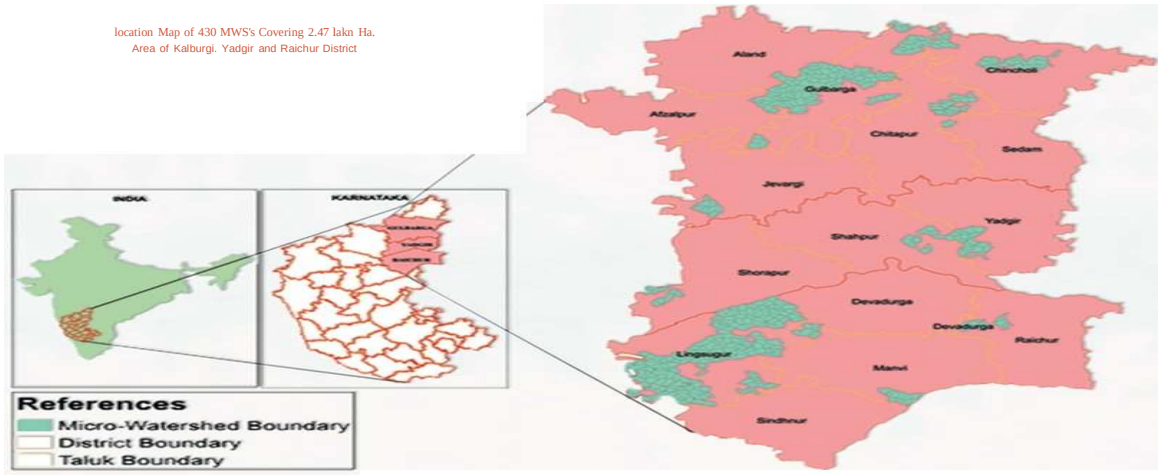
SUJALA-III PROJECT

Karnataka Watershed Development Programme - II

"Support for improved program integration under rain-fed areas"

- UAS, Raichur under MoU with Watershed Development Department, GoK, Bengaluru (2014) and being funded by "The World Bank" made operational of Sujala-III project to strengthen the science base watershed planning and management of 430 MWS through research, innovation and data base development pertaining soil related constraints and potentials coupled with hydrological, climatic and Socio-economic dynamics spread across Raichur, Kalaburgi and Yadgir districts with total outlay of Rs 1681.21 Lakhs.



Location Map of selected Micro-Watersheds for detailed LRI studies under KWDP-11, Sujala-III Project, UAS, Raichur

- To accomplish the objectives, advanced RS & GIS lab, Soil Testing Laboratory (STL) and Data Centre have been established at Agricultural College, Raichur and also strengthened the STL at AC, B'gudi, Kalaburagi and Socio-economic lab at AC, Kalaburgi. The Dept. of Soil Water Engineering at CAE, Raichur has been strengthened with advance instruments for study of hydrological and climatic research.

Project review by Hon'ble Principle Secretary (Agriculture), GoK and Hon'ble Vice Chancellor of UASR at RS&GIS lab, AC, Raichur

Soil & Water Conservation measures at Dotikol SWS, Kalbugi and review by the WDD and the World Bank officials

Achievements

- The data base of detailed Land Resource lnventorization of 430 micro-watersheds provides classified thematic (High resolution) for sustained end use
- Establishing Digital Library & Portal to facilitate watershed & other line Departments to access the database for improved program planning, integration, implementation, evaluation and scope for querry, decision making and scenario suitability building.
- Development of Decision Support System to provide real-time access solution to develop and manage soil & water conservation measures, water budgeting, crop suitability, nutrient management at farm level.
- Assessment of Sub-watershed on scientific lines to identify best management practices and researchable issues.
- Assisting in Micro-watershed planning at farm level through distributing LRI cards (65,000)
- Provided crop plan and its suitable interventions for each land holding for optimal crop productivity
- Bringing out the status on distribution of Zinc and Iron levels at each land holding and recommended dosage of application in Raichur, Yadgir and Kalaburgi districts
- 137 Soil series, 42 Bench mark Soil series (covering > 1000 ha area) have been identified and classified under different parent material help to converge common agronomical best management practices
- Appropriate soil water conservation measures have been designed and developed for 20 MWS (16,000 ha) in Kalaburgi, Raichur and Yadgir districts.

Exit strategy

The exit strategy have been initiated from January 2020 for period of five years with the objective of data base updating time to time and again sustainability of integrated systems that have been established (Digital Library, Portal, Decision support systems and mobile applications) for 42 bench mark soil series identified under Sujala-III project, covering 2.07 lakh ha under Kalaburgi, Raichur

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