

# TRAINING CALENDAR, 2022-23



## **NORTH EASTERN REGIONAL INSTITUTE OF WATER AND LAND MANAGEMENT (NERIWALM)**

**An Institute under the  
Department of Water Resources, River Development & Ganga  
Rejuvenation,  
Ministry of Jal Shakti, Government of India  
(Registered under the Society Registration Act, 1860)**

**Dolabari, P.O. Kaliabhomora  
Tezpur – 784 027**

## PREFACE

*The North Eastern Regional Institute of Water and Land Management (NERIWALM) was established in the year 1989-90 at Dolabari, Tezpur (Assam). The institute is under Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, Government of India and registered under Societies Registration Act, 1860.*

*Since inception it has benefitted 38,669 persons and conducted 1105 capacity building programmes in water and land management. 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 2022-23. The target for the year is set as 65 Nos. In addition to this , 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 course in Water Resource Management for students and in-service personnel.*

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

  
(Pradip Kumar Bora)  
Director

Sl.No.	Subject/Title
1	<i>Planning of irrigation 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 Shallow Tubewell Command Area</i>
8	<i>Farming with Micro Irrigation</i>
9	<i>Survey and Design of Irrigation Project &amp; Socio Economic Aspects</i>
10	<i>Volumetric water measurement, Soil and Water Conservation</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>Rainwater Harvesting</i>
15	<i>Springshed Management</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 irrigation, water and land management</i>
20	<i>Water quality Monitoring</i>
21	<i>Raising and management of nursery</i>
22	<i>Organic farming and Water management</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 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 Conservation and Water management</i>
31	<i>Basic Learning Workshop</i>
32	<i>Participatory Planning of Pilot 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>Skill Training</i>

## REGIONAL LEVEL COLLABORATIVE TRAINING PROGRAMME

Sl. No.	Period	Training Topic	Course Coordinators	Venue
1	6 -8 April, 2022	Watershed Management	NERIWALM	NERIWALM
2	25 -27 April, 2022	Watershed Management	NERIWALM	NERIWALM
3	30 May -1 June, 2022	Watershed Management	NERIWALM	NERIWALM
4	20 -23 July, 2022	Watershed Management	NERIWALM	NERIWALM
5	3 -5 August, 2022	Watershed Management	NERIWALM	NERIWALM
6	17 -19 August, 2022	Watershed Management	NERIWALM	NERIWALM
7	14 -16 September, 2022	Watershed Management	NERIWALM	NERIWALM
8	28 -30 September, 2022	Watershed Management	NERIWALM	NERIWALM
9	10 -12 October, 2022	Watershed Management	NERIWALM	NERIWALM
10	26 -28 October, 2022	Watershed Management	NERIWALM	NERIWALM
11	14 -16 November, 2022	Watershed Management	NERIWALM	NERIWALM
12	28 -30 November, 2022	Watershed Management	NERIWALM	NERIWALM
13	12 -14 December, 2022	Springshed Management	NIH & CGWB	NERIWALM
14	19 -21 December, 2022	Watershed Management	NERIWALM	NERIWALM
15	4 -6 January, 2023	Watershed Management	NERIWALM	NERIWALM
16	30 -01 February, 2023	Watershed Management	NERIWALM	NERIWALM
17	21 -23 March, 2023	Springshed Management	NIH & CGWB	NERIWALM

Note: Training Programme prepared by Brahmaputra Board, NIH to be organized at NERIWALM. These additional Training Programmes along with the Training Programmes being proposed by NWA for NE Region may be incorporated by adequately substituting the Training Programmes of the proposed training calendar as and when needed.

### TRAINING CALENDAR 2022-23 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, 2022- JUNE, 2022)</b>						
1	Participatory Irrigation Management	7-8 April,2022	Farmers/WUAs	Tezpur	In- campus	Dr.Ch. Victoria Devi
2	Water quality Monitoring (Special campaign for tribal/children)	11 April,2022	Stakeholders of tribal area /Students	Tezpur	Off- campus	Shri M. Nath
3	Basic Learning Workshop (Sponsored by Brahmaputra Board under project Good Water Management Practices in Arunachal Pradesh )	18-19 May, 2022	Farmers organisation/ Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr.Ch. Victoria Devi
4	Soil Health Management	19-20 April,2022	Farmers	Tezpur	In-campus	Shri Ritu Thakur
5	Water Conservation and Management (Special campaign for tribal/children)	22 April,2022	Stakeholders of tribal area /Students	Nagaland	Off-campus	Dr.Ch. Victoria Devi
6	Water Budgeting	26-28 April, 2022	JE/AE/AEE/ Officers of Irrigation Dept/ WRD	Tezpur	In-campus	Dr. Sagarika Patwary
7	Demonstration of Solar Power Drip Irrigation (special campaign for tribal area /children)	2 May,2022	Stakeholders of tribal area/children	Itanagar	Off-campus	Shri M. Nath
8	Participatory Planning of Pilot Activity (Sponsored by Brahmaputra Board under project Good Water Management Practices in Arunachal Pradesh )	5-6 May ,2022	Farmers organisation/Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr.Ch. Victoria Devi
9	PMKSY – Per drop more crops (drip irrigation)	9-11 May 2022	Officials of Irrigation Dept/ WRD/Agriculture Dept.	Tezpur	In-campus	Dr. U. M. Hazarika
10	Organic farming and Water management	19-20 May, 2022	Farmers	Tezpur	In-campus	Dr Bangshidhar Kalita

