The S O F T W A R E

The Time Series Software (TSS) manages the overall projects that deal with multi hazard data collection, visualization, and alerting platform, where hardware integration, assembly, installation, maintenance and commissioning is vital to the success of the project.

The software is involved in implementing and deployment of operational Real Time Data Acquisition System with the TSS Acquisition (ACQ) system. The ACQ system consist of a telemetry network of Automatic Water Level Gauges (AWLG), Automatic Rainfall Gauges (ARG) and Automatic Weather Station (AWS) along rivers/reservoirs/catchment areas, water quality sensors data to capture real-time hydro-met data. The ACQ system is capable of handling the hydrology data, which is increasing in number as per the climate changes, more so with the establishment of flood forecasting systems, from the existing river basins to river basins covering all major rivers.

To safeguard the surface water data which is vital in hydrologic analysis, a robust software infrastructure is very much needed to resolve very specific hydro-met solution. The Integrated Software Management System includes the storing, editing and the retrieving of hydro-meteorological data with ease and with utmost efficiency through the Time Series software. The visualization software, on the other hand, has immensely improved the dissemination of hydrologic information through various communication media (i.e., internet, GSM, etc.) to the concerned public, disaster risk reduction officers and planners, etc. This software supports the following discipline:

- Early flood warning
- CCTV and Dam Control
- Weather radar layers
- Seismology