



**Drought Assessment based on Drought indices generated at India
Meteorological Department**

Period - September 2025 and June- September 2025

**Climate Application & User Interface,
Office of Climate Research and Services,
India Meteorological Department
Ministry of Earth Sciences
Shivajinagar, Pune 411005**

Summary

- The drought indicator assessment has been done for 30 states and 11 union territories (718 districts) for the month of September 2025 and the period from June to September 2025 using drought indices viz, Standardized Precipitation Index (SPI), Standardized Precipitation Evapotranspiration Index (SPEI) and Aridity Anomaly Index (AAI).
- 147 districts are in the deficient/ large deficient category for the period June to September 2025, whereas 226 districts are in the deficient/ large deficient category for the month of September 2025 based on rainfall percentage departure from normal.
- For the month of September 2025, 52 districts are in moderately/ severely/ extremely dry condition or moderately/ severely arid condition in any two of the three drought indices (SPI, SPEI, AAI), and 16 districts are in the aforementioned dry condition in all three drought indices.
- For June to September 2025, 24 districts (3.48% of the area of the country) are in moderately arid condition, and 2 districts (0.27% of the area of the country) are in severely arid condition.
- For the period June to September 2025, 55 districts are in moderately/ severely/ extremely dry condition or moderately/ severely arid condition in any two of the three drought indices (SPI, SPEI, AAI), and 12 districts are in the aforementioned dry condition in all three drought indices.
- The maximum number of districts in dry/ arid conditions, as per the three drought indices, is in Bihar and Uttar Pradesh states from June to September 2025.

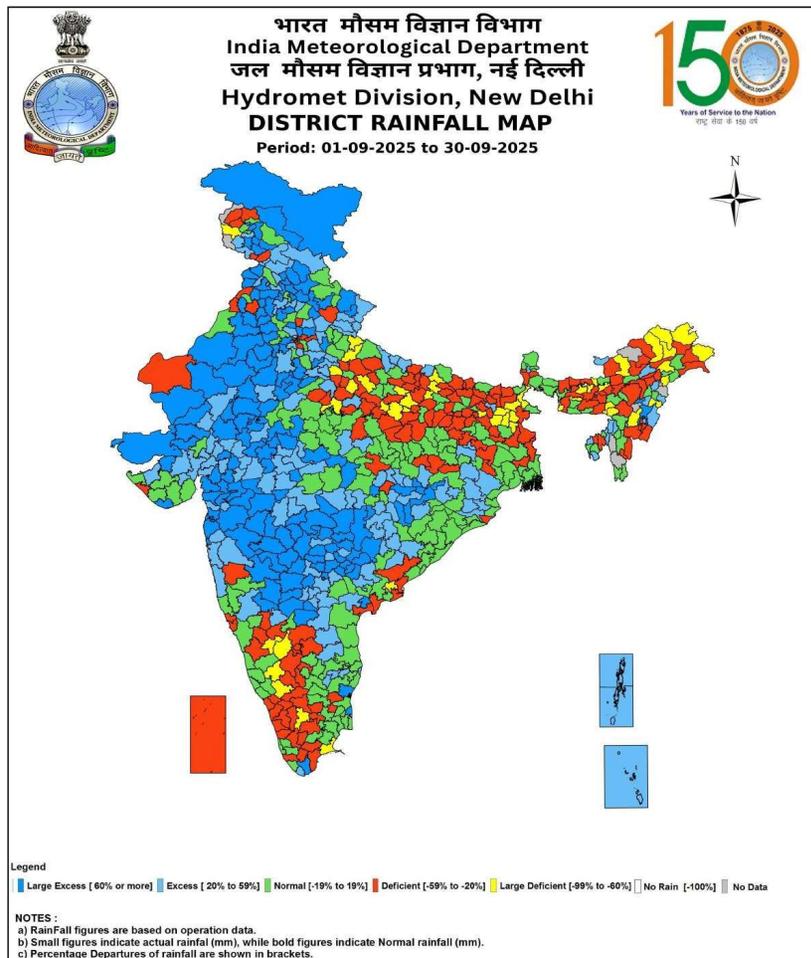


Figure 1: Rainfall Percentage departure from Normal for the month of September 2025

