MAUSAM, **77**, 4 (October 2026), 1559-1590

MAUSAM

Homepage: https://mausamjournal.imd.gov.in/index.php/MAUSAM

Weather in India

POST MONSOON SEASON (October-December 2025)†

1. Introduction

Post monsoon season 2025 witnessed the formation of six intense low-pressure systems in the north Indian ocean (NIO), *viz* two Severe Cyclonic Storm, "Shakti" over northwest & adjoining westcentral Arabian Sea and "Montha" over Southwest & adjoining Westcentral Bay of Bengal in October, two Cyclonic Storms "SENYAR" over the Strait of Malacca and ''DITWAH" over the Bay of Bengal in November. One deep depression over westcentral and adjoining northwest Bay of Bengal in October and other depression over southeast Arabian Sea in October. Besides these storms one well marked low pressure area and one low pressure area formed in November over Bay of Bengal. In the month of December, no intense low-pressure system formed.

The southwest monsoon withdrew from the entire country on 16th October 2025, (normal date 15th October) and simultaneously northeast monsoon season commenced over the southern peninsula. Northeast monsoon activity was ceased on 19th January 2025. Rainfall activity during the season as a whole was 111% of its LPA. It was 149% of its LPA during October, 57% of its LPA during November and 31% of its LPA during December.

Northeast Rainfall activity over the core region of South Peninsular India (comprising of 5 subdivisions viz. Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe) during the season as a whole was 102% of its LPA. It was 143% of its LPA during October, 57% of its LPA during November and 65% of its LPA during December

During the Post-Monsoon season, the mean temperature over the country was 22.24 °C with an anomaly of -0.10 °C (34th highest since 1901). Among the four homogeneous regions, over East & Northeast India, the minimum temperature was the 5th highest (16.72 ºC with an anomaly of 0.78 ºC) after the years 2024 (17.19 ºC), 2023(17.12 ºC), 1998(16.79 ºC) and 1915(16.76 ºC) and the mean temperature was the 9th highest (22.04 ºC with an anomaly of 0.48 ºC) since 1901.

The maximum temperatures were below or near normal over most parts of the country, except some parts of north India and northeast India. The maximum temperature anomaly was more than 2 °C over parts of Uttarakhand. The maximum temperature anomaly was more than 1 °C over parts of Ladakh, Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Arunachal Pradesh, Mizoram, Tripura and Sikkim. The maximum temperature anomaly was less than -1 °C over parts of Uttar Pradesh, Madhya Pradesh, north Madhya Maharashtra and Vidarbha.

The minimum temperature was below normal in most parts of the country, except some parts of east & northeast India, western central India, southern peninsular India and both the islands. The minimum temperature anomaly was more than 2 °C over parts of Bihar. The minimum temperature anomaly was less than -1 °C over parts of Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Madhya Pradesh, Jharkhand, Chhattisgarh, northern Konkan, Interior Karnataka, Telangana and Coastal Andhra Pradesh & Yanam.

2. Seasonal rainfall (October–December 2025)

The meteorological sub-division wise rainfall percentage departure from normal is given in Fig. 1 and Table 1. The significant amounts of rainfall are given in Tables 5. Rainfall realized over the country as a whole during the season was 111% of LPA. During the season, many sub-divisions received large excess/excess/normal rainfall except Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, Jammu & Kashmir, Madhya Maharashtra, North Interior Karnataka and Kerala & Mahe. During the season, out of 36 meteorological sub-divisions, 11 received large excess, 8 received excess, 9 received normal and 8 received deficient rainfall.

†*Compiled by* : O.P. Sreejith, S.D. Sanap, Sudeepkumar B.L., V.K. Shripad, Rajashree Pise, Weather Forecasting Division, Pune – 411005, India

3. Monthly features

3.1. *October*

3.1.1. *Withdrawal of southwest Monsoon*

In view of the establishment of an anti-cyclonic circulation in the lower tropospheric levels over western parts of Northwest India and substantial reduction in moisture content as well as rainfall, the Southwest monsoon withdrew from entire country on 16th October against the normal date of 15th October. While withdrawal from the country normally starts on 17th September, this year it commenced on 14th September. Northeast Monsoon rainfall activity has commenced over southeast Peninsula on 16th October, 2025. Hence, simultaneous withdrawal of southwest monsoon and onset of northeast monsoon took place in 2025.

3.1.2. *Commencement of northeast monsoon rain*

In view of setting in of northeasterly winds in the lower tropospheric levels over Bay of Bengal and South Peninsular India, the Northeast monsoon rain commenced over coastal areas of Tamil Nadu, Puducherry, Karaikal, Kerala, Mahe, Coastal Andhra Pradesh, south interior Karnataka & Rayalaseema on 16th October.

3.1.3. *Storms and depressions*

Fig. 2. Shows Cyclones and depressions during post-monsoon season 2025.

