

Ministry of Earth Sciences India Meteorological Department Office of Climate Research and Services, Pune Climate Application and User Interface



Hydroclimate Summary Bulletin

October 2025

The Monthly Hydroclimate Summary Bulletin provides an overview of the prevailing hydroclimatic conditions across the region, focusing on Standardized Precipitation Index (SPI), Standardized Precipitation Evapotranspiration Index (SPEI), rainfall and temperature.

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1 SPI Conditions

1.1 SPI Condition of October 2025 and Season (June to October 2025)

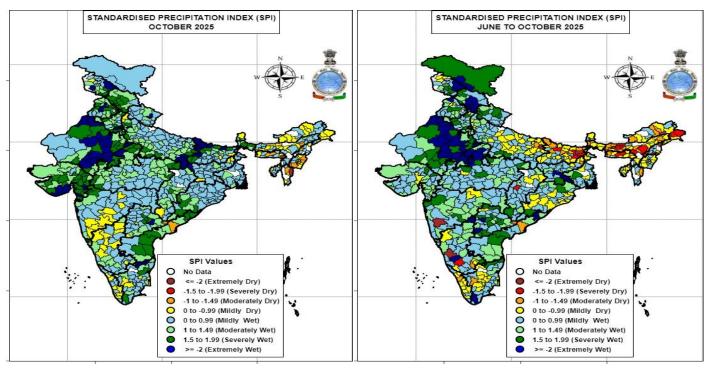


Figure 1: SPI in October 2025

Figure 2: SPI in Season (June to October 2025)

1.2 Districts under wet and dry conditions based on SPI

DISTRICTS IN EACH CATEGORY (OCTOBER 2025)							
CONDITIONS	STATES (DISTRICTS)						
WET (SPI > 1) (DIST.: 282)	Andaman & Nicobar (Nicobar), Andhra Pradesh (Vizianagaram, Vishakhapatnam, Srikakulam, Prakasam, Nellore, Krishna, Guntur, Cuddapah, Chittoor), Assam (Dhemaji), Bihar (Vaishali, Supaul, Siwan, Sitamarhi, Sheohar, Saran, Saharsa, Rohtas, Purba Champaran, Pachim Champaran, Muzaf- farpur, Madubani, Madhepura, Gopalganj, Darbhanga, Buxar, Bhojpur, Bhabua, Begusarai, Arariya), Chandigarh (Chandigarh), Chhattisgarh (Raipur, Narayanpur, Mungeli, Mahasamund, Kanker, Kabirdham, Gariaband, Baloda Bazar), Dadra & Nagar Haveli (Dadar & Nagar Haveli), Daman & Diu (Diu, Daman), Goa (All districts), Gujarat (All districts except Mahesena), Haryana (Ya- munanagar, Sirsa, Rohtak, Rewari, Panchkula, Palwal, Mewat, Mahendragarh, Kurukshetra, Kaithal, Jind, Jhajjar, Hisar, Gurgaon, Fatehabad, Faridabad, Ambala), Himachal Pradesh (except Kinnaur), Jammu & Kashmir (Udhampur, Samba, Reasi, Ramban, Rajouri, Punch, Kishtwar, Kathua, Jammu, Doda), Jharkhand (Giridih, Garhwa, Dhanbad), Karnataka (Uttar Kannada, Mandhya, Kolar, Hassan, Chikmagalur), Lakshadweep (Lakshadweep), Madhya Pradesh (Umaria, Singrauli, Sidhi, Shivpuri, Sheopur, Shahdol, Satna, Rewa, Ratlam, Panna, Nimach, Morena, Mandsaur, Katni, Jhabua, Jabalpur, Indore, Harda, Gwalior, Guna, Dindori, Dhar, Datia, Bhind, Barwani, Ashoknagar, Anuppur, Alirajpur, Agar-Malwa), Maharashtra (Palghar, Nasik, Nandurbar, Mumbai City, Dhule), Delhi (All districts), Odisha (Rayagarha, Nuaparha, Malkangiri, Koraput, Kalahandi, Gajapathi, Balangiri, Punjab (Tarn Taran, Sas Nagar, Sangrur, Rupnagar, Patiala, Pathankot, Nawashahr, Moga, Mansa, Ludhiana, Ka-purthala, Jalandhar, Hoshiarpur, Gurdaspur, Firozpur, Faridkot, Barnala, Amritsar), Rajasthan (All districts except Jodhpur, Jaisalmer, Barmer), Sikkim (South), Tamil Nadu (Virudhunagar, Villupuram, Vellore, Tiruvannamalai, Tiruvallur, Tirunelveli, Nilgiri, Erode), Telangana (Warangal Urban, Waran-gal Rural, Wanaparthy, Nalgonda, Nagarkurnool, Mahabubabad, Karimnagar, Jayashankar Bhupalpally, Jangaon, Bhadrari Kothagudem), Uttar Pradesh (Var						
DRY (SPI < -1) (DIST.: 10)	Manipur (Ukhrul, Pherzawl, Kamjong, Jiribam, Churachandpur, Bishnupur), Meghalaya (West Khasi Hills, East Jaintia Hills), Mizoram (Champhai), Nagaland (Wokha)						

