



Government of India  
Ministry of Earth Sciences  
India Meteorological Department  
Meteorological Centre, Shimla (HP)



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## Long Range Forecast for Southwest Monsoon Season (June-Sept) Rainfall 2025 and Monthly Outlook for June 2025

- The Southwest monsoon seasonal (June to September, 2025) rainfall over the country as a whole is likely to be 106 % of the Long Period Average (LPA) with a model error of  $\pm 4\%$ . The LPA of the seasonal rainfall over the country as a whole for the period **1971-2020 is 87 cm**.
- The southwest monsoon seasonal (June to September, 2025) rainfall is most likely to be normal over Northwest India which includes Himachal Pradesh and will be (92-108% of LPA).
- The southwest monsoon seasonal (June to September, 2025) rainfall is very likely to be **above normal (>109% of LPA)** over Himachal Pradesh and the **normal rainfall (1971-2020) for Southwest Monsoon Season for Himachal Pradesh is (734.4) mm**.
- Above-normal rainfall carries benefits for agriculture and water resources but also introduces risks such as flooding, disruptions to transportation, public health concerns, and harm to ecosystems. To address these risks, strategies can include reinforcing infrastructure, making use of IMD's early warning systems, strengthening surveillance and conservation initiatives, and establishing response mechanisms within sectors that are particularly vulnerable.
- The five category probability forecasts for the Seasonal (June to September) rainfall over the country as a whole are given below, which suggests the highest probability for the above normal rainfall (105-110% of LPA) for the country as a whole.

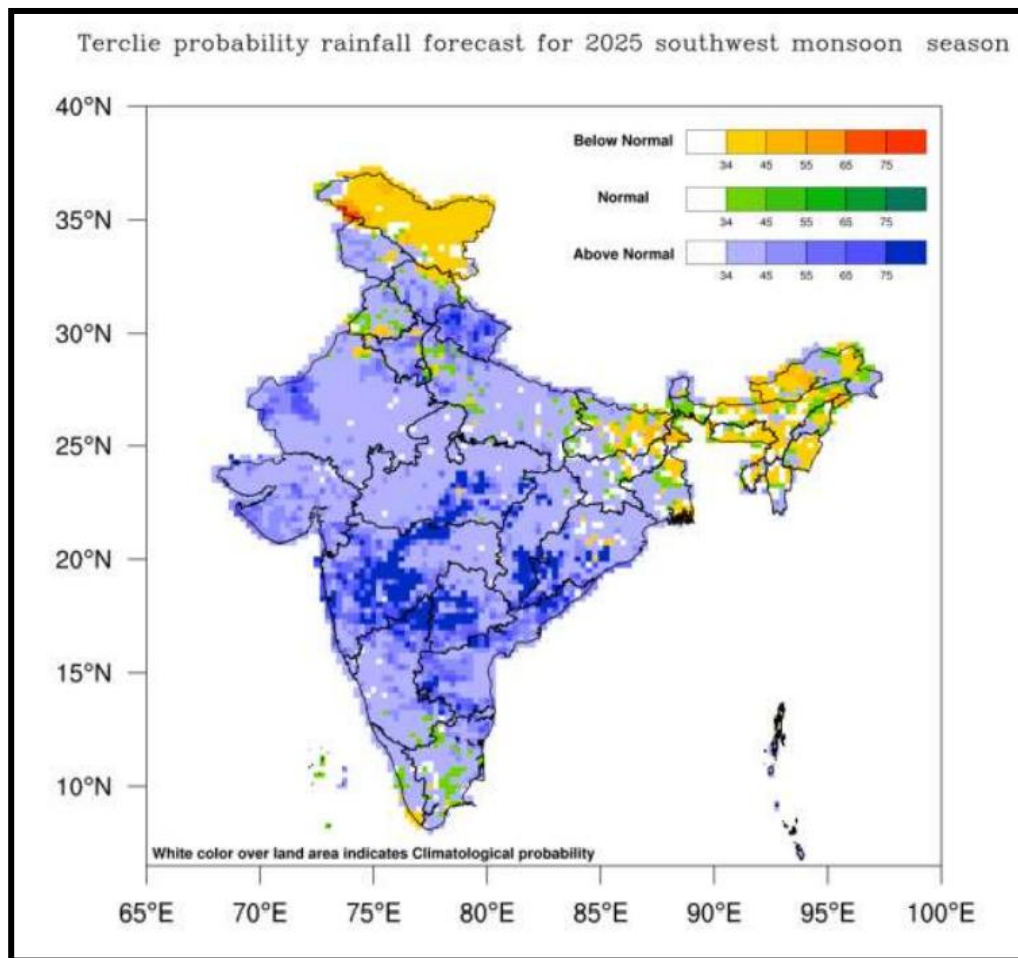
Category	Rainfall Range (% of LPA)	Forecast Probability (%)	Climatological Probability (%)
Deficient	< 90	2	16
Below Normal	> 90 - 95	8	17
Normal	96 -104	31	33
Above Normal	> 105 -110	32	16
Excess	> 110	27	17