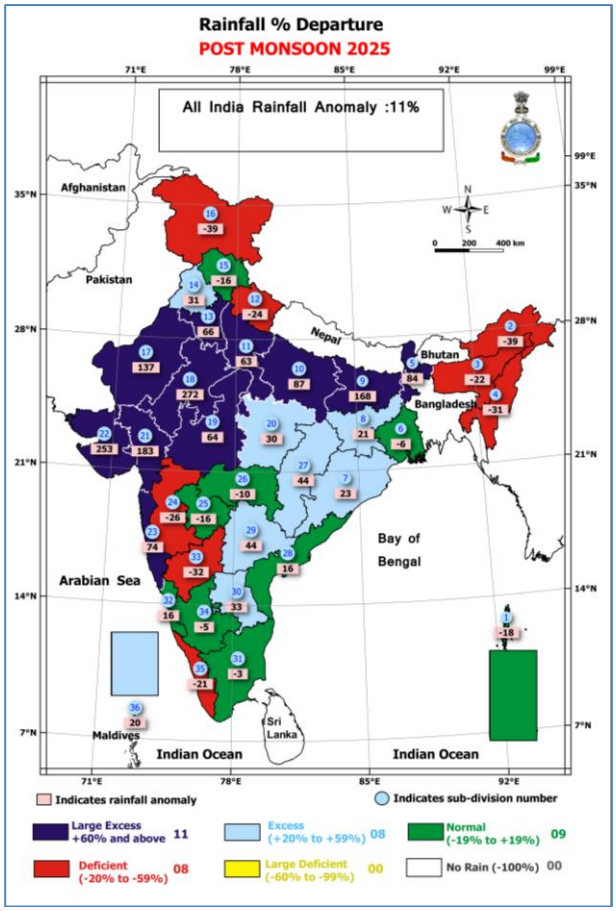


Fig. 1. Sub-divisionwise seasonal rainfall departure from normal (%) for post monsoon season (October to December, 2025).

(*i*) *Severe cyclonic storm "Shakhti" over northwest & adjoining westcentral Arabian Sea (1 - 7 Oct. 2025)*

A Well Marked Low Pressure Area lay over west Vidarbha & adjoining north Madhya Maharashtra at 0830 hrs IST of 28th Sept. It moved west-northwestwards & lay over northeast Arabian Sea and adjoining Saurashtra coast at 0830 hrs IST of 1st Oct. It then moved nearly westwards and concentrated into a depression and lay centered over northeast Arabian Sea near Lat. 22.0° N & Long. 68.3° E at 1730 hrs IST of 1st October. It moved south-southwestwards and lay centered over northeast Arabian Sea till 1730 hrs IST of 2nd. It then moved nearly westwards and intensified into a Deep Depression and lay centered over the same region near Lat. 20.8° N & Long. 67.7° E at 2330 hrs IST of 02nd. It moved northwestwards and intensified into a Cyclonic Storm "Shakhti" (Pronunciation :Shakhti]) and lay centered over the same region near Lat. 21.7° N & Long. 66.8° E at 1130 hrs IST of 3rd. It moved northwestwards and then moved west-wards & further intensified into Severe Cyclonic Storm and lay centered over northeast Arabian Sea near Lat. 22.0° N & Long. 65.0° E at 0530 hrs IST 4th. It moved westwards and then west-southwestwards & south-southwestwards and lay centered over westcentral and adjoining northwest Arabian Sea and moved nearly southwards, weakened into a Cyclonic Storm and lay centered over the same region, near Lat. 19.6°N & Long. 60.4°E. at 0530 hrs IST of 6th October. It then moved nearly southwards and weakened into a Deep Depression and lay centered over the same region, near Lat. 19.5°N & Long. 60.1°E at 2300 hrs IST of 6th. It moved southeastwards and weakened into a Depression and lay centred over the same region, near Lat. 19.0°N & Long. 60.5°E at 0830 hrs IST of 7th. It moved east-southeastwards and and weakened into a Well Marked Low Pressure Area over westcentral Arabian Sea at 1730 hrs IST of 7th Oct.

The system didn't cause any significant adverse weather over any of the countries bordering Arabian Sea including India, Pakistan, Iran, Oman and Yemen except high sea conditions over north & westcentral Arabian Sea, as it moved across various regions of north and westcentral Arabian Sea. No ship was damaged due to early warnings by IMD.

