

1. Name of the Project :

Installation of Automatic Data Acquisition & Real Time Data Transmission System through Satellite for Water Level, Rainfall & Snow measurement at **17th Mile Katao, Gurudongmar Lake , Yumesamdong, Dambong , Thangu , Yumthang Valley ,Dambong Zero , Lachung , Samdong, Zema and Lachen** in North Sikkim.

2. Why project is required and what is the use of it?

Ministry of Jal Shakti, Department of Water Resources and Ganga Rejuvenation, Govt of India has a nation wide plan to install Automatic Data Acquisition & Real Time Data Transmission System (Telemetry stations) for flood moderation and forecasting activities.

The Scheme "Development of Water Resources Information System (DWRIS)" is a Central Sector Scheme of the Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga Rejuvenation (MOWR, RD & GR), Govt. of India being implemented by Central Water Commission (CWC). The rationale of such an ambitious scheme has coherence with the National Water Policy-2012, which states that "appropriate institutional arrangements for each river basin should be developed to collect and collate all data on regular basis with regard to rainfall, river flows, area irrigated by crops and by source, utilizations for various uses by both surface and ground water and to publish water accounts on ten daily basis every year for each river basin with appropriate water budgets and water accounts based on the hydrologic balances". Under this national scheme, the flood forecasting by Central Water Commission(CWC) has been identified a core activity for flood related disaster management.

The other purposes of telemetry station are to collect real time data in the East Sikkim district to avoid natural/manmade disaster like floods, land slides etc.

The data which will be collected is to be used in a Model, for studying the flow of river in Himalayan Geology . The real time data through telemetry will strengthen the flood forecasting network in Sikkim.

3. Project Authority:

Name : Shri Shashank Bhushan

Designation: Executive Engineer

Organisation: Sikkim Investigation Division, Central Water Commission, Gangtok.

4. Name of officer for joint visit:

Name : Shri Vishal Gupta

Designation: Junior Engineer

Organisation: Investigation Sub-Division-II , Pegong under Sikkim Investigation Division, Central Water Commission, Gangtok.