



# IRRIGATION ASSOCIATION OF INDIA

Newsletter December 2024

Edition Volume IAI/27/20



# TRAINING PROGRAM ON MICRO IRRIGATION AUTOMATION

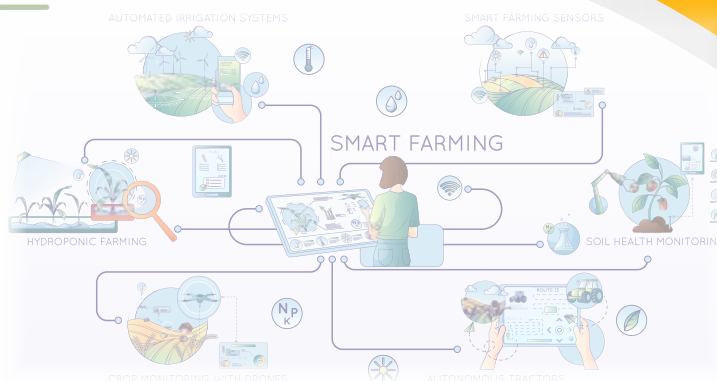


10<sup>th</sup> JANUARY 2025

Vesta International, Jaipur  
Rajasthan



## TRAINING SPONSOR



## Shri Kaushal Jaiswal, President, Irrigation Association of India Chairs the 3rd Meeting of the Executive Committee on 24th December, 2024

Shri Kaushal Jaiswal, President of the Irrigation Association of India (IAI) and Managing Director of Rivulis India, chaired the 3rd Executive Committee Meeting on 24th December 2024. Held virtually, the meeting focused on strategies to maximize coverage in the next 2-3 months and addressed major challenges arising from the non-disbursement of funds to MI companies, despite consistent fund flows from the central government. The Executive Committee resolved to draft a representation, present it to the department, and seek their intervention to resolve the issue.

## IAI-Tamil Nadu Chapter convenes meeting of the State Executive Committee on 10th December, 2024

Mr. Sarvana Kumar, Vice President South chaired the 1st Executive Committee Meeting of IAI Tamil Nadu Chapter on 10th December, 2024 at Hotel Heritage Inn in Coimbatore. Dr. C Gopal (Chair), Dr. R Murugesan (Co-Chair) and other IAI members from across the state attending the meeting engaged in valuable discussions on key concerns and challenges of the micro-irrigation industry in the state. Industry leaders highlighted an urgent need to address progress under the PDMC Scheme, completion of work orders issued in 2024-2025 and budget allocations 2025-2026.



## IAI pushes for the integration of Modern Micro-Irrigation technologies at the Rising Rajasthan Global Investment Summit 2024

Dr. R.P. Yadav, Chairman – IAI Rajasthan Chapter had the privilege and honour of attending the Rising Rajasthan Global Investment Summit 2024 on 10th December 2024 at Jaipur Rajasthan. The 3-day mega global investment summit organized by the Government of Rajasthan aimed to attract and foster





global investments and innovation in the state. The Global Investment Summit inaugurated by the Hon. Prime Minister Shri Narendra Modi, attracted the participation of over 5,000 eminent business leaders, industrialists and investors; and featured thematic sessions on water security, agri-business innovations and women-led start-ups.

Dr. R.P. Yadav along with industry experts and irrigation practitioners engaged in insightful discussions with state leaders, technology innovators, bureaucrats and Government of Rajasthan officials, underscoring an urgent need to formulate an aggressive roadmap for strengthening micro-irrigation programs in the state. Such initiatives, schemes and programmes would focus on accelerating micro-irrigation adoption; integrate latest automations, SMART farming solutions and enhance overall water-use efficiency across the state.

## IAI shares industry insights with Hon. Secretary, Govt. of Rajasthan at the 'Ek Varsh-Parinaam Utkarsh' Programme, 17th December 2024



Shri. Pravin Kumar Lath, Vice President (North) and Dr. R.P. Yadav, Chair-Rajasthan Chapter engaged in insightful discussions at the 'Ek Varsh-Parinaam Utkarsh' Programme, a Programme organized by the Government of Rajasthan on 17th December 2024 to mark the completion of one year of the state government. The event inaugurated by the Hon. Prime Minister Shri. Narendra Modi and Shri Bhajanlal Sharma Chief Minister Rajasthan showcased key initiatives of the state government cutting across sectors of drinking water, irrigation, energy, agriculture, ag-tech,

transport, employment generation and financial inclusion.