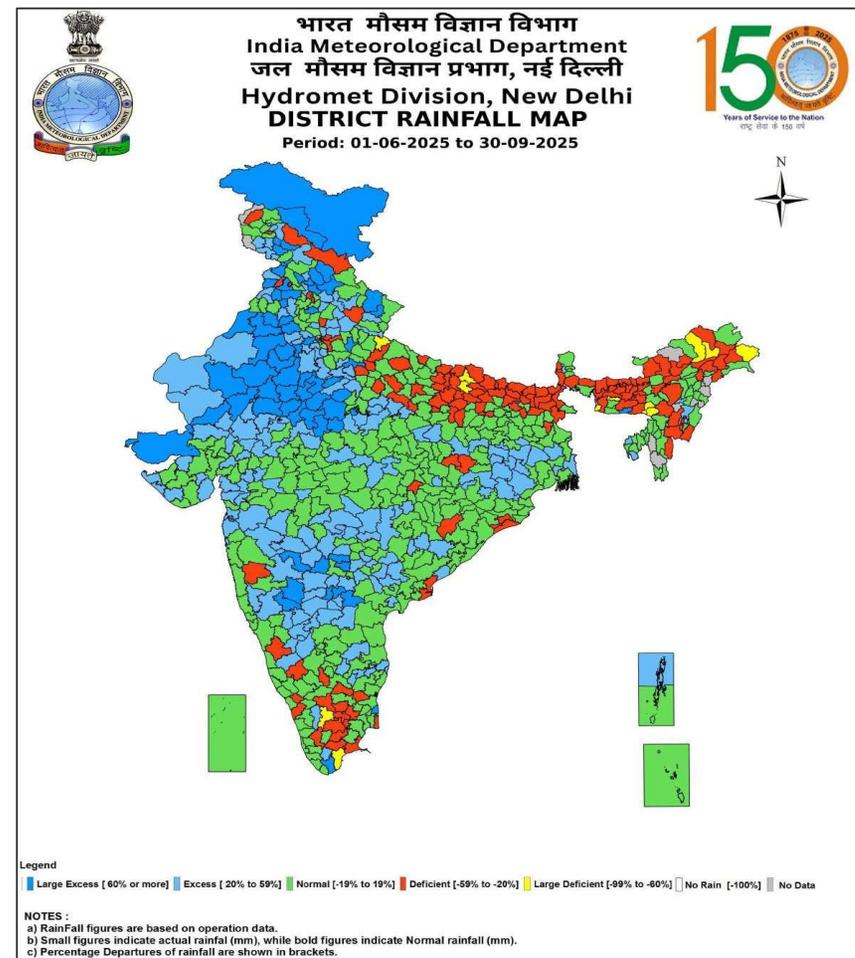


Figure 2: Rainfall Percentage departure from Normal for the period June to September 2025

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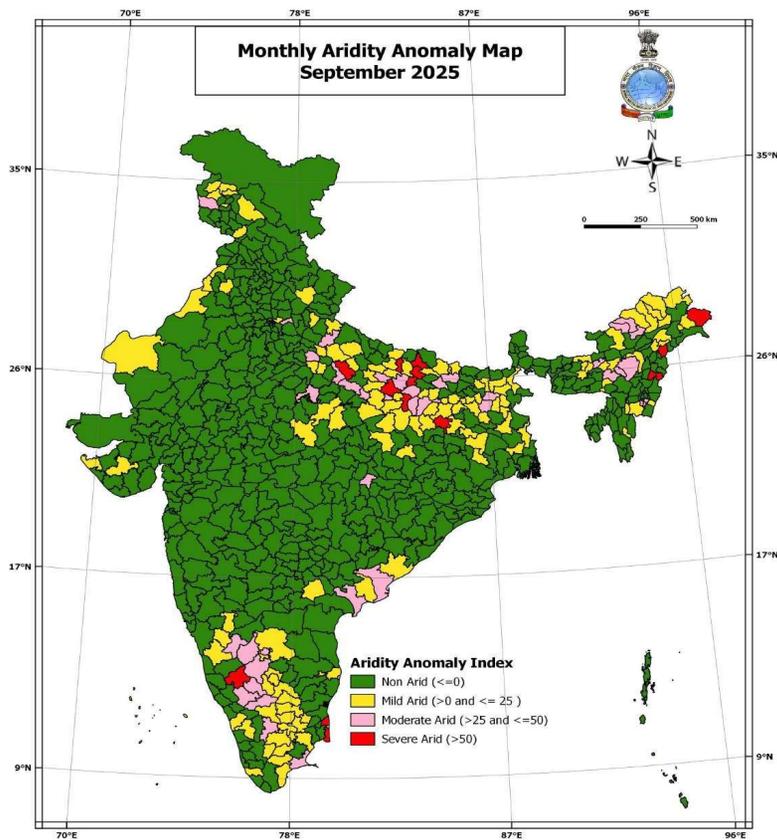


