

## 10. VILLAGE INFORMATION SYSTEM

Project Investigator	: Mr. H. Hemanth Kumar
Budget	: Rs. 26.20 lakhs
Funding	: DST – GOI
Duration	: 2 years

### Background:

The concept of Village Information System was identified through a consultative working group meeting held at Andhra University, Vizag during 11-12 November, 2014 coordinated by DST-GOI. The PI of this project is a member of the working group. The Village Information System project is envisaged to comprise of spatial data on demography, natural resources, climate, land use land cover patterns and socio economic aspects etc. to aid and support the decision makers and planners to make informed decision-making at village level. Council is a partner in DST - GOI funded innovative programme on the development, validation and standardization of data structure and the optimum data requirements for providing village information system at cadastral level.

The Council has identified two locations in Karnataka for this R&D project i.e, Awaradi and Hirenandihalli Grama Panchayaths in Bailhongal Taluk, Belagavi district and Bilikere Grama Panchayaths in Mysore district. Study area is identified based on contiguity of villages and further the selected villages also represent different agro climatic zones.

The Council brought out guidelines for preparing cadastral level base map for villages using existing cadastral maps, High Resolution Satellite Imageries and through field survey.

### *Status of Cadastral Mapping, Soil & Water analysis and Procurement of equipment/materials:*

- ✓ The Project Investigator prepared a report entitled “Preparation of Digital Base (cadastral) maps from existing non-earth cadastral Maps, RS Data Products and field survey”. The procedure is being widely circulated to the experts for eliciting their suggestions to improve the procedure and documentation. The final version of this document is expected to be ready by November/ December, 2016.
- ✓ The surveying and mapping of two Gram Panchayaths containing 8 villages is under progress. The parcel wise data capture is almost complete and currently involved in the extraction of Hissa from the parcel boundaries.
- ✓ Settlement and asset mapping is under way and expected to be completed by January, 2017 for two GPs.

- ✓ Necessary inputs from survey Settlement and Land records department has been obtained and few datasets are still to be received from the department.
- ✓ The water sampling and analysis is complete for all the three Grama Panchayaths for pre-monsoon period and now in the process of collecting post monsoon water samples.
- ✓ Soil samples are to be analysed by the University of Agricultural Science, Bangalore.
- ✓ Procured Laptop, GPS enabled devices and EC/temperature water tracer.
- ✓ Procurement of HRSI from NRSC is under progress.

