

# IRRIGATION ASSOCIATION OF INDIA

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## Meeting with Shri Anuj Kanwal, Commissioner CADWM & Bureau of Water Use Efficiency, Ministry of Jal Shakti

Ministry of Jal Shakti (MoJS) has come up with a scheme for Smart Irrigation in the irrigation commands of India by development the Pressurized Pipe Irrigation Command (PPIC) system. In order to successful implementation of the PPIC outside the farm need to be linked with the MI component in the farm.

To finalize the scope of the Smart Irrigation scheme, Shri Anuj Kanwal, Commissioner CADWM & Bureau of Water Use Efficiency, MoJS hosted a meeting wherein Irrigation Association of India was invited to share its inputs on technical design and industry prospective. The meeting was attended by Shri Randhir Chauhan, former President of IAI, Shri Kaushal Jaiswal, Senior Vice President, Shri Jayant Jain, Chair of the Technical Committee, and other members. Later, Irrigation Association of India submitted a representation to MoJS.

## IAI President and Sr. VP met Shri Franklin Khobung, Joint Secretary, MoA & FW, Govt. of India

IAI President and Sr. VP met Joint Secretary, MoA & FW, Govt. of India to apprise the concerns withing the Micro Irrigation Industry regarding the merger of PDMC scheme with the Centrally supported RKVY scheme, fund release under PDMC Scheme will depend on utilization of funds of all schemes subsumed into RKVY causing delays in implementation under PDMC and achievements of visions of the sector. Running the scheme in Mission Mode with a dedicated Joint Secretary, monitoring system, and fund flow will help ensure the timely disbursement of subsidies allocated exclusively to the PDMC Scheme, an important factor in achieving targets.



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## IAI-Tamil Nadu State Chapter Meeting

IAI held its Tamil Nadu State Chapter Meeting on 5th September, 2023 at Hotel Ramada, Chennai. The meeting was chaired by Mr. Victor Francis, Chairman State Chapter Executive Committee and presence of IAI EC members and Director, State Chapter EC members and MI industry representatives working in the state.

During the meeting Director, IAI announced the Chair, Co-Chair, EC Member, and Secretary of IAI- TN Chapter; and also deliberated on the current issues with regards to the PDMC scheme. Subsequently, IAI- TN Chapter met

and submitted a detailed representation apprising the concerns particularly related to timely review, verification, monitoring and release of payments of the industry with Managing Director, TANHODA - State Nodal Agency for implementation of the PDMC Scheme



## Meeting with Principal Secretary, Department of Agriculture, Govt. of Odisha

On request of Irrigation Association of India, Dr. Arabinda Kumar Padhee, IAS Principal Secretary Agriculture, Govt. of Odisha hosted a virtual meeting to discuss on the issues related to implementation of PDMC scheme in the Odisha. The meeting was attended by IAI – President, Sr. VP, Director and State Chapter members.

In the meeting IAI emphasized to the need of a robust IT portal, dedicated manpower, regular view, monitoring mechanism. IAI also apprised the concern with regards to sudden increase in Bank Guarantee and solicited Principal Secretary to consider if possible.

## Training Program On Working Of Upmip Portal

The Irrigation Association of India (IAI) organized a Training program on the functionality of the UPMIP portal on September 17, 2023, at the Radisson Hotel in Lucknow, Uttar Pradesh.

Shri Atul Kumar Singh, Director of Horticulture for the Government of Uttar Pradesh, graced the occasion as the Chief Guest, while Mr. Kaushal Kumar, Nodal Officer – PDMC, Government of Uttar Pradesh, was honoured as the Guest of Honor.



## Use of Geospatial Technologies in Monitoring Government Schemes

The National Remote Sensing Centre (NRSC), ISRO has developed an Android SMART phone-based mobile app called Bhuvan-PDMC. The App utilizes existing Geo Tagging technologies for mapping assets created under the Per Drop More Crop Scheme. Designed exclusively for field data collection under the project, the App uses Geo-tagging technologies to add geographical data to media like photos for mapping of assets provided to farmers under the Scheme.



The App enables Micro Irrigation Companies installing Micro Irrigation Systems in farmers' fields to upload Geotagged Photos of Beneficiaries. Linked to ISRO's web-based open Geospatial Portal Bhuvan it provides State Nodal Agencies involved in Monitoring Progress under the Scheme with Real-time Data of physical progress in the field. It helps in inventorying the assets, bringing transparency, reporting, and planning of assets. The National Remote Sensing wing of ISRO has been providing technical support to the Rainfed Farming Systems (RFS) Division of the Ministry of Agriculture & Farmers Welfare (MoA&FW) responsible for implementing the PDMC Scheme.

