



**Government of India
India Meteorological Department
Meteorological Centre, Shimla**

Dated: 31st August, 2020 Monday

Monthly Weather Report: August-2020

Rainfall occurred in Himachal Pradesh in the m/o August-2020 was normal.

Weather summary for the month of August 2020 (i.e.01ST August to 31st August)

- South-west monsoon in Himachal Pradesh was arrived on 24th of June 2020. Cumulative Rainfall during this year in the month August 2020 is 263.8 mm which was **ABOVE** normal by 1% over the state as a whole.
- Out of twelve district, **two districts viz Bilaspur and Kullu received rainfall in excess.** Rest off all districts Received Normal rainfall during August-2020.
- Total numbers of **16 spells** of monsoon currents was arrived in Himachal Pradesh which gave heavy to very heavy rainfall **10 spells** in which monsoon activity was active. There were 4 spells which gave isolated rainfall and weak monsoon.
- On 10th August 2020 **Rainfall:** NAINA DEVI: 160.6MM, KANGRA AERO156.3, MM , PAONTA 120MM , JOGINDARNAGAR 108 MM ,
- On 13th August 2020 **Rainfall:** Ghumarwin: 265 mm, Naina Devi: 148.2 mm, Bangana (rev)&Forest: 140.0 mm, Kahu: 101.8 mm, Kasauli: 94.0 mm, sarkaghat: 88.0 mm, Nadaun: 83.0 mm, Guler: 81.5 mm,
- On 14th August 2020 **Rainfall:** JATTON BARRAGE-196.4MM RENUKA 180MM DHARAMSHALA-104.6MM,
- **During previous years (since 2004), highest rainfall viz 324mm (24%)** was recorded in HP during August-2019. (Table-1)
- No Heat Wave Conditions were reported during August 2020. Highest Maximum Temperature of **37.8°C** was recorded at **Una** on **07.08.2020** & minimum temperature of **8.8°C** was recorded in **Keylong** on **29.08.2020**.

Table 1. Percentage (%) departure of precipitation in the month of AUGUST

YEAR	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Actual R/F	197.3	88.9	206.6	196.3	226.6	126.7	291.2	321.2	308.3	246.1	168.1	211.9	270.7	274.5	297.0	324.3	263.8
%dep of R/F	-25	-66	-21	-25	-14	-52	7	18	-13	-15	-42	-27	-6	-3	5	24	1

Table 2. District- Wise Rainfall for the month of August 2020

District	Rainfall from 1 st August to 31 st August 2020		
	Actual r/f(mm)	Normal r/f (mm)	% departure
BILASPUR	472.1	299.8	57
CHAMBA	216.5	349.5	-38
HAMIRPUR	400.3	374	7
KANGRA	625.4	612.4	2
KINNAUR	34.7	78.3	-56
KULLU	249.2	159.8	56
LAHAUL & SPITI	32	124	-74
MANDI	387.8	366.1	6
SHIMLA	169.7	199.6	-15
SIRMAUR	424.3	480.6	-12
SOLAN	322.3	328.2	-2
UNA	369.7	311.6	19
Himachal Pradesh	265.7	262.3	1

LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

Table 3. District wise Rainfall for the Monsoon Season 2020

District	Rainfall from 1 st June to 31 st August 2020		
	Actual r/f(mm)	Normal r/f (mm)	% departure
BILASPUR	901.5	722.6	25
CHAMBA	446	889.6	-50
HAMIRPUR	775.2	880.8	-12
KANGRA	1166.3	1368.4	-15
KINNAUR	109.9	183.8	-40
KULLU	507.1	413.1	23
LAHAUL & SPITI	88.8	306.3	-71
MANDI	753.3	921	-18
SHIMLA	438.7	524.9	-16
SIRMAUR	813.7	1149.5	-29
SOLAN	764.4	818.3	-7
UNA	713.1	687.3	4
Himachal Pradesh	535.7	635.8	-16