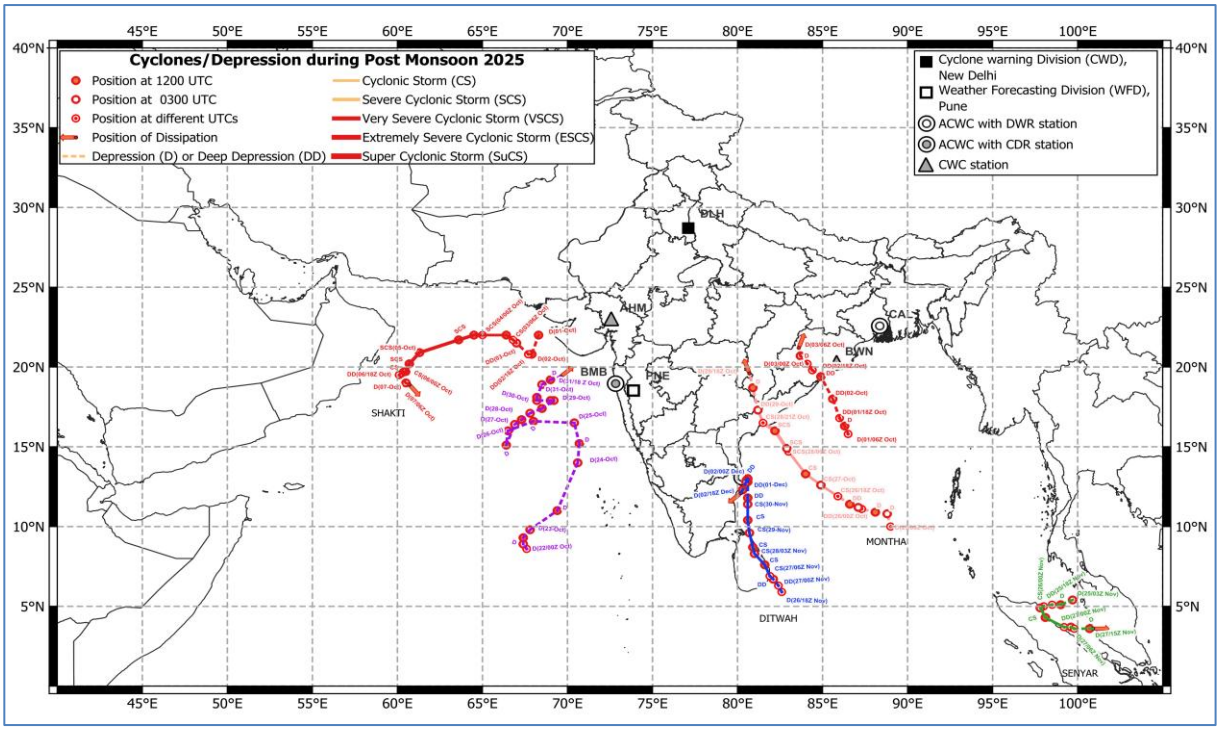


Fig. 2. During October, a total of four intense low-pressure systems formed. One Severe Cyclonic Storm, namely "MONTHA" (25 - 30 October) and one Deep Depression (1- 3 October) formed over the Bay of Bengal. Over the Arabian Sea, one Severe Cyclonic Storm, namely "Shakhti" (1 - 7 October), and one Depression (22 Oct - 1 Nov) formed

(*ii*) *Deep Depression over westcentral and adjoining northwest Bay of Bengal (1 - 3 October 2025)*

Under the influence of the cyclonic circulation over eastcentral Bay of Bengal & neighbourhood, a Low Pressure Area formed over westcentral Bay of Bengal at 1730 hrs IST of 30th September. It then lay as a Well Marked Low Pressure Area over the same region at 0530 hrs IST 1st October. It moved north-northwestwards and concentrated into a Depression and lay centered over westcentral Bay of Bengal near Lat. 15.8° N & Long. 86.5° E at 1130 hrs IST of 1st Oct. It moved north-northwestwards and intensified into a Deep Depression and lay centered over westcentral and adjoining northwest Bay of Bengal near Lat. 16.8° N & Long. 86.0° E at 1800 hrs IST of 01st. It moved north-northwestwards and crossed Odisha coast close to Gopalpur around during 1530 to 1730 hrs IST of 2nd October 2025 as a deep depression and lay centered over south coastal Odisha near Lat. 19.4° N & Long. 84.8° E at 1730 hrs IST of 2nd. It moved north-northwestwards & weakened into a Depression and lay centered over interior Odisha near Lat. 20.2° N & Long. 84.1° E at 0530 hrs IST of 3rd. It moved north-northwestwards and lay centered over the same region near Lat. 20.7° N & Long. 83.7° E at 0830 hrs IST of 3rd. It moved nearly northwards and weakened into a Well Marked Low Pressure Area and lay over north Chhattisgarh and adjoining areas of north interior Odisha & Jharkhand at 1730 hrs IST 3rd and further weakened into a Low pressure area over north Bihar & neighbourhood at 0530 hrs IST of 5th. It became less marked at 0830 hrs IST of 5th Oct.

Heavy to very heavy rainfall occurred over land (North coastal Andhra Pradesh and south Interior Odisha) due to movement of system over land crossing the Odisha coast during forenoon of 2nd October. Light to moderate rainfall at most places with isolated heavy rainfall occurred over Gangetic west Bengal and adjoining Bangladesh.

The deep depression over Bay of Bengal triggers heavy rains in Odisha, Bengal which causes flooding in many areas as per the media report.

