IRRIGATION ASSOCIATION OF INDIA

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IAI UPDATES

Irrigation Association of India attends a Field Visit to Gorakhpur and Rae Bareilly under the CAD-MI Project of the World Bank

The World Bank Group (WBG) organized a field visit to Gorakhpur and Raebareli districts of Uttar Pradesh on April 12th and 13th, 2024, respectively. The purpose was to evaluate the potential for integrating Micro Irrigation technologies in areas served by the Saharda Sahayal Canal under the Command Area Development – Micro Irrigation (CAD-MI) project. As part of the ongoing efforts under the UP accelerator PRAGATI, a collaboration between the 2030 WRG (World Bank Group) and the Government of Uttar Pradesh, the visit aimed to assess the feasibility of incorporating water and carbon-efficient technologies like Micro Irrigation in Uttar Pradesh's canal commands. The integration of Pressurized Piped Irrigation Systems with Micro-Irrigation technologies (PPIC-MI) has the potential to enhance water use efficiency and bridge gaps between Irrigation Potentials Created (IPC) and Irrigation Potentials Utilized (IPU). However, ensuring a continuous water supply and maintaining minimum pressures are crucial for the success of such initiatives.

Kaushal Jaiswal President IAI attends the "Climate Smart Agriculture and Agri-Entrepreneurship" Organized by Syngenta Foundation

Kaushal Jaiswal, President of the Irrigation Association of India and Managing Director of Rivulis India, participated as a distinguished panelist in a workshop titled "Climate Smart Agriculture and Agri-Entrepreneurship" on April 12, 2024. Supported by the Syngenta Foundation and the Environmental Defense Fund (EDF), the workshop aimed to explore opportunities for scaling up the adoption of Climate Smart Agriculture practices in India. During his address, Shri Jaiswal emphasized the critical challenges hindering the widespread adoption of Micro-Irrigation technologies in India. He underscored the urgent need to address the shortage of trained manpower in rural areas and to facilitate access to funding. He also referenced ongoing skill development programs initiated by the Irrigation Association of India (IAI) and the Government of Uttar Pradesh. These programs aim to equip individuals with the necessary technical knowledge and practical skills to support the implementation of Micro-Irrigation technologies across the state.

Irrigation Association of India partners with the Department of Horticulture & Food Processing Govt. of Uttar Pradesh to Organize 1st Training Programme for MI Technicians & Job Fair in Mirzapur District, Uttar Pradesh

In collaboration with the Uttar Pradesh Government's Department of Horticulture & Food Processing, the Irrigation Association of India recently conducted a training program for Micro-Irrigation Technicians from April 22nd to 25th, 2024, at KVK BHU Campus in Mirzapur. Led by experienced IAI faculty, the program trained 60 technicians in Micro Irrigation Systems' installation, operation, and maintenance. This initiative supports Uttar Pradesh's skill development and employment generation goals, aiming to cultivate a skilled workforce for the state's growing industry. These trained technicians are instrumental in ensuring system efficiency, productivity, and effective troubleshooting, thereby maximizing technology benefits and farmers' returns on investments.

On April 25th, 2024, a post-training Job Fair for Micro-Irrigation companies was held in Uttar Pradesh. The event, attended by Department Officials, MI Companies, their Dealer networks, and trained Technicians, aimed to facilitate interactions between MI Companies and dealers. Representatives seized the opportunity to engage with the trained technicians, resulting in many companies offering full-time and part-time employment opportunities. With the Micro-Irrigation industry set to expand, access to knowledgeable and skilled manpower will be vital, providing youth in the state with employment prospects in emerging sectors.

Govt. of Karnataka Introduces a Minimum area condition for Registration and Renewals under the PDMC Scheme in the state

The Department of Horticulture, Government of Karnataka has introduced a Minimum Area condition for New Registrations and Renewal of existing Registration of MI companies under the Per Drop More Crop Scheme in 2024-2025. Under the new provisions, Drip and Sprinkler Manufacturing, companies should have installed drip and sprinkler irrigation systems in at least 300 Ha and 500 Ha for Renewals and New Registrations respectively. Also, for companies manufacturing both products the minimum

area condition varies. With slow progress under the Scheme in 2023-2024 many companies are finding it difficult to meet the Minimum area condition. With the Government of Karnataka previously inviting companies to Register in the state in 2021-2022, the introduction of such provisions may adversely affect the registration of MI companies under the Scheme in the state. Irrigation Association submitted the industry presentation and apprised its adverse effect to Govt. of Karnataka.

