

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

UNSTARRED QUESTION NO:2023

ANSWERED ON:04.12.2014

AQUIFER MAPPING

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

- (a) whether the Government has initiated the work on Aquifer Mapping proposed in the 12th Five Year Plan;
- (b) if so, whether the Government proposes to share the expenditure likely to be incurred with respective State Governments;
- (c) if so, the details thereof including the expected total expenditure;
- (d) whether Heliborne Geophysical Surveys have been undertaken on a pilot basis in five States in the country; and
- (e) if so, the details thereof along with outcome of survey including potential for groundwater exploration?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (PROF. SANWAR LAL JAT)

- (a) to (c) Yes Madam. The total outlay for the XII Plan for Aquifer Mapping, a fully funded Scheme of this Ministry is Rs. 2051 crores.
- (d) & (e) A Pilot Project on aquifer mapping has been undertaken in 6 areas of 5 States namely Maharashtra (part of Nagpur district), Rajasthan (parts of Dausa and Jaisalmer districts), Bihar (part of Patna district), Kamataka (part of Tumkur district) and Tamilnadu (part of Cuddalore district) using advanced geophysical techniques including Heliborne Geophysical Surveys as a part of Hydrology Project -II.

The data acquisition has been completed and final details will emerge after analysis of data in conjunction with other relevant scientific data to test the efficacy of technologies in mapping of aquifers in different hydro-geological terrains including identification of potential for groundwater resources.