^{*}All other districts are normal (SPI between -1 and 1)

1.3 District-wise Highest and Lowest Statistics of SPI

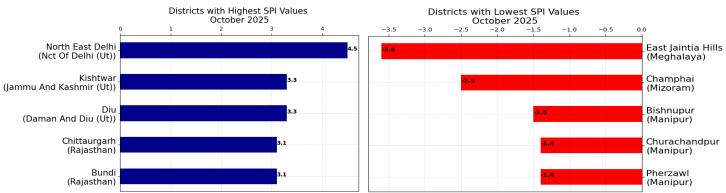
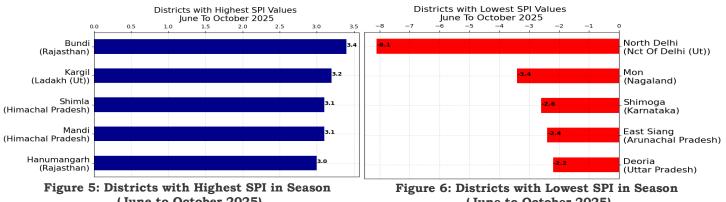


Figure 3: Districts with Highest SPI in October 2025

Figure 4: Districts with Lowest SPI in October 2025



(June to October 2025)

(June to October 2025)

SPEI Conditions

2.1 SPEI Condition of October 2025 and Season (June to October 2025)

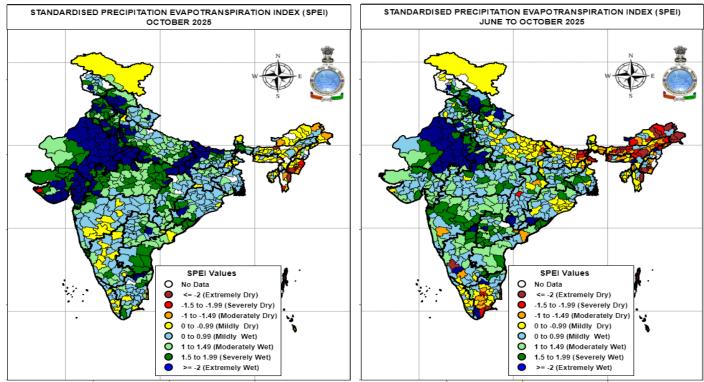


Figure 7: SPEI in October 2025

Figure 8: SPEI in Season (June to October 2025)