(*iii*) *Depression over southeast Arabian Sea (22 October -1 November 2025)*

Under the influence of the upper air cyclonic circulation over southeast Arabian Sea & adjoining Lakshadweep area, a Low-Pressure area formed over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts at 0530 hrs IST of 18th October 2025 and became Well Marked Low Pressure Area at 0830 hrs IST of 18th. It moved nearly westwards and concentrated

TABLE 1

Sub–division wise rainfall (mm) for each month and season as a whole (October–December 2025) (Updated)

No.	Sub–Division	October			November			December			Season		
		Actual	Normal	%Dep	Actual	Normal	%Dep	Actual	Normal	%Dep	Actual	Normal	%Dep
1	A & N ISLANDS	309.7	284.6	9%	134.7	238.8	-44%	105.8	147.1	-28%	550.2	670.5	-18%
2	Arunachal pradesh	115.3	169.7	-32%	28.2	41.6	-32%	3.0	30.2	-90%	146.5	241.5	-39%
3	Assam & meghalaya	120.4	153.1	-21%	27.3	26.6	2%	0.7	10.4	-93%	147.6	190.1	-22%
4	Nag.,Mani., Mizo.,Trip	108.1	150.7	-28%	28.0	38.2	-27%	0.0	10.2	-99%	136.9	199.1	-31%
5	S.h.w.b.& sikkim	220.1	142.7	54%	89.0	14.9	497%	0.1	10.7	-99%	309.2	168.3	84%
6	Gangetic W.B.	161.5	135.3	19%	3.4	21.1	-84%	0.0	18.6	-99%	165.0	175.0	-6%
7	Odisha	172.3	112.0	54%	1.0	22.1	-96%	0.3	6.7	-95%	173.6	140.8	23%
8	Jharkhand	99.6	73.4	36%	8.0	8.8	-9%	0.0	6.9	-99%	107.6	89.1	21%
9	Bihar	153.9	57.2	169%	25.8	4.8	438%	0.0	5.1	-100%	179.7	67.1	168%
10	East U.P.	76.4	33.6	127%	2.8	3.3	-16%	0.0	5.4	-100%	79.1	42.3	87%
11	West U.P.	48.9	20.7	136%	0.3	3.5	-92%	0.0	5.9	-100%	49.2	30.1	63%
12	Uttarakhand	41.9	31.0	35%	0.1	6.4	-98%	0.0	17.6	-100%	42.0	55.0	-24%
13	Har., Chandi., Delhi	31.4	9.6	227%	0.7	3.7	-80%	0.0	6.1	-100%	32.2	19.4	66%
14	Punjab	30.0	8.1	271%	1.6	5.1	-68%	0.0	10.9	-99%	31.7	24.1	31%
15	Himachal pradesh	68.5	25.1	173%	1.0	19.7	-95%	0.1	38.1	-99%	69.7	82.9	-16%
16	Jammu & Kashmir and Ladakh	58.4	33.1	76%	6.1	35.2	-83%	13.0	59.4	-78%	77.5	127.7	-39%
17	West rajasthan	27.6	7.6	263%	1.1	3.0	-63%	0.0	1.5	-100%	28.7	12.1	137%
18	East rajasthan	93.0	15.0	520%	3.4	7.6	-55%	0.0	3.3	-100%	96.4	25.9	272%
19	West M.P.	73.7	29.5	150%	2.5	10.6	-76%	0.0	6.4	-100%	76.2	46.5	64%
20	East M.P.	70.2	36.6	92%	2.1	10.9	-80%	0.0	8.2	-100%	72.4	55.7	30%
21	Gujarat Region	82.1	22.1	271%	10.6	9.1	16%	0.0	1.6	-100%	92.7	32.8	183%
22	Saurashtra & Kutch & Diu	81.8	18.1	352%	19.1	9.7	97%	0.0	0.8	-100%	100.9	28.6	253%
23	Konkan & Goa	184.7	116.4	59%	59.5	21.0	183%	0.0	3.3	-100%	244.2	140.7	74%
24	Madhya M'rashtra	69.2	77.9	-11%	7.9	21.3	-63%	0.0	4.3	-100%	77.1	103.5	-26%
25	Marathawada	77.9	74.0	5%	3.1	17.7	-83%	0.0	5.0	-100%	81.0	96.7	-16%
26	Vidarbha	65.6	57.8	13%	3.3	13.0	-75%	0.0	5.4	-100%	68.8	76.2	-10%
27	Chhattisgarh	106.8	60.4	77%	1.6	9.8	-84%	0.0	5.3	-99%	108.4	75.5	44%
28	Coastal A.P. & Yanam	335.1	182.2	84%	16.4	113.1	-86%	23.6	27.6	-15%	374.0	322.9	16%
29	Telangana	164.7	95.8	72%	14.0	23.0	-39%	0.1	5.3	-98%	178.8	124.1	44%
30	Rayalaseema	227.1	132.1	72%	49.0	78.4	-38%	38.6	25.9	49%	314.7	236.4	33%
31	Tamil Nadu, Pudcherry & Karaikal	233.9	172.0	36%	149.2	181.9	-18%	45.9	89.4	-49%	429.0	443.3	-3%
32	Coastal Karnataka	276.0	192.9	43%	22.8	61.7	-63%	8.7	9.4	-8%	307.5	264.0	16%
33	N.I.Karnataka	81.0	103.2	-22%	8.4	23.4	-64%	0.1	4.9	-98%	89.5	131.5	-32%
34	S.I.Karnataka	175.4	137.2	28%	11.5	51.2	-78%	1.7	10.6	-84%	188.6	199.0	-5%
35	Kerala & Mahe	275.7	306.4	-10%	89.1	153.1	-42%	23.5	32.4	-27%	388.3	491.9	-21%
36	Lakshadweep	273.3	153.0	79%	107.5	120.3	-11%	20.9	61.6	-66%	401.7	334.9	20%

