

# CENTRAL WATER COMMISSION INDIA - FLOOD FORECASTING



7/11/2006

## 55 HYDRO-MET STATIONS & 4 DDRGS RECEIVE SITES COVERING THE CHAMBAL AND THE MAHANADI RIVER BASINS

In August 1998 Sutron was awarded a contract for July 1999 delivery of a satellite based hydro-meteorological turnkey system to monitor the river flow of two basins, the Chambal and the Mahanadi.

When the project was finished, Sutron had installed 55 Met and Hydro-Met stations covering the two river basins. In addition, four DDRGS receive sites were installed, two in each basin.

Not all stations were identical. There were 9 different types including 21 rain-only stations, 27 river stations, 5 river and rain stations and 1 weather station. In order for the product to flow smoothly through production, detailed station drawings, bills of materials and clear communications were required prior to shipment. The India station drawings were so thorough that they are used even now as templates for other projects. The project was successfully completed and delivered within the 11 month time frame.

Sutron's System Manager acted as "traffic director" for over a month in-country during installation in India while Sutron hydro tech teams managed installation of the remote sites.

Sutron Shipping performed a Herculean task in sorting and tracking the massive amount of shipping, paperwork, and packaging for the plethora of equipment and accessories sent from Virginia to India.

Sutron's key to the success of the project was the up-front documentation and communication that helped the project flow smoothly through the system.



**OWNER:** Central Water Commission of India  
**PROJECT:** Flood Forecasting System  
**PURPOSE:** Satellite based hydro-meteorological turnkey system to monitor the river flow of two basins, the Chambal and the Mahanadi  
**EQUIPMENT:** 5 Met and Hydro-Met stations covering the two river basins; 4 DDRGS receive sites, 2 in each basin  
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