

**GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA**

UNSTARRED QUESTION NO:1649
ANSWERED ON:30.07.2015
Database for Surface and Ground Water
Charitra Shri Ram

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

- (a) whether the Central Water Commission in collaboration with National Remote Sensing Centre of ISRO has launched a national project to create database comprising details of both surface as well as ground water in the country;
- (b) if so, the details thereof;
- (c) whether data base generated from ground water monitoring wells located all over the country forms the basis for planning ground water development and management; and
- (d) if so, the details thereof?

Answer

ANSWER

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION

(PROF. SANWAR LAL JAT)

(a) & (b) Yes Madam. Central Water Commission (CWC) and National Remote Sensing Centre (NRSC), Indian Space Research Organization (ISRO) have undertaken "Generation of Database and Implementation of Web Enabled Water Resources Information System in the Country" short named as India-WRIS web GIS (Geo-Information System), which aims to be a 'Single Window' solution for comprehensive, authoritative and consistent data and information on India's water resources along with allied natural resources in a standardized national GIS framework. It has tools to search, access, visualize, understand and analyze the data for assessment, monitoring, planning, development and Integrated Water Resources Management (IWRM). Based on the type of data and its availability, the present portal contains 12 major info systems, 35 sub info systems having 95 spatial layers along with large attribute data of the water resources assets and temporal data of 5-100 years. The data is available in public domain for free download. In India-WRIS portal, ground water data of ground water monitoring wells of CGWB has been mapped with temporal data from 1994-2012.

(c) & (d) Yes Madam. At present, there are 22339 monitoring wells and the database thus generated forms the basis for planning ground water development and management and for assessment of ground water resources of the Country. State/UT-wise details of ground water monitoring wells is given at Annexure.