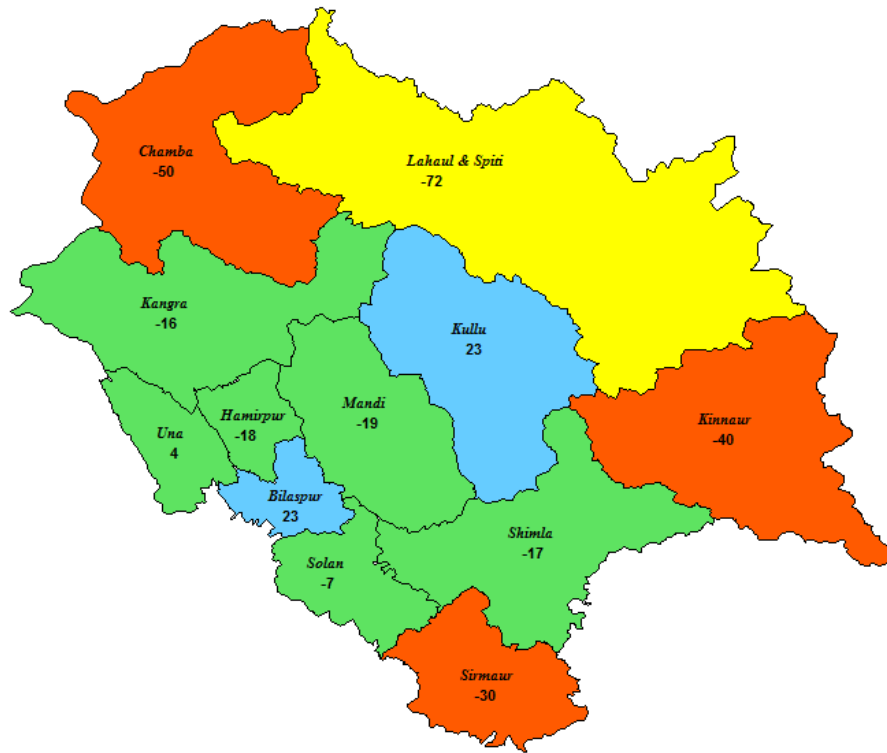
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INDIA METEOROLOGICAL DEPARTMENT

MC SHIMLA

Rainfall % Departures from the Long Period Averages for Districts in HIMACHAL PRADESH

PERIOD : 01.06.2020 - 30.08.2020



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■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

Table -3 Rainfall Distribution, Monsoon activity and Chief Rainfall Stations			
DATE	RAINFALL DISTRIBUTION	RAINFALL ACTIVITY	CHIEF RAINFALL STATIONS
10.08.2020	FAIRLY WIDE SPREAD	ACTIVE	Naina devi: 160.6 mm, Kangra Aero: 156.3 mm, Paonta Sahib: 120.0 mm, Jogindernagar: 108.0 mm, Palampur: 72.0 mm, Baijanth: 67.6 mm, Dharamshala: 52.4 mm, Kothi: 51.0 mm, Ghamroor: 49.0 mm, Nadaun: 44.5 mm, Ghumarwin: 44.0 mm.
13.08.2020	FAIRLY WIDESPREAD	ACTIVE	Ghumarwin: 265 mm, Naina Devi: 148.2 mm, Bangana (rev)&Forest: 140.0 mm, Kahu: 101.8 mm, Kasauli: 94.0 mm, sarkaghat: 88.0 mm, Nadaun: 83.0 mm, Guler: 81.5 mm, Palampur: 69.0 mm, Bharari: 64.4 mm, Amb: 65.6 mm, Berthin Agro: 64.0 mm, Baldwara: 62. mm, Berthin: 61.4 mm.
14.08.2020	WIDESPREAD	ACTIVE	Jatton Barrage: 196.4 mm, Renuka: 180.0 mm, Dharamshala: 104.6 mm, Jogindernagar: 101 mm, Mandi: 97.0 mm, Sangrah: 95.0 mm, banjar: 94.2 mm, Kheri: 90.0 mm
17.08.2020	SCATTERED	NORMAL	Kangra Aero-127.3 mm, Nahan-83.3mm,Nagrota suriyan-71.2mm,Guler-62.0 mm ,Jogindernagar-56.0 mm ,Naina Devi-46.8mm,
19.08.2020	SCATTERED	NORMAL	Ghumarwin-125mm, Paonta Sahib: 81.0 mm, Dharamshala: 75.4 mm, Kasauli: 68.2 mm, Nahan: 66.2 mm, Dharampur: 51.4 mm, Jogindernagar: 38.0 mm, Palampur: 36.0 mm, Baijnath: 26.0 mm, Sujanpura Tira: 26.0 mm.
21.08.2020	WIDESPREAD	ACTIVE	Naina Devi: 160.6 mm, Arki: 158.4 mm, Bhoranj: 94.6, Dalhousie AWS: 66.0 mm, Baldwara: 64.0 mm, Chamba AWS: 62.2 mm, Sundernagar: 59.7 mm, Jhandutta: 56.2 mm, Aghar: 53.4 mm, Sujanpura tira: 51.0 mm, Bijahi: 49.0 mm, Karsog: 47.4 mm, Bharari: 44.0 mm.
27.08.2020	WIDESPREAD	ACTIVE	Nurpur: 133.0 mm, Bangana: 110.0 mm, Baijnath: 95.0 mm, Nagrota Suriyan: 94.0 mm, Kangra Aero: 88.2 mm, Mandi: 77.3 mm, Dharamshala: 75.2 mm, Palampur: 73.0 mm, Jogindernagar: 66.0 mm, Nadaun: 57.0 mm, Gohar: 56.0 mm, Kheri: 55.8 mm, Sarahan: 55.0 mm.