

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

UNSTARRED QUESTION NO:6736
ANSWERED ON:17.05.2012
E GOVERNANCE IN WATER RESOURCES
Shantha J.

Will the Minister of WATER RESOURCES be pleased to state:

- (a) the status of e-governance in water resources;
- (b) the name of modules that are being used alongwith the names of respective user States; and
- (c) the details of the role of the Centre in these schemes?

Answer

THE MINISTER IN THE MINISTRY OF PARLIAMENTARY AFFAIRS AND WATER RESOURCES (SHRI PAWAN KUMAR BANSAL)

(a) The Ministry of Water Resources has been implementing e-Governance in the Ministry and all the organizations under its administrative control. Activities relating to Administration, Finance and Accounts are being discharged through the use of Information Technology. The Ministry and its various organizations have their websites disseminating water resources related information to the general public on various schemes under central and state sectors, information about various tender notices, vacancies, important audio/visuals, Annual Reports, Budget etc. The intranet of the Ministry (i.e. mowr.nic.in) is having modules like File Tracking System(FTS), e-VIP Reference System, Court Cases Monitoring System, etc. which are being used. The Central Ground Water Board has placed the last 5 years data on water level and water quality on public domain (URL://www.cgwb.gov.in). A web based Ground Water Information System (GWIS) is also operational with relevant ground water related data/information. Latest flood forecasts during the monsoon season are also being uploaded on the website. The Ministry has developed a comprehensive Water Resource Information System (WRIS). The project "Generation of database and Implementation of Web Enabled WRIS in the country" short named as India WRIS WebGIS is being implemented as a joint venture with Indian Space Research Organization(ISRO), Department of Space, which is a 'Single Window' solution for comprehensive, authoritative and consistent data & information of India's water resources.

(b) This Ministry has implemented various software modules for the development of water resources under the Central Scheme i.e. Hydrology Project.

- (ii) Ground Water Information System (GWIS)
- (iii) Surface Water Data Entry Software (SWDES)
- (iv) Ground Water Data Entry Software (GWDES)
- (v) Hydrological Modelling System (HYMOS)
- (vi) Water Information System Data Online Management (WISDOM)
- (vii) Water Resources Information System (WRIS)
- (viii) Financial Monitoring and Reporting (FMR)

The above software modules are being used by the States of Madhya Pradesh, Andhra Pradesh, Chhattisgarh, Kerala, Gujarat, Maharashtra, Karnataka, Tamil Nadu and Odisha.

Besides the above software modules, under the ongoing Hydrology Project Phase – II (HP-II), a web based Decision Support System Planning (DSSP) is being developed for integrated planning and management of water resources in selected river basins in the nine HP states. The Central Water Commission has also installed telemetry based automatic Real Time Data Aquisitive System (RTDAS) for hydrological data collection.

(c) The National Informatics Centre (NIC), Department of Electronics & Information Technology is the nodal organization for informatics development and networking in government, corporate and cooperative sectors for decision support.

NIC has been providing support to Central Water Commission to monitor reservoirs over the NICNET through its districts centres and has been monitoring the reservoir levels and storage capacity of reservoirs on a weekly/day-to-day basis over NICNET for the last more than 12 years.