- The Probabilistic forecasts for the NW India for the monsoon seasonal (June-September) rainfall during 2025 are given in the table below

Rainfall Category	NW India	
	Range (% of LPA)	Forecast Probability (%)
Below Normal	<92	12
Normal	92-108	43
Above Normal	>108	45

- District wise monsoon normal rainfall for Himachal Pradesh.

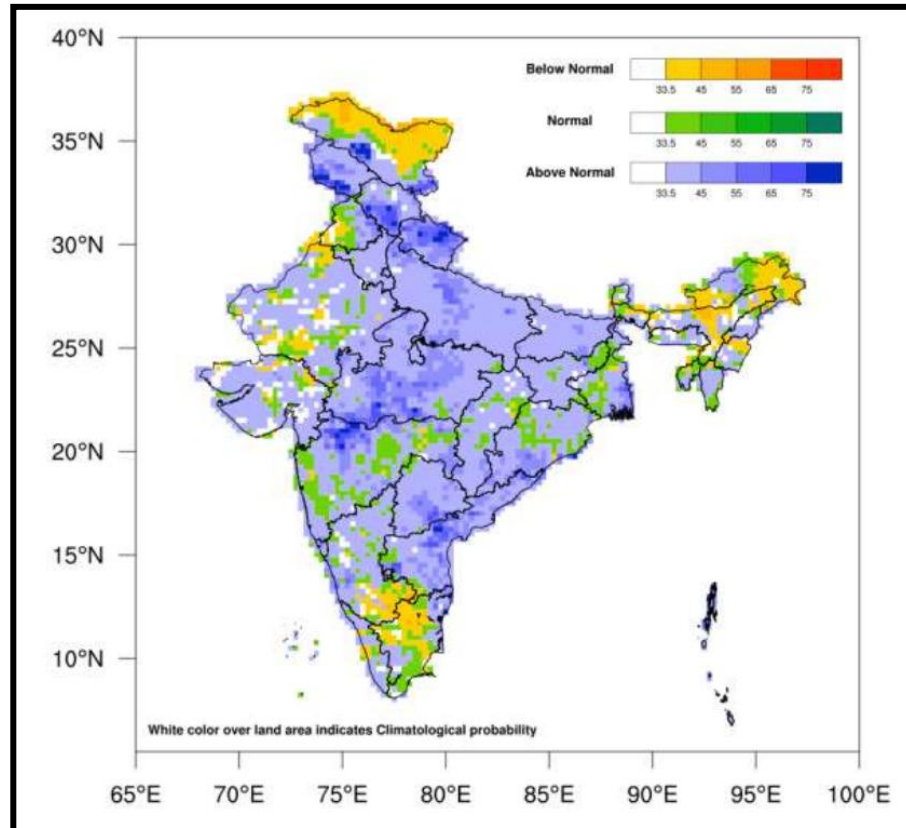
S.No.	District	Normal(mm)
1	Bilaspur	819.1
2	Chamba	853.4
3	Hamirpur	973.2
4	Kangra	1622.4
5	Kinnaur	247.8
6	Kullu	548
7	Lahaul & Spiti	382.9
8	Mandi	1097.5
9	Shimla	627.5
10	Sirmaur	1183.8
11	Solan	874.3
12	Una	953
13	Sub- Division HP	734.4