Mr. Rajan Vishal IAS, Secretary Agriculture, Ms. Chinmayee Gopal IAS, Commissioner of Agriculture, Mr. Suresh Kumar Ola IAS, Commissioner of Horticulture and Dr. Rajendra Singh, Nodal Officer-PDMC visited an exhibition put up to showcase innovative micro irrigation technologies at the 'Ek Varsh-Parinaam Utkarsh' Programme. In discussions with Government of Rajasthan officials at the exhibition, Shri Pravin Kumar Lath and Dr. R.P. Yadav highlighted an urgent need to expand the adoption of micro-irrigation technologies



across the state. The industry leaders underscored the pivotal role of such technologies, highlighting their potential role in enhancing water use efficiencies, addressing competing demands and tackling critical water scarcity challenges faced in the state.

## Irrigation Association of India partners with the Department of Horticulture & Food Processing Govt. of Uttar Pradesh to organize 3rd Training Programme & Entrepreneurship Fair for Micro Irrigation Technicians



Irrigation Association of India conducted the 3rd Training Programme for Micro-Irrigation Technicians on “Installation, Operation, and Maintenance of Micro Irrigation Technologies” in collaboration with the



### BUILDING SKILLS IN MICRO IRRIGATION

## TRAINING PROGRAMME FOR MICRO IRRIGATION TECHNICIANS



Irrigation Association of India is undertaking a comprehensive training programme for Micro Irrigation Technicians on the “**Installation, Operation and Maintenance of Micro Irrigation Technologies**” in collaboration with the Department of Horticulture & Food Processing, Govt. of Uttar Pradesh. The programme is designed to equip aspiring irrigation professionals with fundamental knowledge and skill-sets necessary to install, operate, maintain, repair and service basic micro-irrigation systems.

Under this programme, individuals - particularly rural youth and agricultural labourer - will be fully trained to pursue careers in the irrigation industry. Our “**Micro Irrigation (MI) Technicians**” will provide technical support to micro-irrigation companies, authorized dealers, agribusinesses, agri-start-ups, FPO’s, SHG, NGO’s, extension agencies and farmers associated with the Per Drop More Crop (PDMC) Scheme. The MI Technicians will take full responsibility for installation, maintenance, and repair of micro-irrigation systems including drip and sprinklers.

### KEY TAKEAWAYS FOR A MICRO IRRIGATION TECHNICIAN



#### Understanding Basic Micro Irrigation Technologies

Exposure to the basic components of a micro irrigation system including an understanding of how each part contributes to the effective delivery of water and overall efficient operation of the system



#### Know-How to Installation & System Maintenance

Comprehensive support in the installation and maintenance of a basic micro-irrigation system, including guided demonstrations, hands-on sessions and field visits.



#### Become an Irrigation Professional

Micro Irrigation Technicians will be fully responsible for delivering comprehensive technical support at the grassroots level. This includes independent installation, operation, and maintenance services.

### MICRO IRRIGATION TECHNICIANS WILL LEARN

- 1 Benefits of Micro Irrigation Technologies
- 2 Understanding the Components of a Basic Micro Irrigation System
- 3 Components of an Irrigation supply and distribution network
- 4 Fertigation Scheduling
- 5 Basic Maintenance of a Micro Irrigation System

### DATE

### UPCOMING TRAININGS 2024-2025

16- 19	December 2024	Agra
09- 12	January 2025	Saharanpur
20-23	January 2025	Chitrakoot
03-06	February 2025	Banda
24-27	February 2025	Jalaun
03-06	March 2025	Mahoba

Department of Horticulture & Food Processing, Govt. of Uttar Pradesh on 16th -19th December 2024 at KVK Bichpuri Campus Agra, Uttar Pradesh. The comprehensive 4-day training programme inaugurated by Smt. Anita Singh, District Horticulture Officer (DHO) Agra was attended by 47 rural youth mostly agricultural labour, farmers, wage workers and women belonging to marginalized communities in the state. All the participants received a 'Certificate of Participation' on successful completion.

Irrigation Association of India also organized an Entrepreneurship Fair on 19th December 2024. A flagship initiative of the Department of Horticulture & Food Processing, Government of Uttar Pradesh (GoUP), the Entrepreneurship Fair received an overwhelming response from the irrigation industry with more than 10 micro-irrigation companies participating in the programme. Companies also appointed 10 candidates who had successfully completed the training programme as "Sub Dealers". With, the state of Uttar Pradesh having an enormous untapped potential for the adoption of micro-irrigation technologies, appointed "Sub Dealers" will work under the guidance of company dealers, supporting micro irrigation companies in advancing technology adoption in the state.

