

# TRAINING CALENDAR, 2021-22



## **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 36,110 persons and conducted 1047 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 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 2021-22. The target for the year is set as 65 Nos. In addition to this , 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 personnels.*

*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

<i>Sl.No.</i>	<i>Subject/Title</i>
1	<i>Planning of irrigation management</i>
2	<i>Water Use Efficiency</i>
3	<i>Water Budgeting</i>
4	<i>Hydro-meteorological Observation</i>
5	<i>Flood Management and Erosion Control Measures</i>
6	<i>Barrage and Design of Water Resource Structure</i>
7	<i>Participatory Irrigation Management</i>
8	<i>Water Management in Shallow Tubewell Command Area</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>Metrological Grid Data Analysis</i>
12	<i>Farming with micro Irrigation</i>
13	<i>PMKSY- Per drop more crops (drip irrigation)</i>
14	<i>PMKSY- Har Khet Ko Pani (HKKP)- Ground Water Irrigation</i>
15	<i>Irrigation management in PPP Mode</i>
16	<i>Rainwater Harvesting</i>
17	<i>Spring Rejuvenation</i>
18	<i>Overview of Water Sector</i>
19	<i>Geobag and geotextile application in water resource management</i>
20	<i>Remote Sensing and GIS application in irrigation, water and land management</i>
21	<i>Water quality Monitoring</i>
22	<i>Soil Sampling and Soil Analysis data interpretation for Tea</i>
23	<i>Raising and management of nursery</i>
24	<i>Organic farming and Water management</i>
25	<i>Water less requirement crop production (mushroom)</i>
26	<i>Demonstration of Solar Power Drip Irrigation</i>
27	<i>Soil health management</i>
28	<i>Soil and Water Management</i>
29	<i>Basics of soil science in relation to crop productivity and soil contamination</i>
30	<i>Multiple cropping and water management</i>
31	<i>Workshop and flower culture and horticultural show</i>
32	<i>Water Conservation and Water management</i>
33	<i>Basic Learning Workshop</i>
34	<i>Participatory Planning of Pilot Activity</i>
35	<i>Leadership Development In Irrigation Management</i>
36	<i>Management Development , Financial Management and RTI</i>
37	<i>Long term training programme on WRM: Needs and strategy</i>
38	<i>Hindi Rajbasha</i>
39	<i>Vigilance – Integrity a way of life-</i>
40	<i>Emergency Preparedness and Fire Safety</i>
41	<i>Skill Training</i>

**TRAINING CALENDAR 2021-22 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, 2021- JUNE, 2021)</b>						
1	Participatory Irrigation Management (Kaliabor Lift Irrigation)	7-9 April, 2021	Farmers/WUAs	Tezpur	In- Campus	Dr. U.M. Hazarika
2	Water quality Monitoring (Special campaign for tribal/children)	12 April, 2021	Stakeholders of tribal area /Students	Tezpur	Off campus	Shri M.Nath
3	Participatory Irrigation Management (To be sponsored by NWM)	20-22 April, 2021	Office bearers of Water Users Associations (WUAs) of NE	Tezpur	In-campus	Dr.Ch. Victoria Devi
4	ToT on Soil Sampling and Soil Analysis data interpretation for Tea	27-29 April, 2021	Tea growers/ farmers	Tezpur	In- Campus	Shri M. Nath
5	Basic Learning Workshop (Sponsored by Brahmaputra Board under project Good Water Management Practices in Arunachal Pradesh )	30 April – 2 May, 2021	Farmers organisation/Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr.Ch. Victoria Devi
6	Water Use Efficiency in Pahumara Medium Irrigation (To be sponsored by NWM)	11 - 12 May, 2021	Irrigation Department/WUAs/Stakeholders	Pathsala, Nalbari, Assam	Off-campus	Dr. U.M. Hazarika
7	Management Development , Financial Management and RTI (Sponsored by Brahmaputra Board)	17-22 May, 2021	Ministerial cadre of Brahmaputra Board	Tezpur	In-campus	Dr.Ch. Victoria Devi
8	Participatory irrigation Management ( Imphal Barrage IP )	27 May, 2021	WUAs/Farmers	Imphal , Manipur	Off-campus	Dr.Ch.Victoria Devi
9	Awareness programme Water Conservation and Water management(To be sponsored by NWM )	28 May, 2021	Stakeholders including Officers/farmers/ WUAs/PRI/SHGs/NGOs	Thoubal irrigation project, Manipur	Off-campus	Dr.Ch.Victoria Devi
10	Survey and Design of Irrigation Project & Socio Economic Aspects (In-Plant Training self Financed)	1-5 June, 2021	BE/B.Tech /M.Tech Students	Tezpur	In- campus	Dr. U.M. Hazarika