Figure 3: Aridity Anomaly Index (AAI) for the month of September 2025

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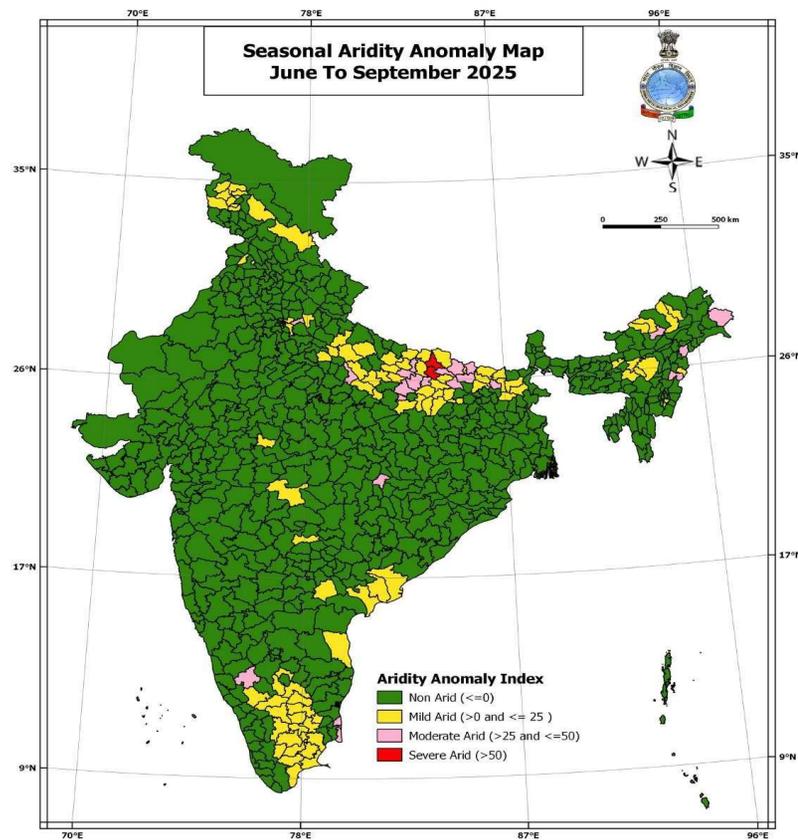


Figure 4: Aridity Anomaly Index (AAI) for the period June to September 2025

Table 1: Districts in Moderately/ Severely Arid conditions based on AAI for September 2025

State	Moderately Dry	Severely Dry
Andhra Pradesh	East Godavari, Krishna	
Arunachal Pradesh	Kra Daadi, Kurung Kumey, Lower Subansiri	Anjaw
Assam	Darrang, Hojai, Karbi Analog, West Karbialog	
Bihar	Banka, Bhabua, Bhagalpur, Muzaffarpur, Rohtas, Saran, Arwal	
Jammu & Kashmir	Punch	
Karnataka	Chamarajanagar, Chitradurga, Davangere, Mandhya, Mysore, Tumkur	Hasan
Manipur	Bishnupur, Kakching, Thoubal	
Nagaland		Mon, Phek
Tamil Nadu	Ramanathapuram, Tiruppur	Nagapattinam
Union Territory	Yanam	
Uttar Pradesh	Azamgarh, Fatehpur, Panchshil Nagar, Gazipur, Jhansi, Kanpur, Kaushambi, Mainpuri, Shahjahanpur, Sultanpur, Santravidasnagar	Chandauli, Deoria, Jaunpur, Kushinagar, Mau, Sant Kabir Nagar, Unnao
Jharkhand		Chatra
Chhattisgarh	Bemetara	

Table 2: Districts in Moderately/ Severely Arid conditions based on AAI for June to September 2025

State	Moderately Dry	Severely Dry
Arunachal Pradesh	Anjaw, Lower Subansiri	
Bihar	Purba Champaran, Gopalganj, Muzaffarpur, Saharsa, Saran, Sitamarhi	
Karnataka	Hassan	
Nagaland	Mon, Phek	
Tamil Nadu	Nagapattinam, Chennai	
Union Territory	Karaikal, Puduchery	
Uttar Pradesh	Ambedkarnagar, Azamgarh, Azamgarh, Jaunpur, Kanpur, Santkabirnagar, Panchshil Nagar	Deoria, Kushinagar
Chhattisgarh	Bemetara	