## Training Program on Micro Irrigation Automation 10th January, 2025 in Jaipur, Rajasthan

# TRAINING PROGRAM ON MICRO IRRIGATION AUTOMATION



10<sup>th</sup> JANUARY 2025

Vesta International, Jaipur  
Rajasthan

Irrigation Association of India is organizing a one-day training program on Micro Irrigation Automation, sponsored by Automat Industries on 10th January, 2025, in Jaipur, Rajasthan. This program is designed to empower professionals and stakeholders in the micro-irrigation sector with cutting-edge knowledge and skills in automation technologies.

### Training Objectives

- Develop skilled irrigation professionals proficient in designing and installing automated smart irrigation systems.

 **Donga Watertech**  
PRIVATE LIMITED



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- Provide insights into the application of technologies such as IoT, remote sensing, SCADA, AI, and sensor-based automation in irrigation, fertigation, and filtration systems.
- Facilitate access to technical training material curated by industry experts.

## Training Topics

1. Basics of Irrigation Automation
2. Selection Criteria for Automation Types and Product Features
3. Automation of Fertigation
4. IoT-Based Automation Systems
5. Artificial Intelligence in Micro Irrigation

<https://forms.gle/PGBwVrmaiSw45HVG9>

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# Two-day Certificate program on Introduction to Micro Irrigation Technologies: Design, Operation and Maintenance

3rd -4th February, 2025 Nashik, Maharashtra



Irrigation Association of India is organizing two-day Certificate program on Introduction to Micro Irrigation Technologies: Design, Operation and Maintenance on 3rd – 4th February, 2025 at Nashik, Maharashtra. The comprehensive training program conducted by Irrigation Association of India aims to provide irrigation professionals, company dealers, distributors and other key stakeholders in the irrigation industry with an exposure and in-depth knowledge of innovative micro irrigation technologies.

Under the two-day training programme, participants will be introduced to basic micro irrigation technologies including drip irrigation and sprinkler systems, with a focus on building capacity and valuable expertise in emerging technologies in sustainable agricultural water and nutrient management. Participants will learn about the design, installation, and maintenance of these systems, with an opportunity to attend specialized classroom sessions and have one-to-one interactions with experienced industry trainers, micro-irrigation practitioners and irrigation experts. Shri Kailash Mote, Director-Horticulture, Govt. of Maharashtra will be gracing the programme as Chief Guest.

## Course Content:

- Understanding basic Soil-Plant-Water relationships
- Introduction to Micro-Irrigation Technologies
- Micro Irrigation Technology Types & Components
- Emerging water quality issues & Filtration systems
- Sustainable nutrient management & Fertigation systems
- Advanced Micro Irrigation Technologies including sub-surface drip irrigation
- Application of Artificial Intelligence in Micro-Irrigation
- Designing Drip Irrigation Systems & preparation of BoQ
- Automations in Micro-Irrigation

<https://forms.gle/nECgtnWtSZ74JjF6>





## Wilco Launches Fertigation Trolley to Transform Agriculture in India



Wilco, a global leader in water management solutions, has unveiled the Wilco Fertigation Trolley, a groundbreaking system that integrates irrigation and fertilization to address critical challenges in Indian agriculture. Powered by solar energy, this innovative device reduces fertilizer use by 40%, increases crop yield by 30%, and enhances water efficiency, offering farmers a sustainable and cost-effective solution. India's agriculture sector faces mounting challenges due to high input costs and

resource inefficiencies. The Fertigation Trolley is designed to deliver precise amounts of nutrients and water at each stage of crop growth, conserving resources, reducing labor, and lowering production expenses.

(Source: <https://egov.eletsonline.com/2024/12/wilo-launches-fertigation-trolley-to-transform-agriculture-in-india/#:~:text=Wilco%20Launches%20Fertigation%20Trolley%20to%20Transform%20Agriculture%20in%20India,-By%20Elets%20News&text=All%20India%20-%20December%2010%2C%202024,critical%20challenges%20in%20Indian%20agriculture> )

## Mahindra EPC Irrigation bags Rs 3.40-cr order for micro irrigation systems

Mahindra EPC Irrigation has been awarded a contract worth Rs 3.40 crore for the supply of Micro Irrigation Systems. The project involves the supply of micro-irrigation systems for approximately 680 hectares and the project is valued at Rs 3.40 crore. Mahindra EPC Irrigation manufactures micro-irrigation systems (MIS) consisting of drips and sprinklers at its facilities in Nashik, Vadodara and Coimbatore.



