

Participatory Irrigation Management in Micro Irrigation project in Rajasthan

The Narmada (Sanchole) project in Rajasthan is one of the successful case of using micro irrigation through Participatory Irrigation Management (PIM) during the period 2013-14. In this intervention implemented by Government of Rajasthan, use of micro irrigation technology like sprinkler and drip irrigation were mandated. Enforcement of Participatory Irrigation Management was made under which 2236 Water Users Association (WUA) were formed for effective water management. Activities included bio drainage in command area and tree plantation along the 1570 km length of canal, selection of salinity resistant crops. The sprinkler system helped in increase of Culturable Command Area (CCA) increased from 1.35 Lac hectares to 2.46 hectares and has also addressed issues problems of salinity, soil moisture, drainage thus improving soil health. The food production has increased from 534 cr. to 1480 cr. i.e. by 946 cr. (277%) based on year 2013-14. 20% of the area has been dedicated to growing Kharif crop in the modified project.

Source: Selected Best Practices In Water Management, Aug 2017, NITI Aayog