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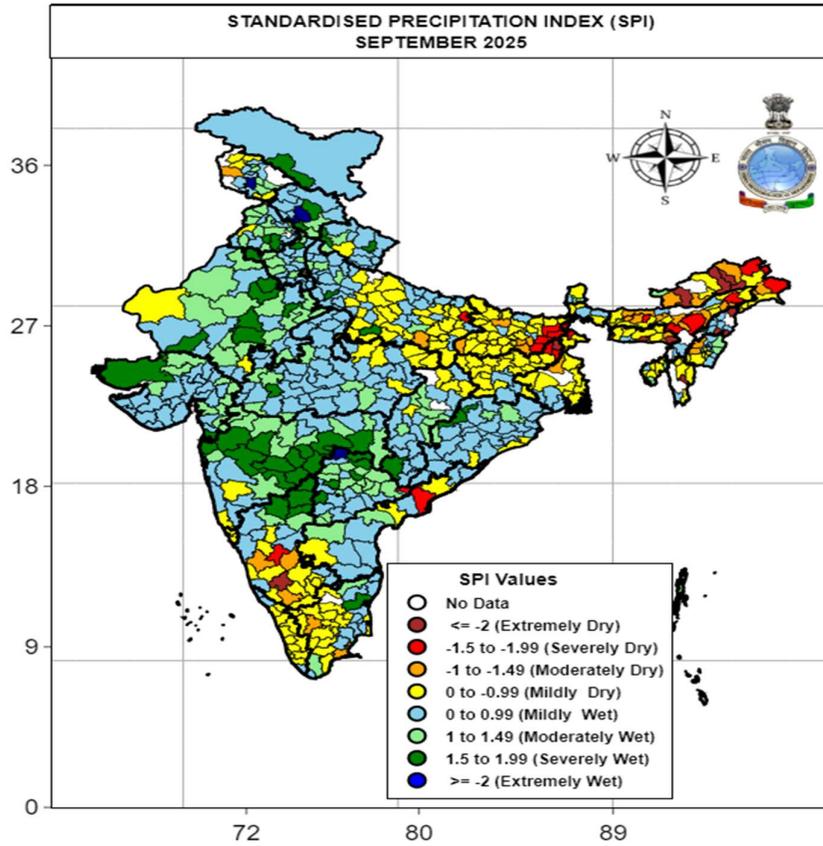


Figure 5: Standardized Precipitation Index (SPI) for the month of September 2025

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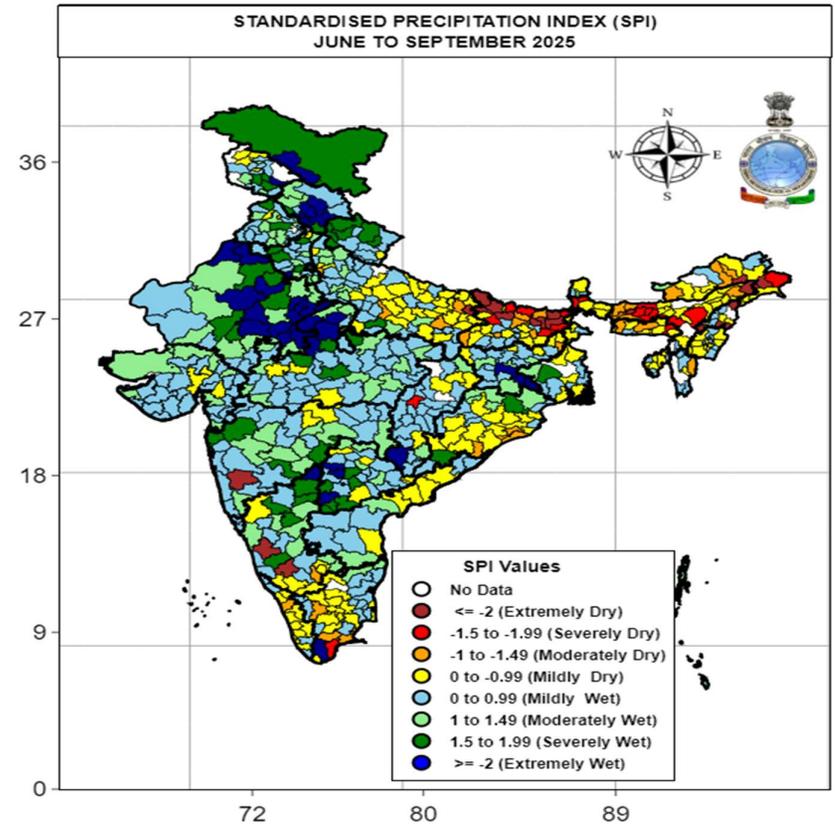


Figure 6: Standardized Precipitation Index (SPI) for the period June to September 2025

Table 3: Districts in Moderately/ Severely/ Extremely dry conditions based on SPI for September 2025

State	Moderately Dry	Severely Dry	Extremely Dry
Andhra Pradesh		East-Godavari	
Arunachal Pradesh	Anjaw, Upper-Dibang-Val, Lohit, Namsai, Papumpara, Upper-Siang	East-Siang	East-Kameng, Siang, West-Siang
Assam	Charaideo, Sibsagar, Barpeta, Bongaigaon	Dibrugarh, Karbi-Anglong, Wkarbialog, Nalbari	
Bihar	Bhabua, Jamui, Luckeesarai, Munger, Purnia, Arwal	Banka, Bhagalpur, Katihar	
Jammu And Kashmir	Poonch		
Karnataka	Chitradurga, Mysore, Shimoga	Devangere	Hassan
Meghalaya	Jaintia-Hills		
Mizoram		Serchhip	
Nagaland		Mon	Phek
Tamil Nadu	Ramanathapuram		
Uttar Pradesh	Allahabad, Jaunpur, Maunath	Deoria	
West Bengal	Birbhum, North-Dinajpur		
Jharkhand		Godda, Pakaur	Sahebganj