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11	Volumetric water measurement, Soil and Water Conservation (In-Plant Training self-Financed)	7-11 June, 2021	BE/B.Tech/M.Tech Students	Tezpur	In-campus	Dr. U.M. Hazarika
12	Micro Irrigation and Water Quality (In-Plant Training self-Financed)	14-18 June, 2021	BE/B.Tech/M.Tech Students	Tezpur	In-campus	Dr. U. M. Hazarika
13	Basic Learning Workshop (Sponsored by Brahmaputra Board under project Good Water Management Practices in Arunachal Pradesh )	14-18 June	Farmers organisation/Beneficiaries of Arunachal Pradesh	Tezpur	In-campus	Dr.Ch. Victoria Devi
14	Remote Sensing and GIS application in irrigation, water and land management, AutoCad (In-Plant Training self-Financed)	21-25 June, 2021	BE/B.Tech/M.Tech Students	Tezpur	In-campus	Dr. U. M. Hazarika
15	Workshop on Hindi Rajbasha	24 June, 2021	Officers	Tezpur	In-campus	Shri Ramesh Prasad
16	Basics of report preparation and presentation (In-Plant Training self-Financed)	28-30 June, 2021	BE/B.Tech/M.Tech Students	Tezpur	In-campus	Dr. U. M. Hazarika
<b>2<sup>nd</sup> QUARTER (JULY, 2021- SEPTEMBER, 2021)</b>						
17	Water Budgeting	7-9 July, 2021	JE/AE/AEE/ Officers of Irrigation Dept/WRD	Tezpur	In-campus	Dr.A.C.Debnath
18	Raising and management of nursery	13-15 July, 2021	Farmers	Tezpur	In-campus	Shri M. Nath
19	Organic farming and Water management	19-20 July, 2021	Farmers	Tezpur	In-campus	Shri Ritu Thakur
20	Awareness programme on Flood management	20 July, 2021	Stakeholders	Garo Hills, Meghalaya	Off-campus	Dr.A.C. Debnath
21	Seminar on Irrigation Management in PPP mode	26-27 July, 2021	Stakeholders of Irrigation project	Tezpur	In-campus	Dr.A.C Debnath
22	Participatory Irrigation Management (Panbari FIP)	3 August, 2021	WUAs/Farmers	Dekiajuli	Off-campus	Shri B.Dutta

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23	Participatory Irrigation Management (Bardikarai F.I.P.)	5 August, 2021	WUAs/Farmers	Itakhola	Off-campus	Shri B.Dutta
24	Rainwater Harvesting ( Jal Shakti Abhiyan)	10-12 August , 2021	Officers of Irrigation Dept/WRD/Soil Conservation/KVKs	Tezpur	In-campus	Dr. U.M. Hazarika
25	Water less requirement crop production (mushroom)	17 -19 August, 2021	Farmers	Tezpur	In-campus	Shri Ritu Thakur
26	Participatory Planning of Pilot Activity (sponsored by Brahmaputra Board under project Good Water Management Practices)	23-27 August ,2021	Farmers organisation/Beneficiaries of Arunachal Pradesh	Ziro, Arunachal Pradesh	Off-campus	Dr.Ch. Victoria Devi
27	Demonstration of Solar Power Drip Irrigation (special campaign for tribal area /children)	2 September, 2021	Stakeholders of tribal area/Students	Tezpur	Off-campus	Shri M.Nath
28	Metrological Grid Data Analysis	7-9 September, 2021	Stakeholders (Officers/ Researchers/Students)	Tezpur	In-campus	Dr.A.C.Debnath
29	PMKSY- Per drop more crops (drip irrigation)	13 September, 2021	Farmers/ Beneficiaries of PMKSY	Mizoram	Off-campus	Dr.U.M. Hazarika
30	Soil health management	16-17 September, 2021	Farmers	Tezpur	In-campus	Shri Ritu Thakur
31	Water Conservation and water management ( in collaboration with NWA)	20-22 September, 2021	PRIs	Tezpur	In-campus	Dr.Ch.Victoria Devi
32	Workshop on PMKSY- Har Khet Ko Pani (HKKP)- Ground Water Irrigation	20-21 September, 2021	Stakeholders	Tezpur	In-campus	Dr.U.M. Hazarika
33	Water Quality Monitoring (Special campaign for tribal area/children)	23 September	Stakeholders of tribal area/ students	Diphu, Karbi Anglong	Off-campus	Shri Ritu Thakur
34	Water Quality Monitoring	27-29 September, 2021	NGOs	Tezpur	In-campus	Shri M.Nath