(Source: [https://www.business-standard.com/markets/capital-market-news/mahindra-epc-irrigation-bags-rs-3-40-cr-order-for-micro-irrigation-systems-124122800370\\_1.html](https://www.business-standard.com/markets/capital-market-news/mahindra-epc-irrigation-bags-rs-3-40-cr-order-for-micro-irrigation-systems-124122800370_1.html))

## Water conservation, latest farming trends among highlights at inauguration of agriculture fair at Navsari Agricultural University



The Navsari Agricultural University (NAU) organized a 3-day Agricultural Fair from 21st – 23rd December 2024 at its campus in Navsari Gujarat. The Agricultural Fair was inaugurated by Shri C. R. Patil Union Minister of Jal Shakti and Shri Raghavji Patel Gujarat Agricultural Minister. In his address at the Agricultural Fair, Shri C.R. Patel Hon. Union Minister emphasized the critical the need to conserve water resources in the state, particularly in the face of growing water scarcity. The fair included an exhibition to showcase latest agricultural trends in the state, all offering inno-

vative solutions aimed at aimed at enhancing crop yields, optimizing water resources and reducing expenses of farming communities.

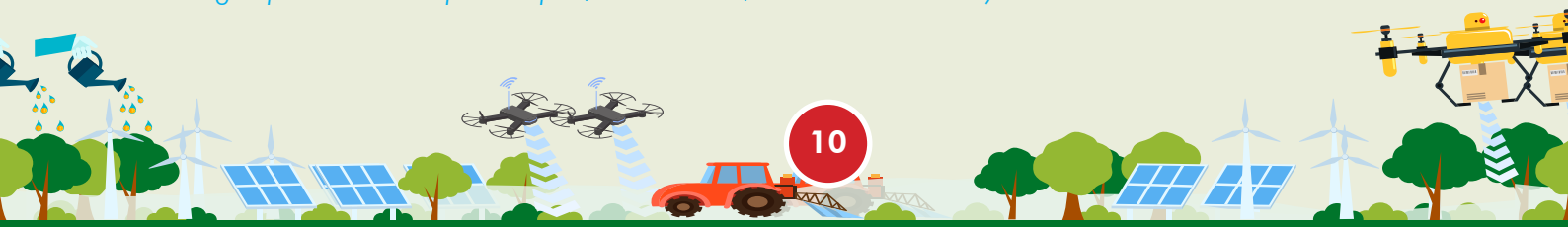
(Source: <https://indianexpress.com/article/cities/ahmedabad/water-conservation-latest-farming-trends-among-highlights-at-inauguration-of-agriculture-fair-at-navsari-agricultural-university-9738308/> )

## Weather woes to crush India's sugar production, export hopes

India's sugar production is expected to fall, a result of declining sugar yields in the country. Drought and excessive rains have hurt sugarcane yields with output expected to drop to 27 million metric tons. Key sugar-cane producing states like Maharashtra and Karnataka are facing challenges due to less rain, while states like Uttar Pradesh experienced crop disease. Maharashtra, Karnataka, and Uttar Pradesh account for more than 80% of the country's total sugar production, with lower cane yields in these states prompting trade houses to reduce their output estimates.



(Source: <https://economictimes.indiatimes.com/news/economy/agriculture/weather-woes-to-crush-indias-sugar-production-export-hopes/articleshow/116599631.cms> )