Table 4: Districts in Moderately/ Severely/ Extremely dry conditions based on SPI for June to September 2025

State	Moderately Dry	Severely Dry	Extremely Dry
Arunachal Pradesh	Changlang, Papumpara, Upper-Siang, West-Kameng	Anjaw	East-Siang, Lohit, Namsai, Siang, West-Siang
Assam	Goalpara, Kamrup, Dhubr, Smankachar, Dibrugarh, Kokrajhar, Golaghat, Demaj	Darang, Charaideo, Sibsagar, Karbi-Anglong, Wkarbianalog, Baksha, Chirang, Kamrupmetro	Barpeta, Nalbari, Bongaigaon, Tinsukia
Bihar	Bhabua, Darbhanga, Katihar, Madhubani, Munger, Samastipur, Shivhar, Supaul	Bhagalpur, West-Champaren, Kishanganj, Purnia, Saharsa, Saran, Sitamarhi	Araria, East-Champaren, Gopalganj, Madhepura, Muzzaffarpur
Karnataka	Ramnagar		Hassan, Shimoga
Kerala	Malappuram		
Maharashtra		Satara	
Meghalaya		West-Garo-Hills, West-Khasi-Hills, Jaintia-Hills	
Mizoram	Champhai		
Odisha	Gajapati, Khordha, Puri		
Tamil Nadu	Ramanathapuram, Virudhunagar Tiruppur	Tuticorin	
Uttar Pradesh	Azamgarh, Gorakhpur, Jaunpur, Kanpur-City, Kushinagar, Maunath, Sant-Kabir-Nagar, Panchshil-Nagar		Deoria
West Bengal	North-Dinajpur	Darjeeling, Kalimpong, Alipurduar, Jalpaiguri	
Chhattisgarh	Surguja		Bematarra

Table 5: Districts in Severely/ Extremely wet conditions based on SPI for June to September 2025

State	Severely Wet	Extremely Wet
Chhattisgarh		Bijapur
Haryana	Fatehabad, Hisar, Jhajjar, Kurukshetra	Mahendragarh
Himachal Pradesh	Sirmaur, Una	Bilaspur, Kullu, Mandi, Shimla, Solan
Jammu & Kashmir	Ramban, Reasi, Udhampur	Doda
Jharkhand		Purbi Singhbhum, Ranchi, Saraikela
Karnataka	Chikmagalur, Gulbarga, Koppal, Bagalkot, Yadgir	Bidar
Madhya Pradesh	Ashoknagar, Raisen, Rajgarh, Tikamgarh	Guna, Gwalior, Sheopur, Shivpuri
Maharashtra	Nanded, Nasik, Osmanabad, Palghar	
Odisha	Kendujhar, Koraput	Phek
Punjab	Gurdaspur, Ludhiana, Pathankot	
Rajasthan	Churu, Jaipur, Jhunjhunu, Pali, Rajsmand	Dausa, Dholpur, Ganganagar, Hanumangarh, Karauli, Kota, Nagaur, Swaimadhopur, Sikar, Baran, Ajmer, Bhilwara, Bundi
Tamil Nadu		Tirunelveli
Telangana	Hyderabad, Jogulamba Gadwal, Nagarkurnool, Siddipet, Vikarabad, Wanaparthy, Yadari Bhuvanagiri	Kamareddy, Mahabubnagar, Medak
Uttar Pradesh	Hamirpur	
Uttarkhand	Bageshwar, Chamoli, Dehradun, Haridwar, Tehri Garwal, Uttarkashi	
West Bengal	Bankura	

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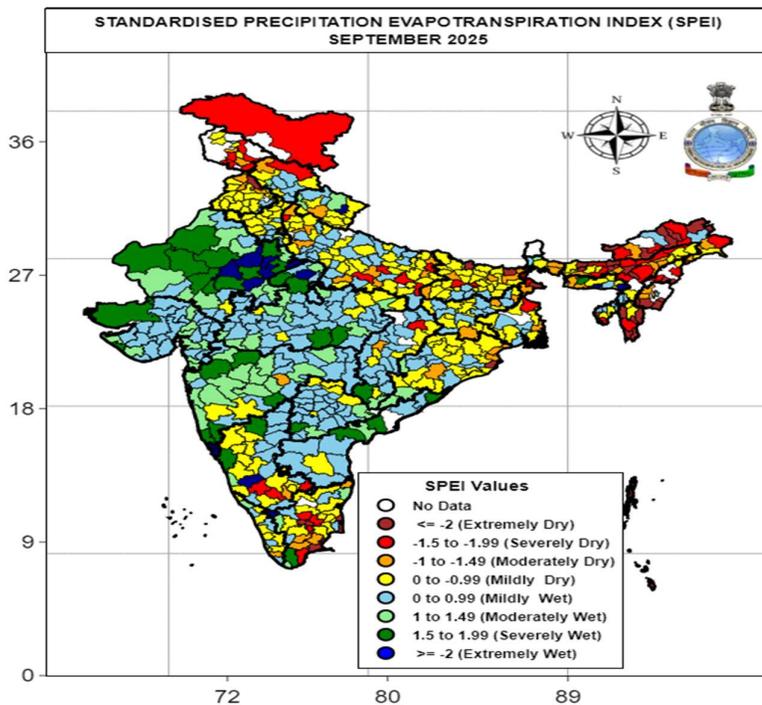