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35	Participatory Irrigation Management (Umsaw Nongbri FIP)	29 September, 2021	WUAs/Farmers	Ribhoi, Meghalaya	Off-campus	Shri B.Dutta/ Dr.Ch. Victoria Devi
<b>3<sup>rd</sup> QUARTER (OCTOBER, 2021 - DECEMBER,2021)</b>						
36	Soil and Water Management (special campaign for tribal areas/children)	4 October 2021	Stakeholders of tribal area/students	Nagaland	Off Campus	Dr. Ch. Victoria Devi
37	National Seminar on Spring Rejuvenation (Jal Shakti Abhiyan)	7-8 October, 2021	Officers	Tezpur	In-Campus	Dr. Ch.Victoria Devi
38	Multiple cropping and water management	11 October, 2021	Farmers	Arunachal Pradesh	Off-Campus	Shri Ritu Thakur
39	Workshop on Long term training programme on WRM : Needs and strategy	21-22 October, 2021	Stakeholders (ASTU/AICT/ officials from Ministry of Education/ Irrigation Dept/ PHED)	Tezpur	In-Campus	Dr. A.C. Debnath
40	Basics of soil science in relation to crop productivity and soil contamination	26-28 October, 2021	Officials of Agriculture Dept/Stakeholders	Tezpur	In-Campus	Shri Ritu Thakur
41	Awareness on vigilance – Integrity a way of life-	2 November, 2021	Staff of NERIWALM & other state and central govt. offices	Tezpur	In-campus	Dr. U. M. Hazarika
42	Overview of Water Sector	8-12 November, 2021	Non-technical Officers of MoWR,RD & GR	Tezpur	In-Campus	Dr Ch.Victoria Devi
43	Workshop on Rajbhasa Hindi on	9 November, 2021	Officers	Tezpur	In-campus	Shri Ramesh Prasad
44	Water Use Efficiency in irrigation projects	16-18 November 2021	Working Engineers of WRD/Irrigation of NER	Tezpur	In-campus	Dr.A.C. Debnath
45	Hydro-meteorological Observation (To be sponsored by National Centre of Hydrology and Meteorology ,Govt. of Bhutan)	22-30 November, 2021	Officials of Bhutan	Tezpur	In-Campus	Dr . Ch.Victoria Devi