(Source: <https://pmksy.gov.in/>)

## Odisha Agro Industries Corporation Limited (OAIC) promoting Sprinkler Irrigation



Odisha Agro Industries Corporation, a Government of Odisha undertaking is promoting the adoption of sprinkler irrigation (Portable, Mini & Micro Sprinkler & Rain Guns) in the state. Access to sprinkler irrigation will increase the productivity & income of crops through precision water management and water use efficiency. Micro Irrigation will be provided to farmers constructing shallow tube wells under the Jananidhi 2 Scheme. Manufacturers Registered with the Department of Horticulture under the RKVY-PDMC Scheme and empanelled with OAIC will be permitted to provide these services.

(Source: <https://odishaagro.nic.in/#/about-us>)



## Recognition of Dealer Networks in Rajasthan

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The Commissionerate of Horticulture, Government of Rajasthan, the State Nodal Agency (SNA) for implementation of the Per Drop More Crop (PDMC) Scheme has permitted Dealers/Agent Networks of Micro Irrigation Companies working in Rajasthan to work with farmers. The Terms of Reference (ToR) issued by the Commissionerate of Horticulture for Registration of MI Companies requires Companies share the details its Dealer Networks in the state at the time of Registration.

(Source:<https://www.tourism.rajasthan.gov.in/content/agriculture/en/Directorate-of-Horticulture-dep/schemes/national-mission-on-micro-irrigation.html> )



## Micro-irrigation push for sugarcane due to water crisis in Haryana

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With around 42% of villages in Haryana facing a water crisis, the state government has proposed to start micro irrigation for sugarcane crops instead of flood irrigation to manage the situation. It has also proposed to allocate Rs. 6598 crore in the budget to the irrigation and water resources sector for 2023-24 which is an increase of 29.9 %

Source-<https://timesofindia.indiatimes.com/city/chandigarh/micro-irrigation-push-for-sugarcane-due-to-water-crisis/articleshow/98195469.cms?from=mdr>



## Godrej Agrovet, SBI to launch finance offering for Indian oil palm farmers



Godrej Agrovet's oil palm business launched a finance offering for oil palm farmers in partnership with the State Bank of India. Under the offering oil palm farmers from the states of Telangana, Tamil Nadu, Odisha, Assam, Manipur, and Tripura can now easily avail of loans of INR 1 lakh to INR 50 crores for setting up micro irrigation facilities in their farms. In an effort to introduce sustainable oil palm farming, micro-irrigation can help improve the productivity of the oil palms.

(Source: <https://agriculturepost.com/bfsi/godrej-agrovet-sbi-to-launch-finance-offering-for-indian-oil-palm-farmers/>)

## PepsiCo Partners with Cropin to Launch Crop Intelligence Model for Indian Farmers

PepsiCo India has announced a crop and plot level predictive intelligence model to help farmers maximize potato yields. Launched in collaboration with Cropin, the 'Precision Agriculture' model is being implemented as a pilot project in Gujarat and Madhya Pradesh. The Functional dashboards on user-friendly mobile apps provide farmers with advanced forecasts of crop yield and health, water stress, pest and disease, and early warning systems in potato crops.

(Source: <https://krishijagran.com/industry-news/pepsico-partners-with-cropin-to-launch-crop-intelligence-model-for-indian-farmers/>)



## New Soil Health Card Scheme

The Government of India has merged the Soil Health Card Scheme (SHC) with the Rashtriya Krishi Vikas Yojana (RKVY). Now known as 'Soil Health & Fertility', this RKVY component in addition to soil sampling, testing, and generation of Soil Health Cards also includes a Geographic Information System (GIS) integrated Soil Health Card Portal, a Mobile app for collection of Soil Data and provisions for setting up Village Level Soil Testing Labs (VLSTL). Soil Health Cards (SHC) help farmers scientifically recommend the application of fertilizers based on existing levels of soil macro and micronutrients.