(Source: https://hasiru.karnataka.gov.in/NewCompanayDetails.aspx)

Irrigation Association of India and Department of Horticulture & Food Processing Govt. of Uttar Pradesh to Organize 2nd Training Programme for MI Technicians & Job Fair in Jhansi District, Uttar Pradesh

Partnering with the Department of Horticulture and Food Processing, Govt. of Uttar Pradesh, the Irrigation Association of India is organizing the 2nd Training Programme for Micro Irrigation Technicians on "Installation, Operation & Maintenance of Micro-Irrigation" on 14th – 18th May 2024 at Jhansi, Uttar Pradesh. Led by experienced IAI faculty, the program targets training and employment gaps for rural youth and agricultural workers in the state. Industry-trained skilled Micro Irrigation Technicians will crucially support MI companies in installing, operating, and maintaining Micro-Irrigation systems in farmers' fields throughout Uttar Pradesh.

World Water Day Programme Highlights Importance of Water for Peace at ICAR-IARI

ICAR-IARI commemorated World Water Day 2024, focusing on the theme "Water for Peace". World Water Day celebrated on 22nd March 2024 aims to educate people about the importance of freshwater. With the achievement of Sustainable Development Goal 6 dependent on water use across sectors, the event highlighted the need for the sustainable development and management of irrigation in the country. With water scarcity a growing concern, water-efficient technologies like Micro-irrigation can play a critical role in meeting the water demands of the agricultural sector.

(Source:https://krishijagran.com/news/world-water-day-programme-highlights-importance-of-water-for-peace-at-icar-iari/

India Uses 2-3 Times More Water for Producing 1 Ton of Crop Compared to Several Developed and Developing Nation', Prof. Ramesh Chand

World Water Day on 22nd March 2024 on the theme “Water for Peace and Prosperity”. The event attended by agricultural experts, government officials, and policymakers addressed the pressing issue of water scarcity. Chief Guest Professor Ramesh Chand, Member of NITI Aayog, Govt of India shed light on the challenges facing India’s agricultural landscape particularly excessive water usage per unit production. Key highlights included an emphasis on the development of water resources including its efficient utilization. Maximizing irrigation efficiencies was key to increasing irrigated land without increasing water consumption. With the private sector playing a proactive role in the development of water resources, education can foster responsible water usage among farmers and the youth.

(Source: https://krishijagran.com/news/india-uses-2-3-times-more-water-for-producing-1-ton-of-crop-compared-to-several-developed-and-developing-nation-prof-ramesh-chand/

Wasting Each Drop, Forgoing More Crop

It is seen that the Centre makes budgetary provisions, but there has been challenges in getting state contribution on time to the implementing agency and as result the funds allocated under- "Per drop More Crop" (PDMC) have remained underutilised since its inception.

Distant Centre, Reluctant States

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MSMEs Companies & Farmers Face the Heat

AGRICULTURE TODAY | April 2024

During an interview with Ms. Anjana Tipe, Editor of Agriculture Today for its special World Water Today Edition, Shri Kaushal Jaiswal, President of the Irrigation Association of India and Managing Director of Rivulis India, delved into the transformative potential of Micro Irrigation Technologies, particularly Drips and Sprinklers, in tackling the pressing challenges encountered in the agricultural sector. He emphasized that these technologies offer innovative solutions to critical issues such as water scarcity, inefficient water use, and declining agricultural productivity. By providing precise and targeted irrigation, Micro Irrigation Technologies help conserve water resources, enhance crop yields, and improve overall agricultural sustainability.

Furthermore, Shri Jaiswal highlighted the urgent need to expedite the adoption of Micro Irrigation Technologies across India. He pointed out that despite their evident benefits, various challenges hinder their widespread uptake in the country. These challenges include limited awareness and understanding among farmers, inadequate access to financing and subsidies, logistical constraints in installation and maintenance, and regulatory barriers. Addressing these obstacles and fostering an enabling environment for the adoption of Micro Irrigation Technologies is crucial for realizing their full potential in enhancing agricultural productivity and resilience.

(Source: file:///C:/Users/nptik/Downloads/April_2024-2%20(2).pdf

Water and Agriculture: Catalysts for lasting Peace and Stability

FAO celebrated World Water Day on 22nd March 2024 with an online discussion on the theme "Water for Peace" underscoring the role of water management on socio-political dynamics. Mr. Lifeng Li Director Land and Water Division highlighted the critical need to manage water used in agriculture. With global conflicts a threat to the food security of nations, increasing agricultural production will depend on the efficient management of water in agriculture, water harvesting, and sustainable agricultural practices.

