



**University of Agricultural Sciences, Bangalore**  
**Centre of Excellence on Watershed Management - REWARD**  
**GKVK, Bangalore 560 065**

**Mob: 9448686638**

**e-mail: [socoerewarduasb@gmail.com](mailto:socoerewarduasb@gmail.com)**

No. CoE-WM/ Pilot studies/102/2023-24

Date: 21/06/2024

To,

The Director  
National Institute of Technology Karnataka  
Srinivasnagar, Surathkal  
Mangalore-575 025

Sir,

Sub: Awarding Ph.D. Fellowships as part of pilot studies under REWARD program-reg  
Ref: Approval of 5<sup>th</sup> PTC meeting of REWARD program, dated: 03.05.2024

The Centre of Excellence on Watershed Management (CoE-WM), established under the aegis of World Bank funded REWARD program, GoK, has a mandate to conduct advanced scientific research in the areas of watershed management. A brief note on REWARD program is enclosed for information. In this regard, the CoE-WM wants to initiate action research on pilot mode through Ph.D. research by offering **Six Fellowships** (on the lines of ICAR norms) from the current academic year on Competitive Mode.

The students pursuing Ph.D. in the disciplines of Agricultural Engineering, Soil and Water Engineering, Irrigation and Drainage Engineering, hydrology and water resources engineering, from the relevant institutes/ universities in Karnataka, are eligible to avail fellowships. The thematic areas considered for research are:

1. Estimating runoff in ungauged watershed based on data generated in pilot watershed in REWARD project areas
2. Irrigation scheduling based on soil moisture, Leaf Area Index (LAI) and other parameters
3. Retrieval of root zone soil moisture from surface soil moisture by using remote sensing data
4. Impact of bunding on soil moisture, crop and farmer in a treated watershed compared to untreated/ control watershed
5. Leaf Area Index (LAI) to calibrate crop models for different crops

The studies to be conducted in model micro-watersheds in each REWARD program operating District to study the hydrological parameters.

Hence, it is requested to encourage the eligible students to submit the detailed proposal in the prescribed format (enclosed) to the Special Officer, CoE-WM, UAS, GKVK, **on or before 10.07.2024**. The eligibility criteria and format to submit the proposal are enclosed to the letter.

Thanking you,

Yours faithfully,

  
21.6.2024  
Special Officer  
**Special Officer**  
Centre of Excellence on Watershed  
Management (REWARD)  
UAS, GKVK, Bangalore-560 065