

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. †3533
ANSWERED ON 23.03.2017

RAINWATER STORAGE/HARVESTING

†3533. SHRI RAKESH SINGH

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

- (a) whether the Government is aware that ground water level in the country is declining rapidly and if so, the details thereof and the reasons therefor;
- (b) whether around two-thirds of natural water gets wasted due to improper storage/harvesting of rainwater and if so, the facts thereof; and
- (c) whether the Government proposes to formulate any scheme at Central level for proper storage/harvesting of rainwater and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(DR. SANJEEV KUMAR BALYAN)

(a) Ground Water levels are declining in some parts of the Country due to its exploitation for various purposes including irrigation and industrial utilization. As per the ground water level data monitored by Central Ground Water Board (CGWB), Pre-monsoon (April/ May, 2016) water level data when compared with the decadal average (2006-2015) indicate that 66% of the wells have registered decline in ground water level in certain pockets in all the States/UTs of the country. State-wise details is given in **Annexure**.

(b) Due to seasonal, geographical and annual variation in availability of water as well as lack of adequate storage, substantial quantity of water, especially during monsoon season, remains unused and flows into sea. As per the assessment done by Central Water Commission in the year 1993, the river basin wise average annual water availability in the Country is 1869 billion cubic meters (BCM). It is estimated that owing to topographic, hydrological and other constraints, the utilizable water is 1123 BCM, which comprises 690 BCM of surface water and 433 BCM of replenishable ground water resources.

(c) Steps taken by the Government for conservation of surface and ground water are available at the following URL http://mowr.gov.in/writereaddata/GW_Depletion.pdf.

ANNEXURE

Annexure referred in reply to Lok Sabha Unstarred Q.No. 3533 for reply on 23.03.2017 regarding “Rainwater Storage/Harvesting”

**State-wise Decadal Water Level Fluctuation with Decadal Mean
Pre-monsoon (2006 to 2015) and Pre-monsoon 2016**

S.No.	Name of State	No. of wells Analysed	Rise		Fall	
			No.	%	No.	%
1	Andhra Pradesh	547	236	43	308	56
2	Arunachal Pradesh	14	10	71	4	29
3	Assam	182	84	46	98	54
4	Bihar	551	180	33	369	67
5	Chandigarh	11	4	36	7	64
6	Chhattisgarh	616	165	27	451	73
7	Dadra & Nagar Haveli	12	6	50	6	50
8	Daman & Diu	10	2	20	8	80
9	Delhi	115	26	23	89	77
10	Goa	70	41	59	29	41
11	Gujarat	738	254	34	475	64
12	Haryana	643	184	29	454	71
13	Himachal Pradesh	95	36	38	59	62
14	Jammu & Kashmir	225	83	37	142	63
15	Jharkhand	212	86	41	126	59
16	Karnataka	1380	415	30	949	69
17	Kerala	1240	454	37	779	63
18	Madhya Pradesh	1343	502	37	838	62
19	Maharashtra	1487	437	29	1041	70
20	Meghalaya	17	6	35	11	65
21	Odisha	1103	395	36	705	64
22	Puducherry	6	5	83	1	17
23	Punjab	613	129	21	482	79
24	Rajasthan	829	346	42	481	58
25	Tamil Nadu	587	345	59	242	41
26	Telangana	377	66	18	308	82
27	Tripura	28	21	75	7	25
28	Uttar Pradesh	629	95	15	534	85
29	Uttarakhand	44	21	48	23	52
30	West Bengal	899	310	34	589	66
Total		14623	4944	34	9615	66

Note: 64 wells show no change in water level