(Source:https://www.youtube.com/watch?v=5XndDCFgkQg

Department of Soil & Water Conservation, Govt. of Punjab Releases List of Vendors and Dealers under PDMC Scheme

The Department of Soil & Water Conservation, Govt. of Punjab released a List of Registered Vendors and their Dealers under the Centrally Sponsored Per Drop More Crop (PDMC) Scheme in 2024-2025. Registered Vendors and their Dealers will support the Govt. of Punjab in promoting Micro-Irrigation technologies in the state. MIS suppliers to ensure coverage of MI in water-scarce, stressed areas, critical groundwater districts/blocks, and districts with the potential of MI in the state. Companies to provide BIS-certified products under the Scheme. Implementing agencies need to publicize the Scheme at the block and village levels through its existing networks. Vegetable and sugarcane growing regions in North-Central Punjab and Cotton growing regions in Southern Punjab with productivity gaps have a good potential for integration with MI technologies.

(Source: https://tupkasinchayee.punjab.gov.in/)

National Horticulture Board Releases List of Registered Nurseries

The National Horticulture Board, Ministry of Agriculture & Farmers Welfare has released a List of Registered Nurseries for the provision of quality planting material under the National Horticulture Mission. The Nurseries, registered for a period of two years provide quality planting material for fruit crops to farmers interested in horticulture. Registered nurseries will utilize the approved infrastructure and standard production procedures to produce quality planting material for farmers. The list of Registered nurseries available on the Online Web Portal of the National Horticulture Board includes nurseries registered in the states of UP, Jharkhand, Chhattisgarh, Gujarat, Haryana, Maharashtra, Odisha, Punjab, Haryana, Uttarakhand and West Bengal. Quality planting material plays an essential role in overall productivity gains and income-generating potentials.

(Source:https://nhb.gov.in/nursery/report/nurseryreport.aspx?enc=JFg4M7VAmRWST-8gU62nUMw==)

Monitoring Changing Crop Water Demand in India using the open-source AET Portal on Bhuvan

Under the umbrella of the National Hydrology Project (NHP), the National Remote Sensing Centre (NRSC) has developed an operational Satellite-based Evaporative Flux Monitoring System for India. The system accurately estimates evapotranspiration (ET) essential for efficient crop water management, drought assessment, and irrigation scheduling. Information on ET will help monitor crop water requirements, crop phenology, better irrigation water management, and crop production estimation.

(Source: https://bhuvan.nrsc.gov.in/nhp/webgis-et/map)

Assess for the best

In the world of irrigated production agriculture, farmers usually rely on irrigation dealers to provide irrigation systems and agronomic crop consultants to help grow the crop. As irrigation systems have become more sophisticated in applying not only water, but nutrients as well, the two disciplines are merging to maximize farm profitability and optimize resource use efficiency at the same time. Assessment of Distribution Uniformity and ROI Estimator using Standards procedures helps farmers maximize productivity goals and increase their Returns on Investment thus increasing the economic feasibility of adopting capital intensive Micro-Irrigation technologies.

(Source: https://irrigationtoday.org/features/assess-for-the-best/)

Report Launch: "Transforming Crop Cultivation: Advancing Water Efficiency in Indian Agriculture"

Sattva Knowledge Institute and DCM Shriram Foundation released a Report "Transforming Crop Cultivation: Advancing Water Efficiency in Indian Agriculture" in February 2024. The report seeks to assess key challenges limiting the adoption of Water efficient technologies in two water-intensive crops in the country – rice and sugarcane. Root causes of the water crisis include invisible water pricing, a lack of market support for water-efficient crops, on- and off-farm water losses, and inadequate scaling of water-efficient conservation techniques. There are also certain barriers to adoption, including a lack of customization, awareness, financial constraints, misplaced incentives, and resistance to change. Critical levers to scale existing techniques include prioritizing farmers' economic benefits, ensuring sustained access to resources, and addressing capacity and information gaps. Collaboration among stakeholders is essential for addressing the water crisis comprehensively.

