

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 3955
TO BE ANSWERED ON WEDNESDAY, 22ND DECEMBER, 2021

RAINFALL IN MP

3955. SHRI RAJBAHADUR SINGH:
SHRI P.P. CHAUDHARY:
SHRI MAHENDRA SINGH SOLANKY:
SHRI CHANDRA PRAKASH JOSHI:
SHRI SANGAM LAL GUPTA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the amount of annual rainfall in the country over the last five years, specifically Pratapgarh district in Uttar Pradesh, Sagar and Dewas districts in Madhya Pradesh and Chittorgarh, Udaipur, Pratapgarh and Pali districts in Rajasthan;
- (b) whether there has been a decline in annual rainfall received in these States vis-a-vis the annual rainfall received across India;
- (c) if so, the details thereof and the action taken thereon for transportation of water to these States;
- (d) whether the Government has taken any measures to increase access to water resources in the above States; and
- (e) if so, the details thereof?

ANSWER
THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) Annual rainfall (in mm) over the country as a whole for the last five years specifically Pratapgarh district in Uttar Pradesh, Sagar and Dewas districts in Madhya Pradesh and Chittorgarh, Udaipur, Pratapgarh and Pali districts in Rajasthan is given in **Annexure I**.
- (b)-(c) IMD has carried out an analysis of observed monsoon rainfall variability and changes of 29 States & Union Territory at State and District levels based on the IMD's observational data of recent 30 years (1989- 2018) during the Southwest monsoon season from June to September (JJAS) and issued a report on 30 March 2020. The reports on observed rainfall variability and its trend for each State and Union Territory are available in IMD website (<https://mausam.imd.gov.in/>) under "PUBLICATIONS" as well as in IMD Pune website;

<http://www.imdpune.gov.in/hydrology/rainfall%20variability%20page/rainfall%20trend.html>

The highlights of the report are given below;

- Five states viz., Uttar Pradesh, Bihar, West Bengal, Meghalaya and Nagaland have shown significant decreasing trends in southwest monsoon rainfall during the recent 30 years period (1989-2018).

- The annual rainfall over these five states along with the states of Arunachal Pradesh and Himachal Pradesh also show significant decreasing trends.
- Other states do not show any significant changes in southwest monsoon rainfall during the same period.
- Considering district-wise rainfall, there are many districts in the country, which show significant changes in southwest monsoon and annual rainfall during the recent 30 years period (1989-2018). With regard to the frequency of heavy rainfall days, significant increasing trend is observed over Saurashtra & Kutch, Southeastern parts of Rajasthan, Northern parts of Tamil Nadu, Northern parts of Andhra Pradesh and adjoining areas of Southwest Odisha, many parts of Chhattisgarh, Southwest Madhya Pradesh, West Bengal, Manipur & Mizoram, Konkan & Goa and Uttarakhand.

(d) – (e) Though Water is a State subject, Central Government has taken a number of important measures for conservation, management of ground water, effective implementation of rain water harvesting including increasing the groundwater level in the country, which can be seen at
 at URL: http://jalshakti-dowr.gov.in/sites/default/files/Steps_to_control_water_depletion_Feb2021.pdf.

Central Government is promoting conjunctive use of groundwater and surface water for various purposes including agriculture and drinking water etc through various policy initiatives/schemes. National Water Policy (NWP) (2012) advocate for a number of policy interventions for sustainable management of water resources including efficient use of groundwater and surface water in the country. The NWP can be accessed at URL: http://jalshakti-dowr.gov.in/sites/default/files/NWP2012Eng6495132651_1.pdf.

Ministry of Jal Shakti, Department of Water Resources, RD & GR (DoWR, RD & GR) is implementing AtalBhujalYojana (AtalJal), Central Sector Scheme, for sustainable management of ground water resources with community participation. AtalJal is being implemented in 81 water stressed districts and 8,774 Gram Panchayats of seven States viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh.

Annexure I

COUNTRY AS A WHOLE				
ANNUAL (JAN-DEC)				
YEAR	ACTUAL (mm)	NORMAL (mm)	% DEP.	CAT.
2016	1083.1	1187.6	-9%	
2017	1127.1	1187.6	-5%	
2018	1020.8	1187.6	-14%	
2019	1288.8	1176.9	10%	
2020	1289.6	1176.9	10%	

PRATAPGARH DISTRICT IN UP				
ANNUAL (JAN-DEC)				
YEAR	ACTUAL (mm)	NORMAL (mm)	% DEP.	CAT.
2016	848.9	943.6	-10%	N
2017	841.9	943.6	-11%	N
2018	887.5	943.6	-6%	N
2019	1269.2	856.9	48%	E
2020	953.6	856.9	11%	N

MADHYA PRADESH									
		ANNUAL	JAN-DEC, 2016			ANNUAL	JAN-DEC, 2017		
S. No.	DISTRICT	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.
1	SAGAR	1392.9	1192.2	17%	N	884.2	1192.2	-26%	D
2	DEWAS	924.0	1031.4	-10%	N	810.2	1031.4	-21%	D

MADHYA PRADESH													
		ANNUAL:	JAN-DEC, 2018			PERIOD:	ANNUAL (JAN-DEC)-2019			PERIOD:	ANNUAL (JAN-DEC)-2020		
S. No.	DISTRICT	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.
1	SAGAR	901.8	1192.2	-24%	D	1557.2	1183.7	32%	E	1006.9	1183.7	-15%	N
2	DEWAS	675.5	1031.4	-35%	D	1506.0	973.6	55%	E	1409.9	973.6	45%	E

RAJASTHAN									
		ANNUAL	JAN-DEC, 2016			ANNUAL	JAN-DEC, 2017		
S. No.	DISTRICT	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.
1	CHITTORGARH	1351.5	765.3	77%	LE	724.7	765.3	-5%	N
2	PRATAPGARH	1319.2	915.3	44%	E	1115.6	915.3	22%	E
3	UDAIPUR	913.7	639.7	43%	E	825.3	639.7	29%	E
4	PALI	882.2	485.7	82%	LE	822.7	485.7	69%	LE

RAJASTHAN													
		ANNUAL:	JAN-DEC, 2018			PERIOD:	ANNUAL (JAN-DEC)-2019			PERIOD:	ANNUAL (JAN-DEC)-2020		
S. No.	DISTRICT	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.
1	CHITTORGARH	707.0	765.3	-8%	N	1252.4	751.3	67%	LE	710.8	751.3	-5%	N
2	PRATAPGARH	1135.0	915.3	24%	E	1818.2	918.8	98%	LE	1050.4	918.8	14%	N
3	UDAIPUR	563.4	639.7	-12%	N	1088.3	632.7	72%	LE	770.2	632.7	22%	E
4	PALI	316.9	485.7	-35%	D	736.8	491.8	50%	E	604.1	491.8	23%	E