into a Depression over the same region, near Lat. 8.6° N & Long.67.6° E at 0530 hrs IST of 22nd. It moved north-northeastwards and lay centered over the southeast & adjoining eastcentral Arabian Sea, near Lat. 12.0° N & Long. 70.0° E at 2330 hrs IST of 23rd. It continued to move north-northeastwards and lay centered over the eastcentral and adjoining southeast Arabian Sea, near Lat. 13.3° N & Long. 70.5° E at 0530 hrs IST of 24th. It further moved north-northeastwards and lay centered over the eastcentral Arabian Sea, near Lat. 14.0° N & Long. 70.6° E at 0830 hrs IST of 24th. It moved north-northwestwards and remained practically stationary and lay centered over

the same region, near Lat. 16.5° N & Long. 70.4° E at 0830 hrs IST of 25th. It moved nearly westwards, southwestwards, eastwards and then moved north-northeastwards and lay centered over the same region, near Lat. 16.1° N & Long. 66.8° E at 0530 hrs IST of 27th. It remained practically stationary and lay centered over the same region and then moved northeastwards and lay centered over the same region till 1200 hrs IST of 31st October. It moved east-northeastwards & weakened into a Well Marked Low Pressure Area and lay centered over eastcentral & adjoining northeast Arabian Sea at 0530 hrs IST of 1st November and moved north-northeastwards and weaken into a Low Pressure Area over northeast & adjoining eastcentral Arabian Sea at 0530 hrs IST of 2nd. It became less marked at 0530 hrs IST of 3rd November.

This system caused Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places over southeast & adjoining southwest Arabian Sea, Lakshadweep, Comorin and Maldives area and coastal Kerala & Karnataka on 23rd Oct. On 24th and 25th Oct., the rainfall was mainly confined to the eastcentral & adjoining southeast Arabian Sea, South Kerala & Comorin area. On 26th & 27th Oct, heavy to very heavy rainfall over eastcentral Arabian Sea was observed both to the east & west of system area. Heavy rainfall also occurred over north Maharashtra on 26th and over north Maharashtra & adjoining areas of south Gujarat on 27th Oct. On 28th Oct., heavy rainfall occurred over South Gujarat, north Maharashtra & west Madhya Pradesh. On 29th Oct., as the system indicated slight weakening, the rainfall zone was mainly confined to eastcentral & adjoining northeast Arabian Sea & coastal areas of south Gujarat.

No damage was reported in association with this system.

(iv) *Severe Cyclonic Storm "Montha" [Pronounced as Mon-Tha]" over southwest & adjoining west-central Bay of Bengal (25-30 October 2025)*

Under the influence of the upper air cyclonic circulation over southeast Bay of Bengal and adjoining south Andaman sea, a Low Pressure Area formed over southeast Bay of Bengal at 0530 hrs IST of 24th and became a Well Marked Low Pressure Area over the same region at 1730 hrs IST of 24th. It moved nearly westwards and concentrated into a Depression and lay centred over the same region, near Lat. 10.8° N & Long. 89.0° E. at 0000 hrs IST of 25th. It moved nearly west-northwestwards & intensified into a Deep Depression and lay centered over the same region, near Lat. 11.1°N & Long. 87.2° E at 0530 hrs IST of 26th. It moved west-northwestwards and lay centred over southeast & adjoining southwest Bay of Bengal, near Lat. 11.4° N & Long. 86.6° E at 1730 hrs IST of 26th and continued to move west-northwestwards, it intensified into a Cyclonic Storm "Montha" (Pronunced as Mon-Tha) and lay centered over southwest & adjoining southeast Bay of Bengal, near Lat. 11.6° N & Long. 85.9° E at 2330 hrs IST of 26th. It moved northwestwards and lay centered over southwest & adjoining areas of westcentral and southeast Bay of Bengal, near Lat. 12.2° N & Long. 85.3° E at 0530 hrs IST of 27th. It then moved north-northwestwards and lay centered over southwest & adjoining westcentral Bay of Bengal, near Lat. 12.6° N & Long. 85.0° E at 0830 hrs IST 27th. It moved north-northwestwards and further intensified into a Severe Cyclonic Storm and lay centered over the same region, near Lat. 14.7° N & Long. 83.1° E at 0530 hrs IST of 28th. It moved north-northwestwards and lay centered over westcentral Bay of Bengal off Andhra Pradesh & Yanam Coasts, near Lat. 16.0° N & Long. 82.3° E at 1730 hrs IST of 28th. It Crossed Andhra Pradesh and Yanam between Machilipatnam and Kalingapatnam to the south of Kakinada close to Narsapur near Lat. 16.35^0 N and Long. 81.70^0 E during 2330 hrs IST of 28th - 0030 hrs IST of 29th and weakened into a Cyclonic Storm and lay centered near Lat. 16.5° N & Long. 81.5° E at 0230 hrs IST of 29th. It moved nearly north-northwestwards and lay centered over the same region, near Lat. 17.0° N & Long. 81.3° E at 0530 hrs IST of 29th. It then moved north-northwestwards & weakened into a Deep Depression and lay centered over coastal Andhra Pradesh & adjoining Telangana near Lat. 17.3° N & Long. 81.2° E at 0830 hrs IST of 29th. It moved north-northwestwards & weakened into a Depression and lay centered over south Chhattisgarh & neighbourhood, near Lat. 18.7° N & Long. 80.9° E at 1730 hrs IST of 29th. It further moved north-northwestwards and weakened into a Well Marked Low Pressure Area over east Vidarbha and adjoining south Chhattisgarh at 0530 hrs IST of 30th and into a Low Pressure Area over southwest Bihar & adjoining Jharkhand at 1730 hrs IST of 31st October.