2.2 District-wise Highest and Lowest Statistics of SPEI

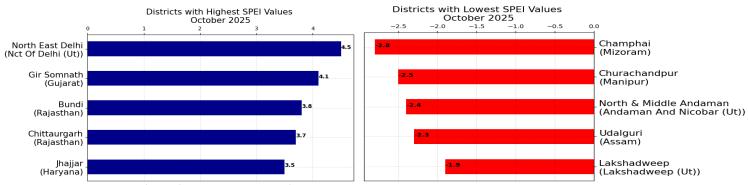


Figure 9: Districts with Highest SPEI in October 2025

Figure 10: Districts with Lowest SPEI in October 2025

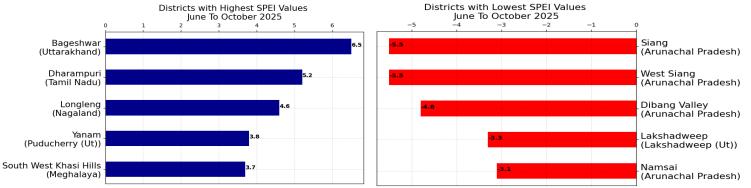


Figure 11: Districts with Highest SPEI in Season (June to October 2025)

Figure 12: Districts with Lowest SPEI in Season (June to October 2025)

3 Rainfall Conditions

3.1 Actual Rainfall and Anomaly in October 2025 and Season (June to October 2025)

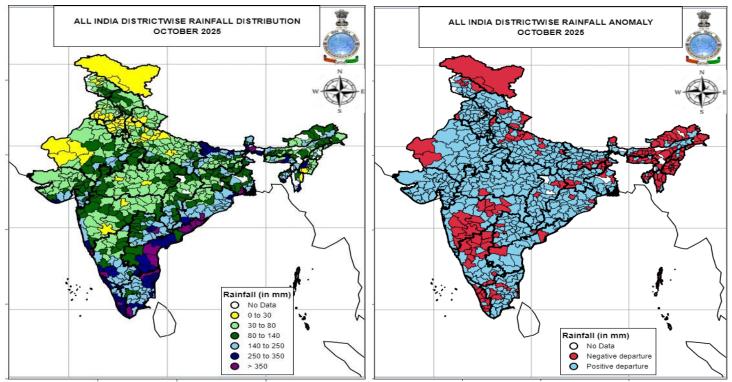


Figure 13: Actual Rainfall in October 2025

Figure 14: Rainfall Anomaly from Normal in October 2025

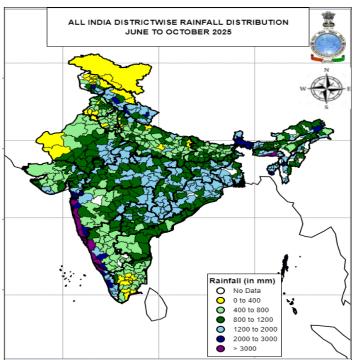


Figure 15: Actual Rainfall in Season (June to October 2025)

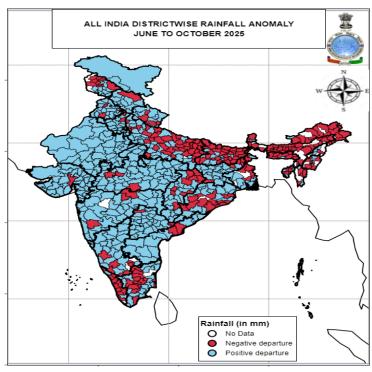


Figure 16: Rainfall Anomaly in Season (June to October 2025)