(Source: <https://pib.gov.in/PressReleasePage.aspx?PRID=1947891>)



## ADB, India Sign \$130 Mn Loan To Promote Horticulture In Himachal Pradesh

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The Government of India and the Asian Development Bank (ADB) have signed a \$130 million loan agreement to increase agricultural productivity, improve access to irrigation and promote horticulture agribusinesses in Himachal Pradesh. The project will improve on-farm irrigation and water management by rehabilitating or building new irrigation schemes and strengthening the capacity of WUAs for micro-irrigation management.

(Source: <https://www.outlookindia.com/business/adb-india-sign-130-mn-loan-to-promote-horticulture-in-himachal-pradesh-news-294145>)

## BIS IS 14606 - 2022 for Media Filter

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The Bureau of Indian Standards (BIS) has revised the Standards of Media Filters used in Irrigation Equipment in 2022. Used to filter organic and inorganic impurities in water, companies manufacturing Media Filter used in Micro Irrigation Systems (MIS) need to ensure compliance with the revised Standards IS 14606: 2022. Currently, companies are manufacturing Media Filters with BIS Standards

(Source: [https://www.services.bis.gov.in/php/BIS\\_2.0/bisconnect/standard\\_review/Standard\\_review/Isdetails?ID=MjcyNDE%3D](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/standard_review/Standard_review/Isdetails?ID=MjcyNDE%3D))

## Govt to recast flagship PMKSY into smart irrigation scheme

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Jal Shakti Ministry, Govt of India intends to transform the flagship Pradhan Mantri Krishi Sinchayi Yojana (PMKSY) into a Smart Irrigation Scheme. This aims to boost on-farm water-use efficiency by 20%, potentially saving around 50 billion cubic meters of water. The revamped PMKSY will prioritize surface-water use and establish last-mile irrigation connections managed by registered farmer organizations. These projects will utilize Internet of Things (IoT) technology, allowing water users to request water based on their needs.

(Source: [https://www.hindustantimes.com/india-news/govt-to-recast-flagship-pmksy-into-smart-irrigation-scheme-101685992085518mp.html?utm\\_source=whatsapp&utm\\_medium=social&utm\\_campaign=ht AMP](https://www.hindustantimes.com/india-news/govt-to-recast-flagship-pmksy-into-smart-irrigation-scheme-101685992085518mp.html?utm_source=whatsapp&utm_medium=social&utm_campaign=ht AMP))



# Micro-irrigation systems: Opening up new farming possibilities in India

Indian farmers have shifted from growing traditional crops to commercial crops with the help of modern technology and micro-irrigation systems. The integration of drip and sprinkler irrigation in Greenhouse cultivation, underground pipeline conveyance systems, reuse of treated water, solar pumps and automated irrigation can help improve water use efficiency in crops. Farmers may tap on funds available with NABARD or corporates like Pepsi Co to adopt micro irrigation in their farmers.

(Source: <https://www.indiawaterportal.org/articles/micro-irrigation-systems-opening-new-farming-possibilities-india>)





## Global Micro-irrigation System Market is expected to be worth US\$ 21,735.2 Million at a CAGR of 10.1% by the forecast period 2033

The global micro-irrigation system market is experiencing significant growth due to increasing water scarcity concerns and the need for efficient irrigation solutions. The global micro-irrigation system demand is forecast to increase at 10.1% CAGR. One of the primary drivers is the increasing global water scarcity. Technological advancements such as sensor-based irrigation scheduling, remote monitoring and control, and automation have also made these solutions popular in the irrigation industry.

(Source: <https://www.globenewswire.com/en/news-release/2023/05/31/2678969/0/en/>)

## Without water, we are nothing Spain's crippling drought reignites tensions over Tagus river

Spain is experiencing a crippling drought with weather forecasts of the country predicting water shortages for the entire agrarian belt. With water levels in the Tagus river basin declining and the government forced to reduce water allocations, SMART water-efficient micro-irrigation technologies like drip irrigation are helping farmers in the country scientifically manage scarce water resources, protect their crops from the effects of continued droughts and sustain yields.

(Source: <https://www.france24.com/en/europe>)

## Central Asian River levels poised for dramatic plunge, forcing urgent measures

Uzbekistan is forecasting water shortages in two river basins meeting the water requirements of the country. The Uzbek government has shortlisted a series of measures to tackle to the issue of growing water scarcity. This includes the introduction of subsidies/loans for installation of water saving equipment and digitalization of equipment used to channel water from rivers to users. The management of water is essential to reduce the social and economic impact of droughts.

(Source: <https://eurasianet.org/central-asian-river-levels-poised-for-dramatic-plunge-forcing-urgent-measures>)





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