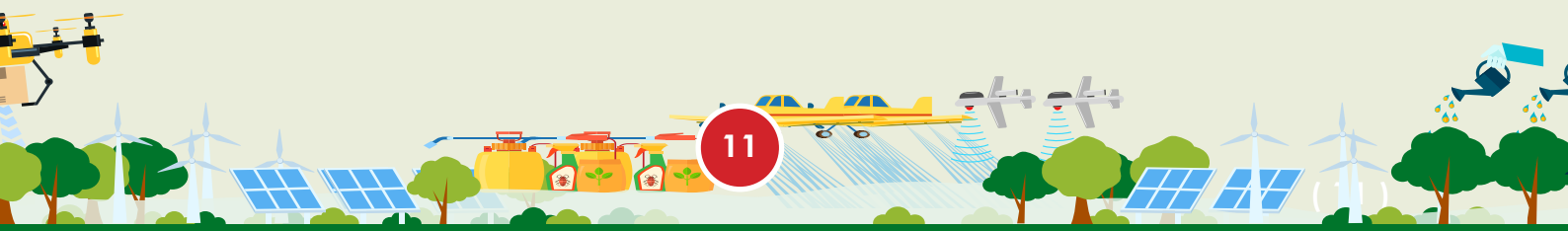


## The first International Soil and Water Forum 2024, co-organized by the FAO and the Royal Thai Government, concluded in Bangkok, Thailand



The International Soil and Water Forum 2024, co-organized by the Food and Agriculture Organization of the United Nations (FAO) and the Ministry of Agriculture and Cooperatives of the Royal Thai Government were held from 9th - 11th December in Bangkok, Thailand. The Forum, marks the world's first high-level action plan on halting and reversing soil degradation and water scarcity, both critical elements for ensuring food security and a healthier environment for all. The international event attracted the participation of Heads of State, Government Ministers and technical specialists from around the world. With ministerial dialogues, thematic sessions, side events and knowledge and technology fairs, showcasing innovations, the forum aimed to pave the way for a sustainable and integrated approach to soil and water management, combining science, innovation, existing best practices and policy.

(Source: <https://www.fao.org/events/detail/soil-water-forum-2024/en#:~:text=The%20International%20Soil%20and%20Water,level%20action%20plan%20on%20halting>)

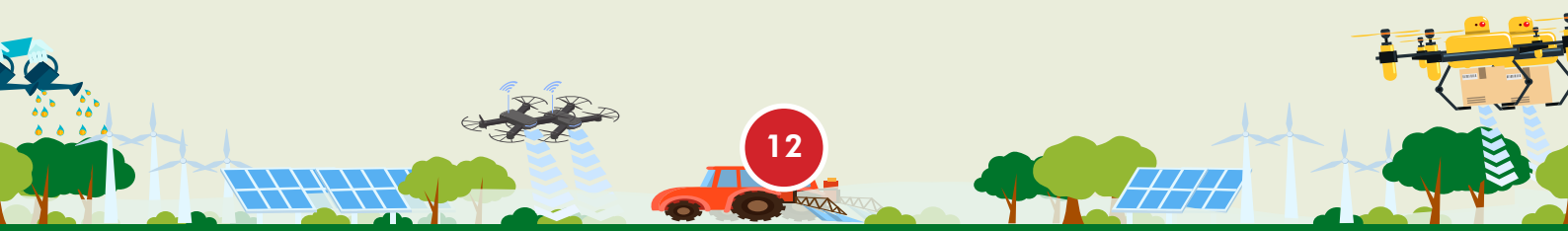


## USDA invests \$1.5B in conservation projects to support farmers, ranchers and landowners in tackling climate and natural resource challenges



The U.S. Department of Agriculture, Washington, D.C., announced \$1.5 billion in funding for 92 conservation projects under the Regional Conservation Partnership Program. These projects, supported by \$968 million in partner contributions, aim to address critical natural resource challenges, from water conservation to wildlife habitat restoration, while helping agricultural producers adapt to climate pressures. Projects include initiatives to reduce methane emissions, restore native grasslands and conserve water resources in drought-affected areas.

(Source: <https://irrigationtoday.org/news/usda-invests-1-5b-in-conservation-projects/>)



## About Irrigation Association of India

Irrigation Association of India (IAI) is an apex industry body established in 1999, representing Micro Irrigation System (MIS) manufacturing companies in India. It is a not-for-profit organization and is working towards the successful implementation of Micro Irrigation in India for the benefit of farmers.

IAI has a registered office at Pune, Maharashtra, India and corporate office at New Delhi. IAI is closely working with the central Government of India and the State Governments. The association has a strong presence in states through IAI State Chapters at Karnataka, Maharashtra, Madhya Pradesh, Tamil Nadu, Gujarat, Andhra Pradesh, Rajasthan, Uttar Pradesh, Odisha, Chhattisgarh, Haryana, Jharkhand, West Bengal, and North Eastern Region.

### What we do

- Policy Advocacy
- Knowledge Dissemination
- Capacity Building
- Convene meeting with Central/State govt. departments to apprise the industry issues
- Sectoral Conference/Workshop to promote Micro Irrigation



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