3.2 District-wise Highest and Lowest Statistics of Rainfall

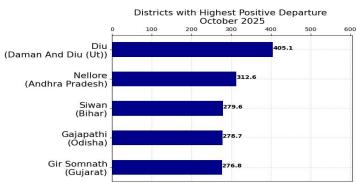


Figure 17: Districts with Highest Positive Departure in October 2025

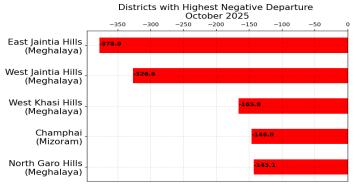


Figure 18: Districts with Lowest Negative Departure in October 2025

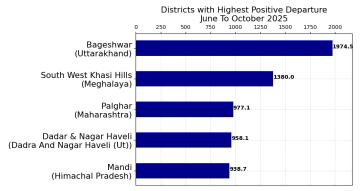


Figure 19: Districts with Highest Positive Departure in Season (June to October 2025)

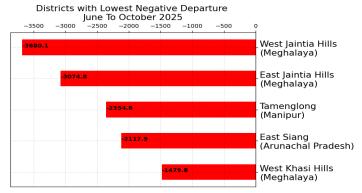


Figure 20: Districts with Lowest Negative Departure in Season (June to October 2025)