(Source:https://www.sattva.co.in/ski/water-efficiency-indian-agriculture-dcm-shriram-sattva-knowledge/)

NATIONAL NEWS

Government Subsidies for Micro-Irrigation Technologies under the PMKSY Scheme

The Government of India is providing financial assistance to farmers under the Pradhan Mantri Krishi Sinchayyee Yojna (PMKSY) interested in Micro-Irrigation. Under the Scheme, The pattern of assistance payable to the beneficiary under the micro-irrigation scheme will be 55% for small and marginal farmers and 45% for other farmers which will be met by both Central Government and State Government. State governments may provide additional subsidies to farmers in the form of top-ups with total financial assistance varying between 75%-95%. Farmers need to Register on Dedicated Online Portals of respective state governments to avail financial assistance.

(Source: https://choupalsamachar.in/sinchai-yantra-subsidy-yojana/)

What is CDP-SURAKSHA, Govt's new digital Platform to Disburse Subsidies to Horticulture Farmers?

The Govt. of India has developed a new platform to disburse subsidies to horticulture farmers under the Cluster Development Programme (CDP) — the Centre's initiative to promote horticulture crops. The platform is known as CDP-SURAKSHA. The move seeks to push the growth of India's horticulture sector, which contributes nearly one-third to the agriculture gross value addition (GVA). The CDP-SURAKSHA is essentially a digital platform. SURAKSHA stands for "System for Unified Resource Allocation, Knowledge, and Secure Horticulture Assistance." The platform will allow an instant disbursal of subsidies to farmers in their bank account by utilizing the e-RUPI voucher (more on this later) from the National Payments Corporation of India (NPCI). CDP is a component of the central sector scheme of NHB and is currently working in 55 Clusters, covering 10 Lakh Farmers. Cluster approaches are open to government and private investments.

(Source: https://indianexpress.com/article/explained/cdp-suraksha-horticulture-9262824/)

Mango output to see 14 pc rise this year; heat wave unlikely to impact yields: ICAR-CISH Director

According to the ICAR-Central Institute for Subtropical Horticulture, India's overall mango production may increase by about 14 percent to 24 million tonnes this year. The India Meteorological Department's forecast of a heat wave in the April-May period may not have a significant impact on the mango yield, provided farmers take care of irrigation during May to reduce excessive fruit dropping. Above-normal heatwave days are likely to occur

over most parts of the south peninsula, central India, east India, and plains of northwest India. Mango is an important fruit crop in India and popularly called the 'King of Fruits'. in the event of an above-normal heat wave, farmers are required to take precautions and address the soil moisture stress by ensuring mild irrigation, thereby reducing fruit-dropping

(Source:https://economictimes.indiatimes.com/news/economy/agriculture/mango-output-to-see-14-pc-rise-this-year-heat-wave-unlikely-to-impact-yields-icar-cish-director/articleshow/109002885.cms)

Small Farmers Agri-Business Consortium Haryana" (SFACH)

Small Farmers Agri-Business Consortium Haryana" (SFACH), a Registered Society involving the Department of Agriculture, Horticulture, Animal Husbandry and other allied Departments, Government of Haryana has released a list of Horticulture Clusters for the state of Haryana. Primarily involving the cluster development of horticultural fruits and vegetables in the state, SFACH is focused on increasing the incomes of small and marginal farmers through aggregation and development of agri-business.

(Source: http://sfacharyana.in/About)

2.5 lakh ponds of the Country have Disappeared, could have stopped the water Crisis in Cities

With the summer season emerging and many cities facing water shortages, there is a growing concern surrounding the decline in surface water bodies especially tanks and ponds in the states. With surface water bodies an important source of water, mismanagement, and growing encroachments have resulted in their drying and gradual decline. According to the Ministry of Jal Shakti, there are approximately, 14 lakh tanks/ponds in India with states like Uttar Pradesh and Assam having a vast majority. Storage of surface water in ponds and tanks can address growing concerns of scarcity.

(Source:https://www.tv9hindi.com/knowledge/encroachment-on-lakhs-of-ponds-and-water-crisis-in-in-dia-earth-day-2530405.html

