

LAND & WATER MANAGEMENT

KEY TO RESOURCE EFFICIENCY

Spurred by the growing evidence of the changing trends in resource use, we are attempting to integrate land, water and crop management. This endeavor will be blended with technology innovation and data sharing to accelerate improvement in resource-use efficiency, raise water productivity and align progress with SDGs.

We have rolled out the Land and Water Management pilots at two locations - Distributary (Dy) no. 17 at head reach near Gangavathi town in Koppal District and Dy- 95, the tail end distributary in Sirwar Taluka, Raichur District of the Tungabhadra Left Bank Canal (TLBC).

The pilots are guided by scientific observations on:

1. LAND AND LAND USE CHARACTERISTICS, WATER AVAILABILITY (RAINFALL, SURFACE WATER AND GROUNDWATER), PREVAILING WATER DISTRIBUTION, APPLICATION AND USAGE PATTERNS
2. VIABLE MODEL OF WATER ALLOCATION WITH BETTER EQUITY, INCREASED COMMUNITY PARTICIPATION USING ALL TECHNOLOGICAL ADVANTAGES IN WATER MANAGEMENT AND ADDRESSING THE ISSUES OF CONFLICTING INTERESTS.

The pilots aim to:

- Quantify water supply and demand on near to real time basis to promote integrated and data-based solutions at all levels - technical, institutional and governance
- Estimate crop water requirements based on extent and stage of crop area, soil type, weather parameters etc.
- Make land and water management more inclusive and adaptive
- Strengthen knowledge management systems and access to information, support capacity building in LWM
- Increase communication and outreach with farmers/WUCS
- Mainstream investments in LWM to catalyze adoption of these practices as a strategic component of food security and climate change adaptation

IN DAYS TO COME WE'LL CONTINUE TO BRING YOU ALL UPDATES FROM OUR PILOT SITES.

YOUR INTEREST IN OUR WORK CONTRIBUTES TO THE MOMENTUM WE NEED TO REALISE MEANINGFUL CHANGE.

The LWM pilots are informed by the characteristics of ecosystem processes and the communities who live in, and/or depend on these resources followed by suitable technical interventions.

Kritsnam Technologies (Technical Support Agency) and Janakalyana (Support Organization) are supporting the implementation of the LWM plans.