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
11	ToT on Water Quality Monitoring	25-26 May, 2022	NGOs/other stakeholders	Tripura	Off-campus	Shri M. Nath
12	Water less requirement crop production (mushroom)	24 -25 May, 2022	Farmers	Tezpur	In-campus	Shri Ritu Thakur
13	Participatory Irrigation Management	23-24 May, 2022	WUAs/ Farmers	Tezpur	In-campus	Dr.Ch. Victoria Devi
14	Water Use Efficiency in Irrigation	26 - 27 May, 2022	Irrigation Department/WUAs /Stakeholders	Pathshala, Nalbari, Assam	In-campus	Dr. Sagarika Patowary
15	Participatory Planning of Pilot Activity (Sponsored by Brahmaputra Board under project Good Water Management Practices in Arunachal Pradesh )	1-3 June, 2022	Farmers organisation/Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr.Ch. Victoria Devi
16	Survey and Design of Irrigation Project & Socio Economic Aspects (In-Plant Training self-financed)	6-10 June,2022	BE/B.Tech /M.Tech Students	Tezpur	In- campus	Dr. Sagarika Patowary
17	Volumetric water measurement, Soil and Water Conservation (In-Plant Training self-Financed)	13-17 June,2022	BE/B.Tech/M. Tech Students	Tezpur	In-campus	Dr. Sagarika Patowary
18	Micro Irrigation and Water Quality (In-Plant Training self-Financed)	20-24 June,2022	BE/B.Tech/ M.Tech Students	Tezpur	In-campus	Dr. Sagarika Patowary
19	Remote Sensing and GIS application in irrigation, water and land management, AutoCad (In-Plant Training self-Financed)	27 June-1July, 2022	BE/B.Tech/ M.Tech Students	Tezpur	In-campus	Dr. Sagarika Patowary
20	Basics of report preparation and presentation (In-Plant Training self -Financed)	4-6 July,2022	BE/B.Tech/M. Tech Students	Tezpur	In-campus	Dr. Sagarika Patowary
<b>2<sup>nd</sup> QUARTER (JULY, 2022- SEPTEMBER, 2022)</b>						
21	Raising and management of nursery	18-19 July, 2022	Farmers	Tezpur	Off -campus	Shri M. Nath

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
22	Organic farming and Water management	21-22 July, 2022	Farmers	Tezpur	In-campus	Dr. Bangshidhar Kalita
23	Water Conservation and Water Management	26 July, 2022	Women and women's groups	Tezpur	In-campus	Dr. A. C. Debnath
24	Seminar on Irrigation Management in PPP mode	28-29 July, 2022	Stakeholders of Irrigation project	Tezpur	In-campus	Dr. A. C. Debnath
25	Participatory Irrigation Management (Panbari FIP)	3 August, 2022	WUAs/Farmers	Dhekiajuli	Off-campus	Shri B. Dutta
26	Rainwater Harvesting (Jal Shakti Abhiyan)	10-11 August, 2022	Officers of Irrigation Dept/WRD/Soil Conservation/KVKs	Shillong	Off-campus	Dr. U. M. Hazarika
27	ToT on Soil Health Management	17-19 August, 2022	Agriculture Dept/KVK officials (ATM/BTM/)	Tezpur	In-campus	Shri Ritu Thakur
28	Participatory Irrigation Management	23-24 August, 2022	WUAs/ Farmers	Nagaland	Off-campus	Dr. Ch. Victoria Devi
29	Participatory Planning of Pilot Activity (sponsored by Brahmaputra Board under project Good Water Management Practices)	30-31 August, 2022	Farmers organisation/Beneficiaries of Arunachal Pradesh	Ziro, Arunachal Pradesh	In-campus	Dr. Ch. Victoria Devi
30	Demonstration of Solar Power Drip Irrigation (special campaign for tribal area /children)	2 September, 2022	Stakeholders of tribal area/Students	Dimapur	Off-campus	Shri M. Nath
31	PMKSY- Per drop more crops (drip irrigation)	6 September, 2022	Farmers/ Beneficiaries of PMKSY	Shillong, Meghalaya	Off-campus	Dr. Bangshidhar Kalita
32	Water Conservation and water management	8 September, 2022	Women/Women groups/SHGs	Lakhimpur, Assam	Off -campus	Dr. Ch. Victoria Devi
33	Workshop on PMKSY- Har Khet Ko Pani (HKKP)- Ground Water Irrigation	12-13 September, 2022	Stakeholders	Tezpur	In-campus	Dr. U.M. Hazarika
34	Water Quality Monitoring (Special campaign for tribal area/children)	15 September, 2022	Stakeholders of tribal area/ students	Diphu, Karbi Anglong	Off-campus	Shri Ritu Thakur
35	Water Quality Monitoring	20-22 September, 2022	NGOs	Tezpur	In-campus	Shri M. Nath



Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
36	Participatory Irrigation Management	27 September, 2022	WUAs/ Farmers	Ribhoi, Meghalaya	Off-campus	Shri B. Dutta/ Dr. Ch. Victoria Devi
37	Good Agriculture Practices and Field Programme	29-30 September, 2022	Farmers	Tezpur	In-campus	Shri Ritu Thakur
<b>3<sup>rd</sup> QUARTER (OCTOBER, 2022 - DECEMBER, 2022)</b>						
38	Soil and Water Management (special campaign for tribal areas/children)	11 October 2022	Stakeholders of tribal area/students	Tezpur	Off-campus	Dr. Ch. Victoria Devi
39	Basics of soil science in relation to crop productivity and soil contamination	13-14 October, 2022	Officials of Agriculture Dept/Stakeholders	Tezpur	In-campus	Shri Ritu Thakur
40	National Seminar on Spring Rejuvenation (Jal Shakti Abhiyan)	18-19 October, 2022	Officers	Tezpur	In-campus	Dr. A. C. Debnath
41	Multiple cropping and water management	20-21 October, 2022	Farmers	Arunachal Pradesh	Off-campus	Shri Ritu Thakur
42	Workshop on Long term training programme on WRM : Needs and strategy	26-27 October, 2022	Stakeholders (ASTU/AICT/ officials from Ministry of Education/ Irrigation Dept/ PHED)	Tezpur	In-campus	Dr. A.C. Debnath
43	Awareness on vigilance – Integrity a way of life-	2 November, 2022	Staff of NERIWALM & other state and central govt. offices	Tezpur	In-campus	Dr. U. M. Hazarika
44	Tot on Water Quality Monitoring	9-10 November, 2022	NGOs/ Stakeholders	Tezpur	In-campus	Shri M. Nath
45	Overview of Water Sector	14-18 November, 2022	Non-technical Officers of MoWR, RD & GR	Tezpur	In-campus	Dr Ch. Victoria Devi
46	Water Use Efficiency in irrigation projects	21-23 November, 2022	Working Engineers of WRD/Irrigation of NER	Tezpur	In-campus	Dr. A. C. Debnath
47	Organic farming and water management	28 November, 2022	Farmers/ WUAS	Tripura	Off-campus	Dr Bangshidhar Kalita
48	Water Quality Monitoring	29 November, 2022	Stakeholders	Tripura	Off-campus	Shri Ritu Thakur
49	Preparation of surface minor irrigation scheme	6-7 December, 2022	JE/AE/AEE/EE of Irrigation/ Water Resource department	Tezpur	In-campus	Dr. Sagarika Patowary



Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
50	Tot on Water Quality Monitoring	5-7 December,2022	NGOs/ Stakeholders	Tezpur	In-campus	Shri M. Nath
51	ToT on Soil Health Management	12-16 December, 2022	NGOs/ Stakeholders	Tezpur	In-campus	Shri Ritu Thakur
52	Geobag and geotextile application in water resource management	19 -21 December,2022	JE/AE/AEE of Irrigation/Brahmap utra Board/CADA of NE region	Tezpur	In-campus	Dr. U. M. Hazarika
53	Water Management in Shallow Tubewell Command Area	22-23 December,2022	WUAs/ Farmers	Dekaijuli	Off-campus	Dr. Pradip K. Bora
<b>4<sup>th</sup> QUARTER (JANURARY, 2023 - MARCH,2023)</b>						
54	Workshop and flower culture and horticultural show	3 - 4 January, 2023	Farmers	Tezpur	In-campus	Shri M. Nath
55	Barrage and Design of Water Resource Structure	9 -11 January,2023	JE/AE/AEE of Irrigation Dept	Tezpur	In-campus	Dr. A. C. Debnath
56	ToT for Leadership Development In Irrigation Management	16 -17 January,2023	WUAs/NGOs	Tezpur	In-campus	Dr. Ch. Victoria Devi
57	Water Quality Monitoring (special area campaign for tribal area/ children)	20 January,2023	Stakeholders of tribal area/ students	Tezpur	In-campus	Shri M.Nath
58	Planning of Irrigation Management	23 -25 January, 2023	JE/AE/AEE/EE of Irrigation/Water Resource department	Tezpur	In-campus	Dr. A. C. Debnath
59	Water Budgeting	2 -3 February, 2023	JE/AE/AEE/EE of Irrigation/Water Resource department	Tezpur	In-campus	Dr. A. C. Debnath
60	Water less requirement crop production (mushroom)	7 -8 February,2023	Farmers of NE region	Tezpur	In-campus	Shri Ritu Thakur
61	Preparation of surface minor irrigation scheme	20-21 February,2023	JE/AE/AEE/EE of Irrigation/ Water Resource department	Tezpur	In-campus	Dr. Sagarika Patowary
62	Organic Farming and water management	22February,2023	Farmers	Sikkim	Off-campus	Shri Ritu Thakur
63	Workshop on International Women's Day	8 March , 2023	Women/ Women groups	Tezpur	In-campus	Dr. Ch. Victoria Devi
64	Workshop on Farming with Micro Irrigation	10 March, 2023	Stakeholders (Officers, Farmers, WUAs,NGOs)	Sikkim	Off-campus	Dr. A. C. Debnath

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
65	Webinar on World Water Day	22 March, 2023	Stakeholders	Tezpur	In-campus	Shri M. Nath

### 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.U.M. Hazarika
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	Shri A.K. Sharma
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	Shri Ritu Thakur
7	Surveying using Total station & DGPS	2 weeks	Students, learner	Tezpur	In-campus	Dr. A.C. Debnath
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 Ritu Thakur
10	Soil sample collection and analysis	2 weeks	Students, researchers	Tezpur	In-campus	Shri Ritu Thakur
11	Mushroom production technology	2 weeks	Farmers, entrepreneurs	Tezpur	In-campus	Shri Ritu Thakur
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

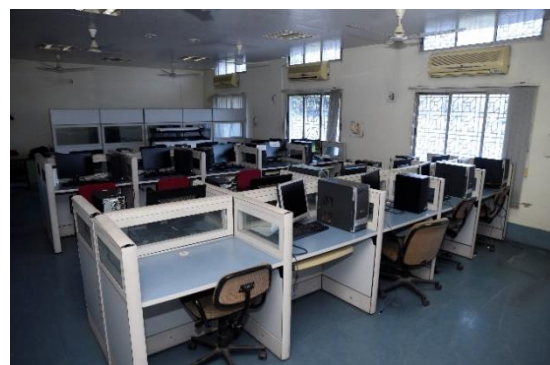
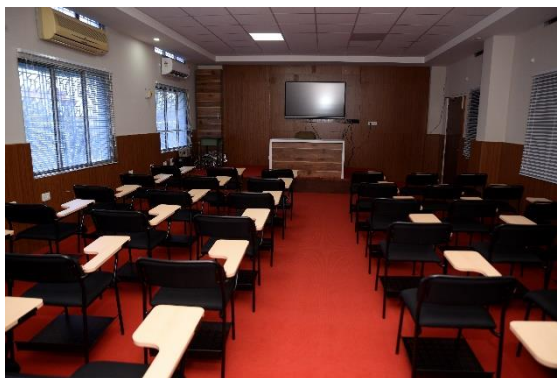
Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus
1.	Mid duration Internship programme	3-6 months	UG/PG	Tezpur	In-campus
2.	Certificate course on Analysis of Environmental parameters- water quality analysis	3-6 months	UG/PG	Tezpur	In-campus
3.	Certificate course on Analysis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

**Note:**

In addition to 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. in the free slots available in the Training calendar. The method of training will be on-line or physical depending upon situation. Dates and venue may be changed as and when necessary.





**For further information, please contact preferably through e-mail and FAX:**

**DR. PRADIP KUMAR BORA**

**Director**  
NERIWALM  
Dolabari  
P.O. Kaliabhomora – 784 027  
Tezpur (Assam)

Phone: 03712 – 291069  
E-mail: [dir-neriwalm@gov.in](mailto:dir-neriwalm@gov.in)  
[director.neriwalm@gmail.com](mailto:director.neriwalm@gmail.com)

**DR. A. C. DEBNATH**

Professor (WRE ) & In-charge Training

**DR. CH. VICTORIA DEVI**

Assistant Professor (S.Sc ) & Deputy In-charge Training

NERIWALM  
Dolabari  
P.O. Kaliabhomora – 784 027  
Tezpur (Assam)

Phone: 03712 – 291069  
E-mail: [neriwalmtraining18@gmail.com](mailto:neriwalmtraining18@gmail.com)