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46	Organic farming and water management	25 November, 2021	Farmers/WUAS	Tripura	Off-campus	Shri Ritu Thakur
47	Water Quality Monitoring	26 November, 2021	Stakeholders	Tripura	Off-campus	Shri M.Nath
48	Preparation of surface minor irrigation scheme	29-30 November, 2021	JE/AE/AEE/E of Irrigation/ Water Resource department	Tezpur	In-campus	Dr.U.M.Hazarika
49	Water Conservation and Water Management ( Jal Shakti Abhiyan) (special campaign for tribal area/children)	2 December 2021	Stakeholders of tribal area /students	Lakhimpur	Off-campus	Dr. Ch.Victoria Devi
50	Tot on Water Quality Monitoring	6-10 December 2021	NGOs/Stakeholders	Tezpur	In-campus	Shri M.Nath
51	ToT on Soil Health Management	13-17 December 2021	NGOs/Stakeholders	Tezpur	In-campus	Shri Ritu Thakur
52	Geobag and geotextile application in water resource management	21 -23 December, 2022	JE/AE/AEE of Irrigation/Brahmaputra Board/CADA of NE region	Tezpur	In-campus	Dr. U. M. Hazarika
53	Water Management in Shallow Tubewell Command Area	27 December, 2021	WUAs/Farmers	Dekajuli	Off-campus	Shri B.Dutta
<b>4<sup>th</sup> QUARTER (JANURARY, 2022 - MARCH,2022)</b>						
54	Workshop and flower culture and horticultural show	4 <sup>th</sup> -6 <sup>th</sup> January, 2022	Farmers	Tezpur	In-campus	Shri M.Nath
55	Barrage and Design of Water Resource Structure	5 <sup>th</sup> -7 <sup>th</sup> January 2022	JE/AE/AEE or Irrigation Dept	Tezpur	In-campus	Dr. A. C. Debnath
56	ToT for Leadership Development In Irrigation Management	17-21 January, 2022	WUAs/NGOs	Tezpur	In-campus	Dr. Ch. Victoria Devi



Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator (s)
57	Water Quality Monitoring (special area campaign for tribal area/ children)	28 <sup>th</sup> January, 2022	Stakeholders of tribal area/ students	Tezpur	Off-campus	Shri M.Nath
58	Planning of Irrigation Management	1 -3 February, 2022	JE/AE/AEE/EE of Irrigation/Water Resource department	Tezpur	In-campus	Dr. A. C. Debnath
59	Flood management and erosion control measures	9 -11 February, 2022	JE/AE/AEE/EE of Irrigation/Water Resource department	Tezpur	In-campus	Dr.A.C. Debnath
60	Water less requirement crop production (mushroom)	22 -24 February, 2022	Farmers of NE region	Tezpur	In-campus	Shri Ritu Thakur
61	Workshop on International Women's Day	8 March ,2022	Women/Women groups	Tezpur	In-campus	Dr.Ch.Victoria Devi
62	Workshop on Farming with Micro Irrigation	10 March 2022	Stakeholders (Officers, Farmers, WUAs,NGOs)	Sikkim	Off-Campus	Dr.A.C.Debnath
63	Roof Water Harvesting and Management ( Jal Shakti Abhiyan)	15 March 2022	Stakeholders	Meghal a ya	Off-Campus	Dr.U.M.Hazarika
64	Emergency Preparedness and Fire Safety	17 March, 2022	Officers/Stakeholders	Tezpur	In-campus	Shri S.Sunar
65	Webinar on World Water Day	22 March, 2022	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 coordinator(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

## 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

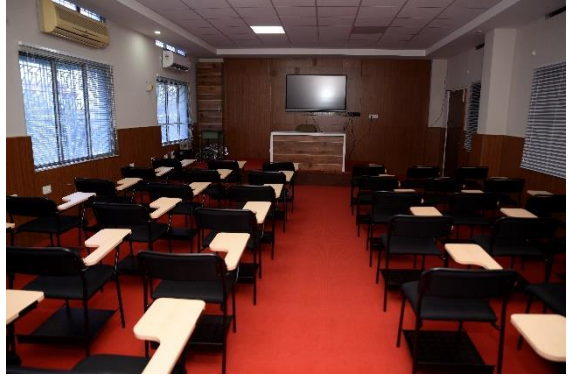
2.	Certificate course on Analysis of Environmental parameters- water quality analysis	3-6 months	UG/PG	Tezpur	In-campus
3.	Certificate course on Analysis of Environmental parameters- soil quality analysis	3-6 months	UG/PG	Tezpur	In-campus
4.	Certificate course on Water Resource Management	3-6 months	UG/PG	Tezpur	In-campus

### **SELF FINANCED TRAINING PROGRAMMES**

Sl. No	Title of programmes	Date/ Duration	Target group	Venue	In-campus/ Off campus	Course coordinator(s)
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.



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