

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

UNSTARRED QUESTION NO:1572

ANSWERED ON:22.03.2012

RAINWATER HARVESTING

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Will the Minister of WATER RESOURCES be pleased to state:

- (a) the details of rainwater harvesting projects implemented by the Union Government during the last five years, Statewise;
- (b) whether the Government has adopted rainwater harvesting in Government buildings;
- (c) if so, the details thereof;
- (d) whether any technical advancement through satellites or other means has been made to pre-determine the quantity of rainwater to be harvested so that prior arrangement of rainwater harvesting can be made accordingly; and
- (e) if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES & MINORITY AFFAIRS (SHRI VINCENT H. PALA)

(a) An outlay of Rs.100 Crore has been provided under Central Sector Scheme of Ground Water Management and Regulation during the XIth Plan (2007-2012) for Demonstrative Recharge Project on rainwater harvesting and artificial recharge for the purpose. During the last five years (2007-2012), 158 projects costing Rs.103.18 Crore have been approved for implementation by State agencies in various States under the scheme. State-wise details are given in Annexure I.

(b) & (c) Under the central sector scheme of "Study of Recharge to Ground Water" implemented by Central Ground Water Board during the VIII, IX and X Plan periods, roof top rain water harvesting was implemented in 235 Government buildings in different parts of the country. In addition, 379 roof top rain water harvesting structures are being installed in different States under the demonstrative projects on rain water harvesting and artificial recharge under the central sector scheme of "Ground Water Management & Regulation" during XI Plan. State wise details are given in Annexure II.

Further, Central Ground Water Authority has issued directions vide order dated 6.9.2011 to Chief Secretaries/ Administrators of all the States/ Union Territories and Ministry of Urban Development to take necessary action to adopt rain water harvesting/ artificial recharge on all the Government buildings.

(d) Assimilating conventional, Automated Weather Station (AWS), Automated Raingauge (ARG) data, satellite and weather radar observations in Numerical Weather Prediction (NWP) models, India Meteorological Department (IMD) under the Ministry of Earth Sciences issues (5 days) Quantitative district level rainfall forecast. IMD also issues rainfall forecast for 163 cities 48 hours in advance in various ranges.

(e) IMD has got good network comprising of 675 AWS, 660 ARGs and 12 Doppler Weather Radars. IMD also computes Quantitative Precipitation Estimates (QPE) using Kalpana-1 satellite radiance observation on day- today basis in one degree latitude/longitude grid boxes and utilizing 3000 rain stations' data, rainfall estimate is prepared in half degree latitude/longitude during monsoon season. These gridded data uploaded in IMD website regularly.