECEMBER, 2023)</b>						
38	PMKSY- Har Khet Ko Pani (HKKP)- Ground Water Irrigation (In collaboration with RGNGWT&RI)	12-13 October, 2023	Stakeholders	Guwahati (NEHARI)	Off-campus	Dr. S Patowary
39	Volumetric water measurement in command area	19-20 October, 2023	Officers	Assam	Off-campus	Dr. U. M. Hazarika
40	Vigilance-Integrity and way of life	1 November, 2023	Staff of NERIWALM & other state and central govt. offices	Tezpur	In-campus	Dr. U. M. Hazarika
41	Water Use Efficiency	2-3 November, 2023	Officers	Mizoram	Off-campus	Dr. U. M. Hazarika
42	Multiple cropping and water management	7-8 November, 2023	Farmers	Arunachal Pradesh	Off-campus	Dr. Bangshidhar Kalita
43	Participatory Irrigation Management	10 November, 2023	Farmers	Tezpur	In-campus	Dr L M Das
44	Overview of Water Sector	20-24 November, 2023	Non-technical Officers of MoWR, RD & GR	Tezpur	In-campus	Dr. Ch. Victoria Devi
45	Regional Workshop on Advances in Irrigation	28-29 November, 2023	Officers of Irrigation/ Water Resources Departments	Tezpur	In-campus	Dr. S. Hodam
46	Brainstorming session on training needs in Water resource	1 December, 2023	Working Engineers of WRD/Irrigation of NER	Tezpur	In-campus	Dr. A. C. Debnath/ Dr. L M Das

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
	management					
47	Catch the rain-A Rain Water Harvesting Campaign	5-6 December, 2023	Stakeholders	Tripura	Off-campus	Dr. U. M. Hazarika
48	Construction of Earthen Dam(In collaboration with NWA)	7-8 December, 2023	JE/AE/AEE/EE of Irrigation/ Water Resource Department	Tripura	Off-campus	Dr. U. M. Hazarika
49	Catch the rain-A Rain Water Harvesting Campaign	11-12 December,2023	Stakeholders	Tezpur	In-campus	Dr. U. M. Hazarika
50	Participatory Irrigation Management	15 December, 2023	Farmers/ WUAs	Tripura	Off-campus	Dr. L M Das
51	Sustenance of WUA and Farmers Associations through credit and Thrift activity	18-19 December,2023	Farmers/ WUAs	Tezpur	In-campus	Dr. Ch. Victoria Devi
52	Soil survey and analysis in irrigated agriculture	20-21 December, 2023	NGOs/ Stakeholders	Tezpur	In-campus	Shri M Nath
53	Water Management in Tube well Command Area	26-28 December,2023	WUAs/ Farmers	Tezpur	In-campus	Dr. Pradip K. Bora
<b>4<sup>th</sup> QUARTER (JANURARY, 2024 - MARCH,2024)</b>						
54	Workshop and and floriculture and horticultural show	24-5 January, 2024	Farmers	Tezpur	In-campus	Shri M. Nath
55	Barrage and Design of Water Resource Structure (In collaboration with NWA)	9 -11 January,2024	JE/AE/AEE of Irrigation Dept	Tezpur	In-campus	Dr. A. C. Debnath
56	Leadership Development in Irrigation Management	16 January,2024	WUAs/NGOs	Tezpur	In-campus	Dr. L M Das
57	Water Quality Monitoring	18 January,2024	Stakeholders of tribal area/ students	Tezpur	In-campus	Shri M.Nath
58	Good Agricultural Practices	23 -25 January, 2024	JE/AE/AEE/EE of Irrigation/Water Resource department	Pakke Kesang	Off-campus	Dr. Bangshidhar Kalita
59	Groundwater development and management and (In collaboration with RGNGWT&RI)	30-31January, 2024	JE/AE/AEE/EE of Irrigation/Water Resource department	Tezpur	In-campus	Dr. P K Bora
60	Water quality Monitoring	6-7 February,2024	Stake Holders	Tezpur	In-campus	Shri M Nath
61	Construction of River Bunds	15-16 February,2024	Officers	NEHARI	Off-campus	Dr S Patowary



Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
62	Dam and spillway design (In collaboration with NWA)	20-21 February, 2024	Officers	NEHARI	Off-campus	Dr S Patowary
63	Preparation of surface minor irrigation scheme	5-7 March, 2024	Officers	Sikkim	Off-campus	Dr. A. C. Debnath
64	Workshop on International Women's Day	8 March, 2024	Women/ Women groups	Tezpur	In-campus	Dr. S Hodam
65	Workshop on World Water Day	22 March, 2024	Stakeholders	Tezpur	In-campus	Dr. S Hodam

*Note: 1. The scheduled Training Programmes of National Water Academy, RGNGWT&RI, which are to be organized at NERIWALM, shall be adequately accommodated as per convenience of both the organizations.*