The system caused extremely heavy rainfall over Coastal Andhra Pradesh & Yanam on 28th & 29th October, heavy to very heavy rainfall over south & coastal Odisha and Rayalaseema on 28th October, heavy rainfall over Gangetic West Bengal on 29th October and exceptionally heavy rainfall over Telangana on 30th October.

No damage was reported in association with this system.

3.1.4. *Other synoptic features and associated weather*

Table 2 provides a summary of the synoptic features for the month of October 2025. Two severe cyclonic storm, 1 deep depression and one depression, 5 western

disturbances (including 2 as an upper air cyclonic circulations, 3 as a troughs), 32 upper air cyclonic circulations and 11 troughs affected the weather over the country during the month of October.

During October 2025, sea surface temperatures (SSTs) were below average in the central and eastcentral Pacific Ocean. Warmer than average SSTs were seen over eastern parts of the equatorial Indian Ocean and near average over the western Indian Ocean. Sea surface temperature anomalies were negative across all NINO regions and fell within the normal range and weak La Niña conditions prevail over the equatorial Pacific region.

Rainfall realized over the country as a whole was 149% of its LPA during October 2025. Rainfall realized over homogeneous regions of northwest India and central India were 260% and 167% of its LPA respectively, which were large excess; south peninsular India was excess (140% of LPA) and east & northeast India was normal (107% of LPA).

Rainfall over All India (112.2 mm) was the second highest since 2001 and the 16th highest since 1901. Rainfall over Northwest India (56.3 mm) was the third highest since 2001 and the tenth highest since 1901. Rainfall over Central India (95.3 mm) was the third highest since 2001 and the 21st highest since 1901. Rainfall over South Peninsular India (212.8 mm) was the third highest since 2001 and the 13th highest since 1901.

During October 2025, northeast monsoon rainfall activity over the core region of the southern peninsula (comprising five subdivisions, namely Coastal Andhra Pradesh and Yanam, Rayalaseema, Tamil Nadu & Puducherry, Karaikal, South Interior Karnataka, and Kerala & Mahe) as a whole was above normal. For October 2025, rainfall over the south peninsula (northeast monsoon region) was 246.0 mm, the third highest since 2001 and the 16th highest since 1901. This was 143% of its Long Period Average (LPA) value.

Except for Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura as well as the North Interior of Karnataka, all the Sub-divisions received large excess/excess, normal rainfall. Out of 36 meteorological sub-divisions, 18 received large excess, 8 received excess, 6 received normal, and four sub-divisions (Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and North Interior Karnataka) received deficient rainfall

During 1st week of October, Severe Cyclonic Storm "Shakhti" formed over northeast Arabian sea. As this system developed away from Indian mainland, it did not cause any major impact over India. During the week, Deep depression developed over westcentral Bay of Bengal, caused extremely heavy rainfall over Odisha, Jharkhand and Assam & Meghalaya. Moreover, an exceptionally heavy rainfall occurred over Bihar and Sub-Himalayan West Bengal & Sikkim, leading to flash floods in Bihar and landslides in Sub-Himalayan West Bengal & Sikkim.

During the week, two western disturbances (3rd-5th October and 6th-8th October) moved across northwest India in a succession. It caused heavy to very heavy rainfall at isolated places over Rajasthan, Himachal Pradesh and heavy rainfall over Jammu-Kashmir, Haryana, Punjab and Uttar Pradesh. It also caused snowfall in higher reaches of northwest Himalayas and isolated hailstorm activity over Jammu, west Rajasthan and west Uttar Pradesh. Due to this rainfall activity associated with the above synoptic systems, no withdrawal of the Southwest Monsoon during the week.

