Proceedings of the Interface meeting between ICAR-IIWM and Water Resources Department (Govt. of Odisha) held on 1st August 2023 at ICAR-IIWM, Bhubaneswar

An interface meeting between the scientists of ICAR-IIWM and Officials of Water Resources Department (Govt. of Odisha) was held on 01-08-2023 at 5.00 PM in the Committee room of the institute under the chairmanship of Director, IIWM to discuss possible future collaborative pilot research project as per the Proceedings of the State Level monitoring Committee on CAD&WM held on 15th July 2023. The following officials participated in the interface meeting.

1. Dr.Arjamadutta Sarangi, Director, ICAR-IIWM
2. Sh. R. R. Nayak, Director, CAD-PIM and PD, OIIPCRA, WR Dept., Govt. of Odisha
3. Er. B. Soren, C.E., CAD &WM
4. Er. T. C. Sethy, Joint Director, Survey & Planning
5. Er. Bibhudendu Pradhan, S.E., CAD & WM
6. Er. D. Panigrahi, A.E.E., CAD & WM
7. Dr. R. K. Panda, P.S.
8. Dr. S.K. Rautaray, P.S.
9. Dr. M. Raychaudhuri, P.S.
10. Dr. P. Nanda, P.S.
11. Dr. S.K. Jena, P.S.
12. Dr. K.K. Bandyopadhyay, P.S.
13. Dr. S. Mohanty, P.S.
14. Dr. D.C. Sahoo, P.S.
15. Dr. A.K. Thakur, P.S.
16. Dr. Ashok K. Nayak, P.S.
17. Dr. P. Panigrahi, P.S.
18. Dr, S. Pradhan, S.S.
19. Dr. D. Sethi, Scientist
20. Er. Ajit K. Nayak, Scientist.

At the outset, Director of the institute welcomed all delegates of Water Resources Department, Govt. of Odisha. The meeting started with the self-introduction of all the participants.Thereafter, Director, IIWM presented an overview of advanced On farm water management (OFWM) concepts on volumetric water measurement using an indigenously developed IoT enabled digital water measuring modified flume fitting to the size of field channels of any Canal command; Ultrasonic sensor based water depth measuring device; Soil moisture sensor based and IoT enabled irrigation scheduling device with special reference to the minor irrigation commands. Further, the present *warabandi* system adopted by CAD&WM and crop-water demand based irrigation schedule was discussed. It was followed by the briefing of Dr. R.K. Panda on recent research highlights of ICAR-IWMI collaborative project on Enhancing economic water productivity in canal command and Agri-CRP on Water on Canal automation in *Darpanarayanpur* MIP, Nayagarh, which are being taken up under canal water management programme. During the discussion, Director, CAD-PIM inquired in detail about IoT based open channel volumetric water measuring device and its installation under field condition, digital in-situ soil moisture measurement, data transfer from device to cloud server and back to smartphone, etc., which are developed by the Institute, to which, Director of the institute explained in detail.

All participants presented their view points for effective implementation of the advance on-farm water management techniques; especially volumetric quantification of irrigation water at farmers' field level, which will enable demand based irrigation rostering. Finally, Director, CAD-PIM expressed his satisfaction about various activities taken by ICAR-IIWM and agreed upon initiation of two pilot research projects jointly with ICAR-IIWM and WR Department (CAD & WM wing), Govt. of Odisha emphasizing on volumetric quantification of irrigation water at field level using IoT enabled sensor based irrigation water measuring device developed by ICAR-IIWM. The meeting ended with a formal vote of thanks by Dr. R.K. Panda.