4 Temperature Conditions

4.1 Tmax Actual and Anomaly in October 2025

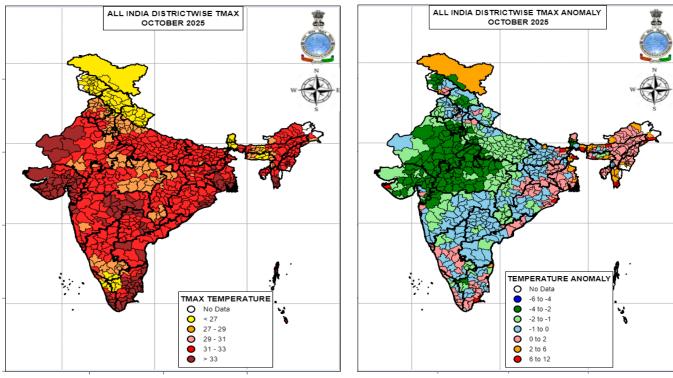


Figure 21: Actual Tmax in October 2025

Figure 22: Tmax Anomaly in October 2025

4.2 Tmin Actual and Anomaly in October 2025

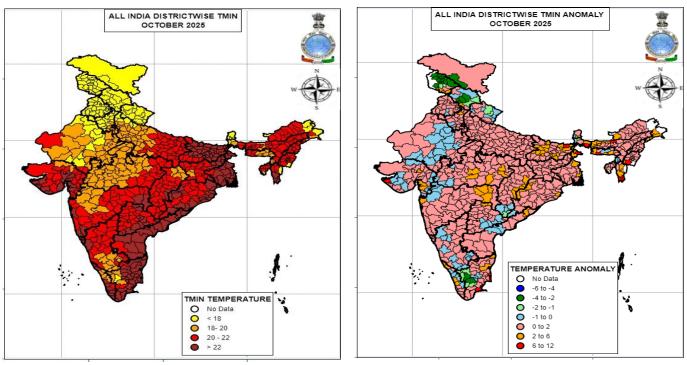


Figure 23: Actual Tmin in October 2025

Figure 24: Tmin Anomaly in October 2025

4.3 Normal Tmax and Tmin in October

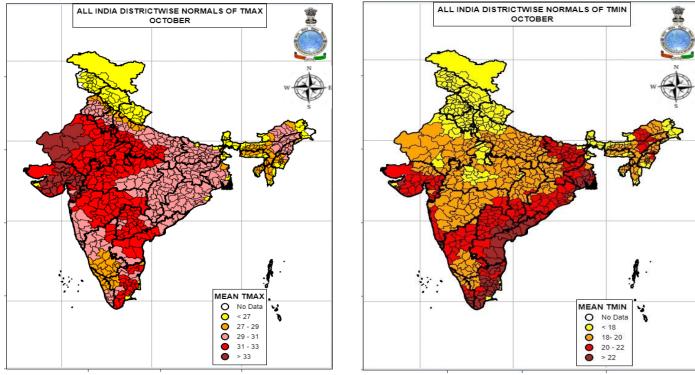


Figure 25: Normal Tmax in October 2025

Figure 26: Normal Tmin in October 2025

4.4 Diurnal Range (Tmax - Tmin) in October 2025

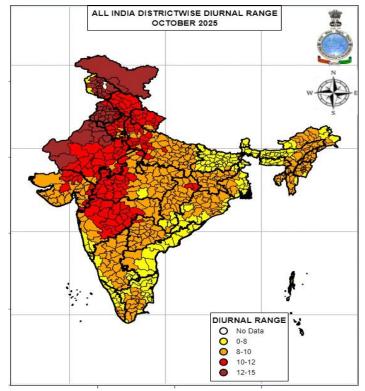


Figure 27: Diurnal Range in October 2025

4.5 District-wise Highest and Lowest Statistics of Temperature in October 2025

TOP 5 DISTRICTS IN EACH CATEGORY WITH TEMP. IN °C (OCTOBER 2025)								
VARIABLES	1	2	3	4	5			
TMAX	Tiruchirapalli (32.9) (Tamil Nadu)	Tuticorin (32.8) (Tamil Nadu)	Sivaganga (32.8) (Tamil Nadu)	Pudukkotai (32.7) (Tamil Nadu)	Jaisalmer (32.6) (Rajsathan)			
TMAX ANOMALY	Nagapattinam (13.8) (Tamil Nadu)	Churachandpur (13.6) (Manipur)	Chennai (11.9) (Tamil Nadu)	Puducherry (11.5) (Puducherry)	Devbhoomi Dwarka(10.5) (Gujarat)			
TMIN	Cuddalore (24.9) (Tamil Nadu)	Lakshadweep (24.8) (Lakshadweep)	Nagapattinam (24.8) (Tamil Nadu)	Karaikal (24.8) (Puducherry)	Thiruvarur (24.7) (Tamil Nadu)			
TMIN ANOMALY	Nagapattinam (11.1) (Tamil Nadu)	Puducherry (10.0) (Puducherry)	Chennai (9.8) (Tamil Nadu)	Churachandpur (9.7) (Manipur)	Devbhoomi Dwarka (9.0) (Gujarat)			
DIURNAL RANGE	Anantnag (15.4) (J & K)	Kishtwar (15.0) (J & K)	Ramban (15.0) (J & K)	Kulgam (14.8) (J & K)	Shopian (14.5) (J & K)			

BOTTOM 5 DISTRICTS IN EACH CATEGORY WITH TEMP. IN °C (OCTOBER 2025)								
VARIABLES	1	2	3	4	5			
TMAX	Leh (19.2) (Ladakh)	Punch (19.2) (J & K)	Bandipore (19.2) (J & K)	Badgam (19.2) (J & K)	Kupwara (19.1) (J & K)			
TMAX ANOMALY	Poonch (-4.0) (J&K)	Sirohi (-3.8) (Rajasthan)	Hamirpur (-3.8) (HP)	Bilaspur (-3.7) (HP)	Udaipur (-3.7) (Rajasthan)			
TMIN	Pulwana (5.2) (J & K)	Srinagar (5.2) (J & K)	Bandipore (5.2) (J & K)	Baramulla (5.1) (J & K)	Kupwara (5.1) (J & K)			
TMIN ANOMALY	Poonch (-4.3) (J & K)	Baramula (-4.0) (J & K)	Badgam (-3.9) (J & K)	Kulgam (-3.8) (J & K)	Shopian (-3.7) (J & K)			
DIURNAL RANGE	Lakshadweep (6.5) (Lakshadweep)	Srikakulam (6.5) (Andhra Pradesh)	Nicobar (5.8) (A & N Islands)	South Andaman (5.3) (A & N Islands)	North & Middle Andaman (5.1) (A & N Islands)			

NOTE: Temperatures above are district-wise monthly mean temperatures for October 2025.