Figure 7: Standardized Precipitation Evapotranspiration Index (SPEI) for the month of September 2025

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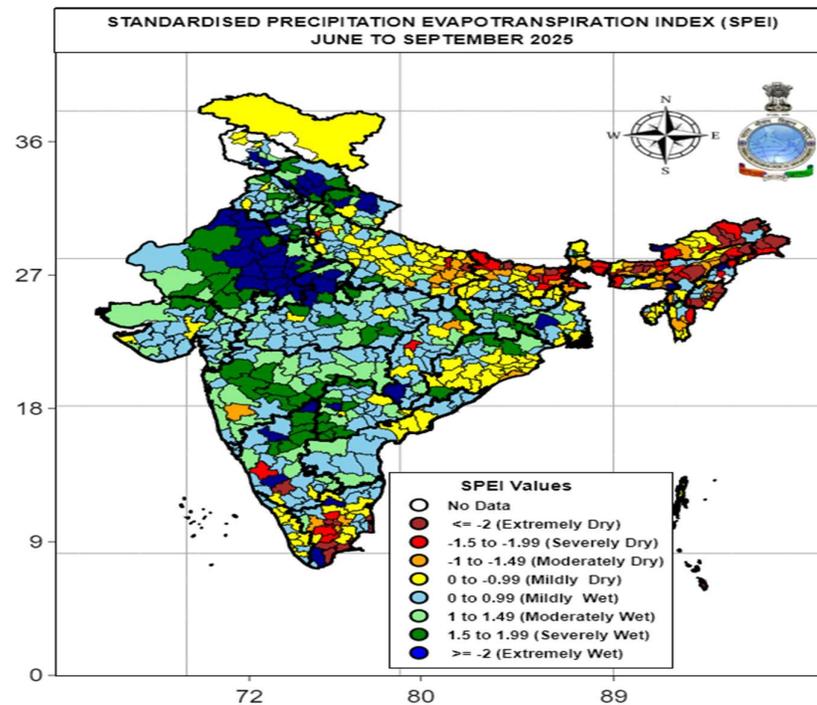


Figure 8: Standardized Precipitation Evapotranspiration Index (SPEI) for the period June to September 2025

Table 6: Districts in Moderately/ Severely/ Extremely dry conditions based on SPEI for September 2025

State	Moderately Dry	Severely Dry	Extremely Dry
Andhra Pradesh			East Godavari
Arunachal Pradesh	Changlang, Lower Subansiri, Papum-Pare, West Kameng	Lohit, Namsai, Upper Siang	Anjaw, Dibang Valley, East Kameng, East Siang
Assam	Barpeta, Bongaigaon, Chirang, Goalpara, Golaghat, Nagaon, Udalguri	Baksa, Charaideo, Darrang, Hojai, Karbi Analog, Nalbari, Sibsagar, West Karbi Analog	
Bihar	Arwal, Jamui, Munger	Arariya, Banka, Bhagalpur, Katihar, Purnia	
Karnataka	Chitradurga, Davangere		
Manipur	Bishnupur, Chandel, Kakching, Noney, Pherzawl, Tamenglong, Thoubal	Churachandpur	
Meghalaya	East Khasi Hills, West Garo Hills	West Jaintia Hills	
Mizoram	Aizawl, Saiha	Champhai	Serchhip
Nagaland			Mon, Phek
Tamil Nadu	Chennai, Karur, Theni, Tiruppur		Nagapattinam, Ramanathapuram, Tuticorin, Virudhunagar
Union Territory	Nicobar		Lakshadweep, Karaikal
Tripura	Sepahijala		
Uttar Pradesh	Deoria, Jaunpur, Mau		
West Bengal	Dakshin Dinajpur, Hugli, Malda	Uttar Dinajpur	
Jharkhand	Gooda	Pakur	Sahebganj

Table 7: Districts in Moderately/ Severely/ Extremely dry conditions based on SPEI for June to September 2025