*2. In addition to the listed 65 programmes more training/awareness/ exposure visit/skill/Internship/Inplant programmes etc. may be organised depending on requests received from clientele Departments, Universities and organization etc. The method of training will be on-line or physical depending upon situation. Dates and venue may be changed as and when necessary.*

### SKILL DEVELOPMENT TRAINING PROGRAMME

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course co-ordinator (s)
1	Solar power STW maintenance	2 weeks	Beneficiaries sponsored by Agril Deptt.	Tezpur	In-campus	Dr.P K Bora
2	Micro irrigation –layout and maintenance	2 weeks	PMKSY-PDMC beneficiaries (Deptt. Of Horticulture )etc.	Tezpur	In-campus	Dr.U.M. Hazarika
3	Operation and maintenance of farm machineries	2 weeks	Farmers, entrepreneurs	Tezpur	In-campus	Dr. Pradip K Bora
4	Basic Computer course	2 weeks	Students, Women groups	Tezpur	In-campus	Dr. Ch. Victoria Devi
5	Use of GIS & Remote Sensing for water resources	2 weeks	Students, researchers	Tezpur	In-campus	Dr. A.C. Debnath
6	EIA and EMP studies	2 weeks	Professionals	Tezpur	In-campus	Dr. S Hodam
7	Surveying using Total station & DGPS	2 weeks	Students, learner	Tezpur	In-campus	Dr. S. Patowary
8	Basics of Social Science Survey	2 weeks	Students, researchers	Tezpur	In-campus	Dr. Ch.Victoria Devi
9	Water sample collection and analysis	2 weeks	Students, researchers	Tezpur	In-campus	Shri M Nath
10	Soil sample collection and analysis	2 weeks	Students, researchers	Tezpur	In-campus	Shri M Nath
11	Mushroom production technology	2 weeks	Farmers, entrepreneurs	Tezpur	In-campus	Shri M Nath
12	Compost making technology and quality testing	2 weeks	Farmers, entrepreneurs	Tezpur	In-campus	Shri M.Nath

*Note: Skill development self- financed training programmes*

### LONG TERM TRAINING PROGRAMME

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus
1	M.Tech in Water Resource Management	2 years	WRD professionals and students	Tezpur	In-campus
2	Ph.D in Water Resource Management	3 years	WRD professionals and students	Tezpur	In-campus

### MEDIUM TERM TRAINING PROGRAMME

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus
1.	Mid duration Internship programme	3-6 months	UG/PG	Tezpur	In-campus
2.	Certificate course on Analysis of Environmental parameters- water quality analysis	3-6 months	UG/PG	Tezpur	In-campus
3.	Certificate course on Analysis of Environmental parameters- soil analysis	3-6 months	UG/PG	Tezpur	In-campus
4.	Certificate course on Water Resource Management	3-6 months	UG/PG	Tezpur	In-campus

### SELF FINANCED TRAINING PROGRAMMES

Sl. No	Title of programmes	Date/ Duratio	Target group	Venu e	In-campus/ Off	Course coordinator
1	In-Plant training (Eng.)	1 -2 months	BE/B.Tech	Tezpur	In-campus	Dr. A.C. Debnath, Dr.U.M. Hazarika
2	In-Plant training (Eng.)	1 month	M.Tech/Research	Tezpur	In-campus	Dr. A.C. Debnath, Dr.U.M. Hazarika
3	In-Plant training (Social Science)	2-4 weeks	BA/MA students	Tezpur	In-campus	Dr. Ch.Victoria Devi
4	In-Plant training (Soil and Water)	2-4 weeks	B.Sc/ M.Sc/ Researchers	Tezpur	In-campus	Shri M Nath

**TRAINING PROGRAMME ON HYDRO-METEOROLOGICAL OBSERVATION  
6-17 FEBRUARY, 2023 AT TEZPUR**

**Organised by  
NORTH EASTERN REGIONAL INSTITUTE OF WATER AND LAND MANAGEMENT, TEZPUR**



**Seating (L to R) Mrs. Jigme Choden, Mrs. Dechen Wangmo, Shri M Nath, Dr. U M Hazarika, Dr. A C Debnath, Dr. Pradip Kr Bora, Mrs. Ugyen Dolma, Mrs. Kinley Tshomo, Dr. Ch Victoria Devi, Mrs. Pema  
Standing (L to R) Dr. Luna Moni Das, Shri Ritu Thakur, Mr. Rinchen Dorji, Mr. Tshering Dorji, Mr. Kharka Bdr. Subba, Mr. Sonam Wangchuk, Mr. Yonten Lobzang, Mr. Tenzin Wangdi, Mr. Dhanapati Rimal, Mr. Khem Raj Sanyasi, Mr. Purna Kumar Poudel, Mr. Kinley Namgyel, Dr. Sagarika Patowary**





For further information, please contact:

Director

**NORTH EASTERN REGIONAL WATER AND LAND MANAGEMENT**

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