During 2nd week of October, the southwest monsoon further withdrawn from remaining parts of Gujarat; most parts of Maharashtra, entire Goa, Madhya Pradesh & Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim and northeastern States. It further withdrawn from some parts of Karnataka, some parts of Telangana, most parts of Chhattisgarh and Odisha. During the week, heavy to very heavy rainfall at isolated places was observed over south peninsular India. It was mainly due to formation of short period cyclonic circulations in lower and middle tropospheric levels over the region. An upper air cyclonic circulation in the lower and middle tropospheric levels over Assam & neighbourhood throughout the week which resulted in heavy rainfall at isolated places over parts of northeast India during the week.

During 3rd week of October, in association with an upper air cyclonic circulation over Comorin area & neighbourhood which extended upto mid tropospheric levels, set-in of easterly / north-easterly winds over southern peninsular India, south & adjoining central Bay of Bengal in the lower tropospheric levels; occurrence of fairly widespread rainfall over Tamil Nadu, Puducherry & Karaikal and adjoining areas of south coastal Andhra Pradesh and Kerala; at a few places over Rayalaseema and adjoining areas of south interior Karnataka and isolated heavy to very heavy rainfall over Tamil Nadu.

The withdrawal of the southwest monsoon from the entire country took place on 16th October 2025. Simultaneously, the Northeast Monsoon rainfall activity commenced over Tamil Nadu, Puducherry & Karaikal, coastal Andhra Pradesh, Rayalaseema, south interior Karnataka and Kerala & Mahe.