State	Moderately Dry	Severely Dry	Extremely Dry
Arunachal Pradesh	East Kameng, Longding	Changlang, Lower Subansiri, Upper Siang, West Kameng	Anjaw, Dibang Valley, East Siang, East Siang, Namsai, Siang, West Siang
Assam	Bongaigaon, Chirang, Goalpara, Golaghat, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Majuli, Morigaon	Darrang, Dhubri, Dibrugarh, Hojai, Nagaon, South Salamara Mankachar, Udalguri	Baksa, Barpeta, Charaideo, Karbi Analog, Nalbari, Sibsagar, Tinsukia, West Karbi Analog
Bihar	Katihar, Madubani, Muzaffarpur, Saran, Sheohar, Sheohar, Supaul	Bhagalpur, Gopalganj, Kishanganj, Pachim Champaran, Purba Champaran, Purnia, Saharsa	Arariya, Madhepura, Sitamarhi
Karnataka		Shimoga, Tengenupal	Hassan
Maharashtra	Satara		
Manipur	Kangpokpi, Senapati	Pherzawl	Bishnupur, Jiribam, Churachandpur, Kakching, Kamjong, Thoubal, Ukhrul
Meghalaya	East Khasi Hills, Ri Bhoi, West Jaintia Hills	West Garo Hills	South West Garo Hills
Mizoram	Lunglei, Serchhip	Champhai	
Nagaland		Mon, Zunheboto	
Odisha	Puri		
Tamil Nadu	Tiruchirappalli, Tiruppur	Dindigul, Madurai, Namakkal	Chennai, Karur, Virudhunagar Nagapattinam, Tuticorin, Ramanathapuram
Tripura	Sepahijala		
Union Territory		South Andaman, Diu	Nicobar, Lakshadweep, Karaikal, Puducherry

Uttar Pradesh	Ambedkar Nagar, Azamgarh, Chandauli, Gorakhpur, Hapur, Jaunpur, Kaushambi, Kushinagar, Mau, Santravidasnagar	Gautambudhnagar, Santkabirnagar.	Deoria
West Bengal	Darjeeling, Jalpaiguri, Malda	Alipurduar, Dakshin Dinajpur, Kochbihar	Uttar Dinajpur
Chhattisgarh	Surguja	Bemetara	

Table 7: List of districts in any two of the three Drought indices viz SPI, SPEI and AAI for September 202

State	Districts in Moderately/ Severely/ Extremely dry / Moderately/ Severely Arid conditions in any two of the Indices (AAI, SPEI and SPI)
Andhra Pradesh	East-Godavari
Arunachal Pradesh	Anjaw, East-Kameng, East-Siang, Lohit, Lower Subansiri, Namsai, Papumpara, Siang, Upper-Dibang-Val, Upper-Siang, West-Siang
Assam	Barpeta, Bongaigaon, Charaideo, Darrang, Dibrugarh, Hojai, Karbi-Anglong, Nalbari, Sibsagar, Wkarbianalog
Bihar	Arwal, Banka, Bhabua, Bhagalpur, Jamui, Katihar, Munger, Purnia
Jammu And Kashmir	Poonch
Jharkhand	Godda, Pakaur, Sahebganj
Karnataka	Chitradurga, Devangere, Hassan, Mysore
Manipur	Bishnupur, Kakching, Thoubal
Meghalaya	Jaintia-Hills

Mizoram	Serchhip
Nagaland	Mon, Phek
Tamil Nadu	Nagapattinam, Tiruppur, Ramanathapuram
Uttar Pradesh	Jaunpur, Maunath (Mau), Deoria
West Bengal	North-Dinajpur

Table 8: List of districts in all three of the Drought indices viz SPI, SPEI and AAI for September 2025

State	Districts in Moderately/ Severely/ Extremely dry / Moderately/ Severely Arid conditions in all three Indices (AAI, SPEI, and SPI)
Andhra Pradesh	East-Godavari
Arunachal Pradesh	Anjaw
Assam	Karbi-Anglong, Wkarbianalog
Bihar	Arwal, Banka, Bhagalpur
Karnataka	Chitradurga, Devangere, Hassan
Nagaland	Mon, Phek
Tamil Nadu	Ramanathapuram
Uttar Pradesh	Maunath(Mau), Jaunpur, Deoria

Table 9: List of districts in any two of the three Drought indices viz SPI, SPEI and AAI for June to September 2025

