

Report on Technical Meeting held on 6th February 2023 by IWA Jaipur centre

A Technical Meeting was organised by IWWA Jaipur Centre on 6th February 2023 at 6 PM in the Seminar Hall of Civil Engineering Department of MNIT, JLN Marg Jaipur.

The meeting was chaired by Mr. O.P.Goyal, Chairman Jaipur centre. It was attended by large number of M.Tech. students and research scholars of MNIT, Faculty members of MNIT and members of IWWA. Mr. O.P.Goyal spoke about the initiative taken by IWWA to involve students in its activities and make them focal point. He invited students to join IWWA in large numbers so that dedicated activities could be undertaken for student members specifically.

Dr. A.B. Gupta, Professor Civil introduced the speaker Dr. Dinesh Poswal, who is an Alumni of MNIT.



Dr. Poswal spoke on the topic of “Constructed wetlands: an economic alternative for wastewater treatment for rural and urban communities”.



He pointed out problems of high capital investment, high operational cost and difficult upkeep required by the existing conventional treatment process. He emphasised upon use of Integrated Natural Treatment systems. He explained about the various modules developed by him to suit different sizes of villages/towns and treatment requirements. The models he talked about were:

- a. Constructed wetland with polishing Pond for water bodies
- b. MBAR with constructed wetland for villages/Peri urban/Urban localities with decentralised treatment systems
- c. MBBR with constructed wetland for Peri urban and Urban settlements for Centralised treatment systems
- d. Integrated NTSS for FSSM for Peri urban and Urban settlements

He has designed such treatment plants with constructed wetlands and constructed around 45 plants so far in Himachal Pradesh, UP and Bihar and one is under development in Rajasthan at Andhi.

He emphasized upon use of Appropriate Wastewater Treatment Technology (AWTP), which is the need of the day. These facilities can be owned, operated and maintained by the local community. In Indian conditions where a major part of the total population resides in small towns and villages, eccentric technologies are expected to be adequate strategy for the management of wastewater in rural areas and smaller towns.



The presentation involved lot of interest in use of appropriate technologies for handling wastewater in rural areas, particularly in the context of JJM program being implemented in all states. Dr. A. B. Gupta, Professor, Civil Engineering summed up the discussions and congratulated the speaker for a very useful and interesting presentation. Meeting ended with thanks to all participants and the speaker.

O.P.GOYAL
CHAIRMAN 6.2.2023