# Monthly Outlook (June 2025)

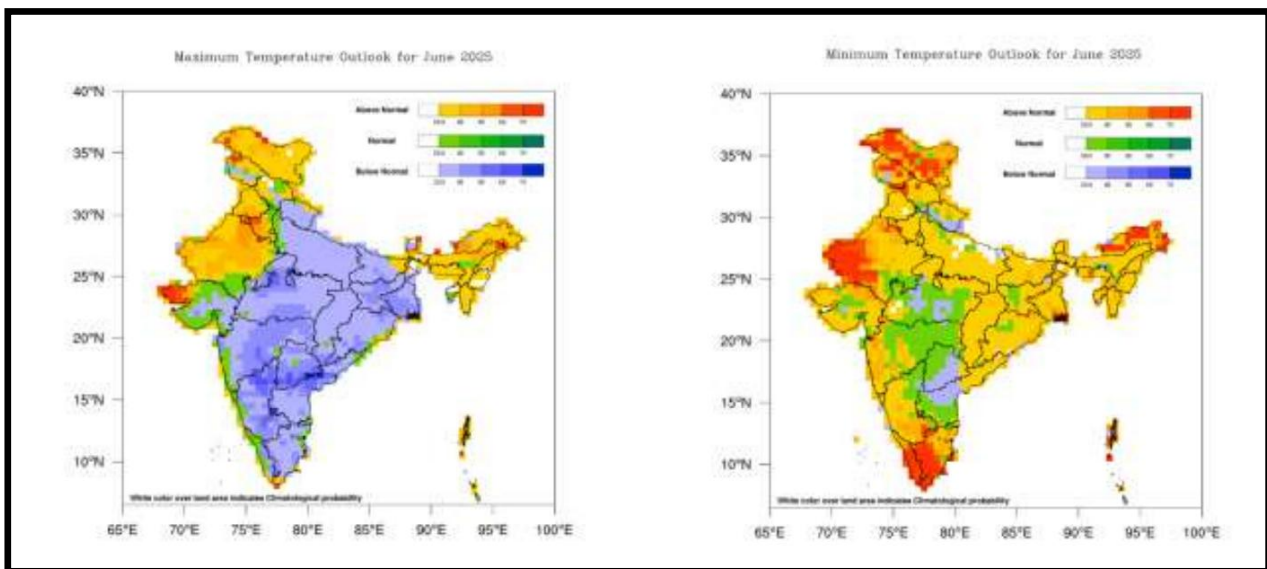
## 1. Probability rainfall forecast

- **Above normal** rainfall (>108% of LPA) is most likely over the country as a whole during June, 2025.
- Rainfall is very likely to be **above normal** over most parts of Himachal Pradesh during June 2025 and the **normal** rainfall (1971-2020) for June for Himachal Pradesh is **(101.1) mm**.



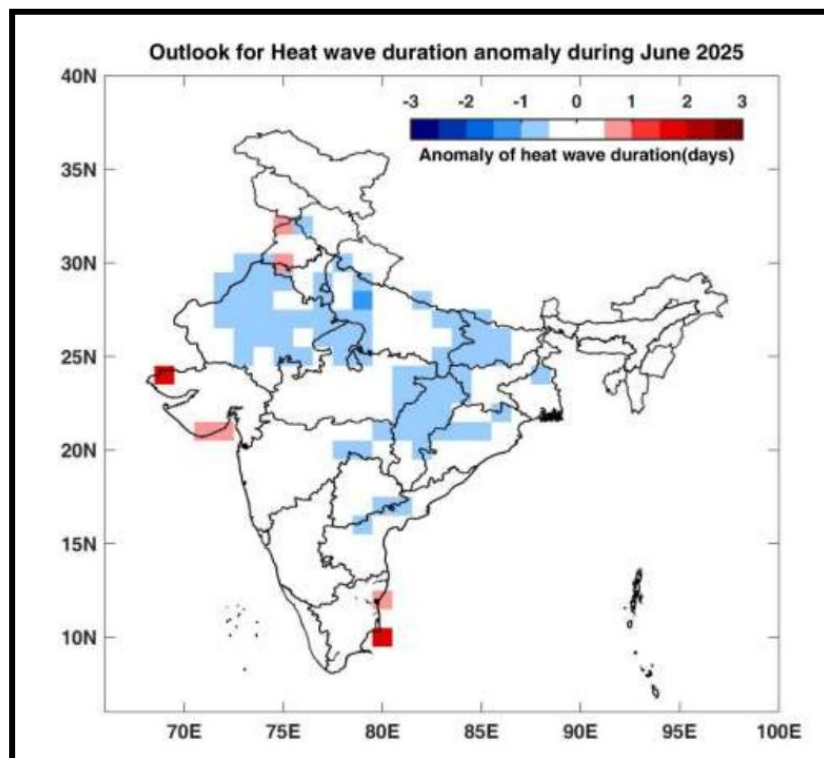
## 2. Probability forecast of Minimum and maximum Temperatures

- Maximum temperatures are likely to be **above normal** over many parts of Himachal Pradesh, except some parts of high hills & adjoining mid hills of Himachal Pradesh where maximum temperatures are very likely to be **normal** in June 2025.
- Minimum temperatures are likely to be **above normal** across most parts of Himachal Pradesh in June 2025.



### 3. Climatology and Heat wave outlook

- During June 2025, **normal to below-normal** heat wave days are likely over most parts of Himachal Pradesh.



With Regards  
Meteorological Centre Shimla

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