Optimising Drip Irrigation: Must-know Mechanisation Strategies

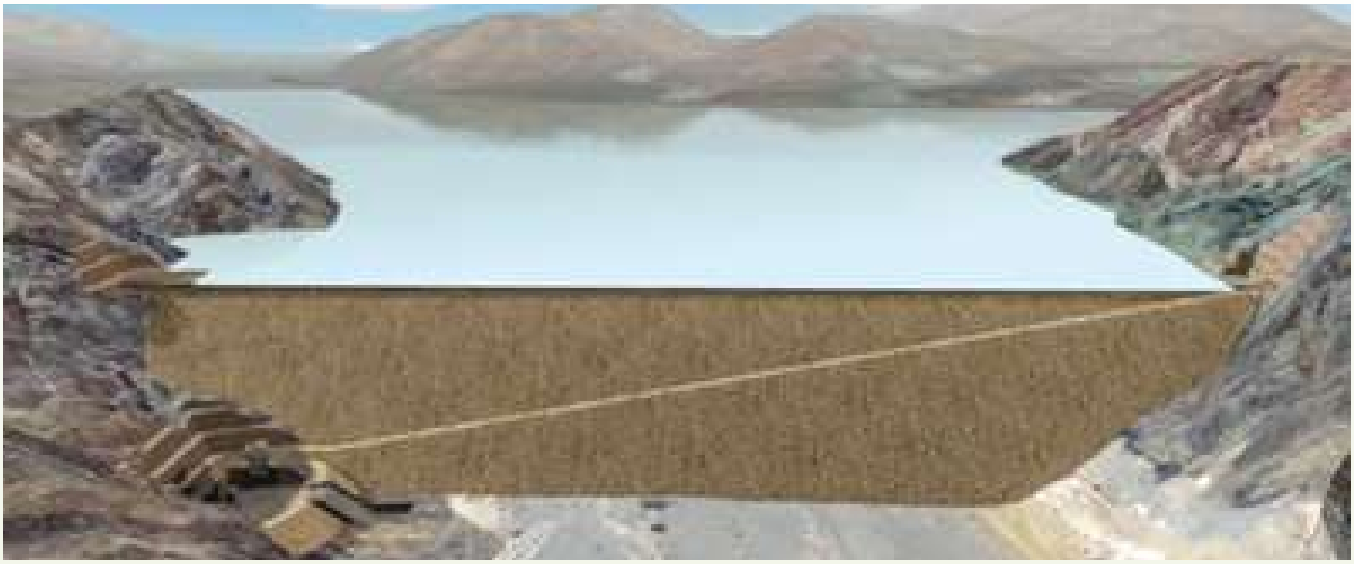
Amidst increasing water scarcity due to climate change, South Africa's agriculture sector grapples with the challenge of water conservation. As the largest consumer of water, efficient irrigation methods are vital. Farmers face a delicate balance between saving water and maintaining profitability, especially considering the impact of irrigation systems on mechanized tasks like planting and harvesting. Precision agriculture offers a solution by integrating modern techniques with mechanized farming. This article explores the relationship between drip irrigation systems and mechanization, advocating for a synergy between precision agriculture and advanced irrigation design. By optimizing both irrigation and mechanized operations, farmers can reduce costs and enhance profitability in the face of water scarcity.

Source: https://www.foodformzansi.co.za/optimising-drip-irrigation-must-know-mechanisation-strategies/

CCC, Hatch to help Peru Deliver largest drip Irrigation Project in the World

The Canadian Commercial Corporation (CCC) sealed a significant government-to-government (G2G) agreement with Peru's Ministry of Agricultural Development and Irrigation to facilitate the third phase of the monumental $750 million CHAVIMOCHIC infrastructure venture. Leveraging Canadian expertise from Hatch, Canada secured the contract in December 2023 through a rigorous G2G procurement process.

CHAVIMOCHIC project stands as a cornerstone for the economic prosperity of northern Peru, culminating in the construction of the Palo Redondo Dam. This crucial infrastructure will harness water from the Santa River to irrigate the Chao, Virú, Moche, and Chicama Valleys while generating hydroelectric power. Upon completion, it will rank as the world's largest drip irrigation initiative, opening up 63,000 hectares of new arable land and enhancing farming practices across La Libertad's existing 48,000 hectares. Moreover, it promises reliable potable water for 40,000 families and a surge of over 150,000 job opportunities. Anticipated to triple agricultural exports to $1.2 billion annually, the project marks a transformative leap for northern Peru's agricultural and agribusiness sectors.



Source:https://ca.finance.yahoo.com/news/ccc-hatch-help-peru-deliver-170800659.html?guce-counter=1&guce_referrer=aHR0cHM6Ly93d3cuZ29vZ2xlLmNvbS8&guce_referrer_sig=AQAAADYhNZjOKs8TXuA0M3Whki27vJNNqPNJEG3zK_gNIowgALwAuso7z88AM8B2Z0BQfZMx-bYgi606ewzqQXfz5AHvb-d3_NiY3AfjOEukX_4FTfpd6Z2zHiKnHKjeMc5kXZXrYjAvRwflvVHETcI-Qn2s8wgI59H1_kwJDuyZ7KSbK

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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