

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

UNSTARRED QUESTION NO:3284
ANSWERED ON:13.12.2012
WATER RESOURCES INFORMATION SYSTEM
Swamygowda Shri N Cheluvarya Swamy

Will the Minister of WATER RESOURCES be pleased to state:

- (a) whether the Government had developed the Water Resources Information System (WRIS) during the Eleventh Five Year Plan;
- (b) if so, the details thereof and its uses; and
- (c) the mechanism for the use of WRIS data for the augmentation and judicious use of water resources in the country?

Answer

THE MINISTER OF WATER RESOURCES (SHRI HARISH RAWAT)

(a) & (b) Yes, Madam. Central Water Commission in collaboration with Indian Space Research Organization had undertaken the work of development of Water Resources Information System (WRIS) during the XI plan; The WRIS is at 1:50000 scale with 30 major Geographical Information System (GIS) layers as described at Annexure I. The List of the GIS layers presently available on the website 'www.india-wris.nrsc.gov.in' is at Annexure - II.

WRIS, a tool for planning and management of Water resources, has following major objectives.

- (i) To collate available data from various sources, generate new database of country's water resources in standardized Geographical Information system (GIS) and provide a thin client scalable web enabled information system;
 - (ii) To provide easier and faster access and sharing nationally consistent and authentic water resources data to various Water Resources departments, professionals and other stake holders for Integrated Water Resources management;
 - (iii) To provide tools to create value added maps by way of multi-layer stacking of GIS databases so as to provide integrated view of water resources issues;
 - (iv) To provide foundation for advance modeling purpose and future Spatial decision support system including automated data collection system;
- (c) The WRIS is in public domain (website www.india-wris.nrsc.gov.in) and is accessible to the users after web registration. The information available under WRIS will enable users for the augmentation and judicious use of water resources in the country.