State	Districts in Moderately/ Severely/ Extremely dry / Moderately/ Severely Arid conditions in any two of the Indices (AAI, SPEI and SPI)
Arunachal Pradesh	Anjaw, Changlang, Lower Subansiri, Upper Siang, West Kameng
Assam	Bongaigaon, Chirang, Darrang, Dibrugarh, Goalpara, Golaghat, Kamrup Metro, Kamrup Rural, Karbi Analog, South Salamara Mankachar
Bihar	Bhagalpur, Gopalganj, Katihar, Kishanganj, Madubani, Muzaffarpur, Pachim Champaran, Purba Champaran, Purnia, Saharsa, Saran, Sheohar, Sitamarhi, Supaul
Karnataka	Hassan, Shimoga
Maharashtra	Satara
Meghalaya	West Garo Hills, West Jaintia Hills
Mizoram	Champhai
Nagaland	Mon
Odisha	Puri
Tamil Nadu	Tiruppur
Uttar Pradesh	Ambedkarnagar, Azamgarh, Deoria, Gorakhpur, Jaunpur, Kanpur, Kushinagar, Mau, Panchshil Nagar, Santkabirnagar, Santravidasnagar
West Bengal	Alipurduar, Darjeeling, Jalpaiguri
Jharkhand	Bemetara, Surguja

Table 10: List of districts in all three of the Drought indices viz SPI, SPEI and AAI for June to September 2025

State	Districts in Moderately/ Severely/ Extremely dry / Moderately/ Severely Arid condition in all the three Indices (AAI, SPEI and SPI)
Bihar	Gopalganj, Muzaffarpur, Purba Champaran, Saharsa, Saran
Uttar Pradesh	Azamgarh, Jaunpur, Kushinagar, Mau, Panchshil Nagar, Santkabirnagar
Chhattisgarh	Bemetara

Table 11: Percentage area and number of districts under each category of SPI, SPEI, and AAI for the month of September 2025

SPI for September 2025		
Categories (SPI range)	Area (%)	Districts (%)
Extremely wet (2.00 or more)	0.33	0.56
Severely wet (1.50 to 1.99)	9.97	6.82
Moderately wet (1.00 to 1.49)	16.53	16.16
Mildly wet (0 to 0.99)	45.22	42.76
Mildly dry (0 to -0.99)	17.01	21.87
Moderately dry (-1.00 to -1.49)	4.32	4.46
Severely dry (-1.50 to -1.99)	2.8	2.23
Extremely dry (-2.00 or less)	1.8	1.67

SPEI for September 2025		
Categories (SPEI range)	Area (%)	Districts (%)
Extremely wet (2.00 or more)	2.48	1.53
Severely wet (1.50 to 1.99)	9.83	9.05
Moderately wet (1.00 to 1.49)	17.67	14.76
Mildly wet (0 to 0.99)	37.32	35.93
Mildly dry (0 to -0.99)	19.49	23.26
Moderately dry (-1.00 to -1.49)	4.19	5.58
Severely dry (-1.50 to -1.99)	3.84	3.2
Extremely dry (-2.00 or less)	2.46	2.37

AAI for September 2025		
Categories (AAI range)	Area (%)	Districts (%)
Non – Arid (<=0)	69	68
Mild Arid (0 to 25)	17	19
Moderate Arid (25 to 50)	9	9
Severe Arid (>=50)	3	4

Table 12: Percentage area and number of districts under each category of SPI and SPEI for the period June to September 2025

<i>SPI for June-September 2025</i>		
<i>Categories (SPI range)</i>	<i>Area (%)</i>	<i>Districts (%)</i>
<i>Extremely wet (2.00 or more)</i>	6.25%	4.74
<i>Severely wet (1.50 to 1.99)</i>	9.11%	7.38
<i>Moderately wet (1.00 to 1.49)</i>	16.93%	13.79
<i>Mildly wet (0 to 0.99)</i>	40.49%	41.5
<i>Mildly dry (0 to -0.99)</i>	16.02%	19.5
<i>Moderately dry (-1.00 to -1.49)</i>	3.97%	4.32
<i>Severely dry (-1.50 to -1.99)</i>	2.97%	2.64
<i>Extremely dry (-2.00 or less)</i>	2.32%	2.92

<i>SPEI for June-September 2025</i>		
<i>Categories (SPEI range)</i>	<i>Area (%)</i>	<i>Districts (%)</i>
<i>Extremely wet (2.00 or more)</i>	7.7%	6.82
<i>Severely wet (1.50 to 1.99)</i>	12.67%	9.05
<i>Moderately wet (1.00 to 1.49)</i>	17.34%	13.65
<i>Mildly wet (0 to 0.99)</i>	35.1%	34.81
<i>Mildly dry (0 to -0.99)</i>	12.93%	16.16
<i>Moderately dry (-1.00 to -1.49)</i>	4.5%	6.13
<i>Severely dry (-1.50 to -1.99)</i>	4.39%	5.01
<i>Extremely dry (-2.00 or less)</i>	5.99	5.43

<i>AAI for June-September 2025</i>		
<i>Categories (AAI range)</i>	<i>Area (%)</i>	<i>Districts (%)</i>
<i>Non – Arid (<=0)</i>	76	73
<i>Mild Arid (0 to 25)</i>	18	21
<i>Moderate Arid (25 to 50)</i>	4	5
<i>Severe Arid (>=50)</i>	1	1