TABLE 2

Details of the weather systems during October 2025

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
I Cyclonic storm						
1	**Severe Cyclonic Storm "Shakhti"**	1 - 7	northeast Arabian Sea	West-northwest and then South-southwest	northwest & adjoining westcentral Arabian Sea	A **WML** over northeast Arabian Sea and adjoining Saurashtra concentrated into a **D** over northeast Arabian Sea on 1st October and then **DD** on 2nd; into a **CS** "**Shakhti" over** northeast Arabian Sea on 3rd. It further intensified into **SCS** over same region on 4th; weakened into a **Cyclonic Storm** over northwest & adjoining westcentral Arabian Sea at 0000 UTC on 6th; into a **DD** over the same region at 1800 UTC on 6th; into a **D** over northwest & adjoining westcentral Arabian Sea at 0300 UTC of 7th & **WML** over westcentral Arabian Sea at 1200 UTC on 7th. *Details are given in the article on Storms & Depressions over the north Indian Ocean-2025.*
2	**Severe Cyclonic Storm "Montha"**	25 -30 Oct.	southwest & adjoining westcentral Bay of Bengal	Northwest, West-northwest then North-northwest	south Chhattisgarh & nbd	Under the influence of the upper air cyclonic circulation over southeast Bay of Bengal and adjoining south Andaman sea, **LPA** formed over southeast Bay of Bengal at 0000 UTC of 24th Oct and became a **WML** over the same region at 1200 UTC of 24th. It concentrated into a **D** on 25th & into a **DD** over the same region at 0000 UTC of 26th. Move west-northwestwards, it intensified into **a CS "Montha"** over southwest & adjoining southeast Bay of Bengal at 1800 UTC of 26th. It moved north-northwestwards and intensified into a **SCS** over the same region at 0000 UTC of 28th. It crossed Andhra Pradesh and Yanam coast between Machilipatnam and Kalingapatnam to the south of Kakinada close to Narsapur and weakened into a **CS** at 2100 UTC of 28th. It weakened into a **DD** and lay centered over coastal Andhra Pradesh & adjoining Telangana at 0300 UTC of 29th; into a **D** centered over south Chhattisgarh & neighbourhood at 1200 UTC of 29th. It further moved north-northwestwards and weakened into a **WML** over east Vidarbha and adjoining south Chhattisgarh on 30th & into **LPA** over southwest Bihar & adjoining Jharkhand on 31st October.
II Depressions						
1	**Deep Depression**	1-3	Westcentral Bay of Bengal	North-northwest	Interior Odisha	Under the influence of the cyclonic circulation over eastcentral Bay of Bengal & neighbourhood, a **LPA** formed over westcentral Bay of Bengal at 1200 UTC of 30th Sept. It then lay as a **WML** over the same region at 0000 UTC 1st Oct. It concentrated into a **D** over westcentral Bay of Bengal 0600 hrs UTC of 1st and into a **DD** over westcentral and adjoining northwest Bay of Bengal E at 1800 hrs UTC of 1st. It moved north-northwestwards and crossed Odisha coast close to Gopalpur around 1130 UTC as a deep depression & weakened into a **D** over interior Odisha at 0000 UTC of 3rd. It then moved nearly northwards and weakened into a **WML** over north Chhattisgarh and adjoining areas of north interior Odisha & Jharkhand at 1200 UTC 3rd and into **LPA** over north Bihar & neighbourhood at 0000 UTC of 5th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
2	**Depression**	22 Oct – 1 Nov	southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts	North-northwest, Southwest, Southward eastward North-northeast	northeast Arabian Sea and neighbourhood	Under the influence of the upper air cyclonic circulation over southeast Arabian Sea & adjoining Lakshadweep area, a LPA formed over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts at 0000 UTC of 18th and became WML at 0300 UTC of 18th. It concentrated into a D and lay centered over the same region on 22nd & weakened into a WML over eastcentral & Adjoining northeast Arabian Sea on 1st Nov and further weaken into a LPA over northeast & adjoining eastcentral Arabian Sea on 2nd.
III Western Disturbances /Eastward moving Systems						
(a) As a trough						
1	At 5.8 km above m s l.	3-5	Roughly along 67° E to north of 32° N.	Northeast	Jammu & neighbourhood	It lay as a cyclonic circulation over Jammu & neighbourhood on 5th & moved away northeastwards on 5th evening.
2	At 5.8 km above m s.l.	20-23	Roughly along 65° E to north of 28° N.	East	roughly along Long.78° E to the north of Lat.30° N	Moved away eastwards on 24th.
3	At 5.8 km above m s l.	26-29	Roughly along 61° E to north of 28° N.	Northeast	Roughly along 75 °E to north of32°N.	Moved away northeastwards on 30th October.
(b) Western Disturbances as a cyclonic circulation						
1	Between 3.1 & 5.8 km above m.s.l. with a trough aloft in upper tropospheric westerlies with its axis at 7.6 km above m.s.l.	5th night - 9	north Afghanistan & neighbourhood trran roughly along Long. 67° E to the north Lat.27° N	Northeast-wards	northwest Uttar Pradesh & neighbourhood	It lay as an induced low pressure area over north Rajasthan & adjoining Haryana on 7th and over east Haryana & neighbourhood on 8th and moved away northeastwards on 9th October evening.
2	At 3.1 km above m.s.l	10-11	roughly along Long.75° E to the north of Lat.30° N	East	roughly along Long.81° E to the north of Lat.30° N	Became less marked on 12th.
(C) Induced cyclonic circulation						
Nil						
VI Other upper air cyclonic circulations						
1	At 0.9 km above m s l.	1	south Bangladesh & neighbourhood	Stationary	Insitu	Became less marked on 2.
2	Upto 1.5 km above m.s.l.	1	central Assam	Stationary	Insitu	Became less marked on 2.
3	At 1.5 km above m.s.l.	1	northeast Rajasthan	Stationary	Insitu	Became less marked on 2.
4	At 3.1 km above m.s.l.	1-2	northeast Assam	Quasi-stationary	Arunachal Pradesh & neighbourhood	Became less marked on 3.
5	Between 1.5 & 3.1 km above m.s.l.	2	central Uttar Pradesh & neighbourhood	Stationary	Insitu	Became less marked on 3rd.
6	At 0.9 km above m. s. l.	2-3	northwest Rajasthan & neighbourhood	Stationary	Insitu	Became less marked on 4th.
7	At 0.9 km above m.s.l.	4	northeast Assam	Stationary	Insitu	Became less marked on 5th.
8	At 3.1 km above m.s.l.	4-5	southwest Bay of Bengal off Tamil Nadu coast	Quasi-stationary	southwest BoB off south Tamil Nadu coast	Became less marked on 6th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
9	Upto 1.5 km above m.s.l.	6	east Uttar Pradesh & neighbourhood	Stationary	Insitu	Became less marked on 7th.
10	Upto 1.5 km above m.s.l.	6-7th morning	central Pakistan & adjoining west Rajasthan	East	northwest Rajasthan & adjoining south Punjab	Merged with the cyclonic circulation associated with the induced low pressure area over north Rajasthan & adjoining Haryana on 7th.
11	Upto 1.5 km above m.s.l.	6-10	northeast Assam & neighbourhood	Southwest	south Assam & neighbourhood	Became less marked on 11th.
12	At 3.1 km above m.s.l.	7	southwest Bay of Bengal off Tamil Nadu coast	Stationary	Insitu	Became less marked on 8th.
13	At 1.5 km above m s l.	7-11	south Bangladesh & neighbourhood	quasi stationary	south Bangladesh & adjoining north Bay of Bengal	Became less marked on 12th.
14	At 1.5 km above m s.l.	8-9	Comorin area & neighbourhood	Stationary	Insitu	Became less marked on 10th.
15	At 0.9 km above m.s.l.	9	southeast Arabian Sea and adjoining north Kerala	Stationary	Insitu	Became less marked on 10th.
16	Upto 5.8 km above m.s.l.	9th morning -11	south Bangladesh & neighbourhood	quasi stationary	south Bangladesh & adjoining north Bay of Bengal	Became less marked on 12th.
17	Upto 4.5 km above m.s.l.	10	north coastal Tamil Nadu & neighbourhood	Stationary		Became less marked on 11th.
18	At 0.9 km above m.s.l.	10-11	north coastal Andhra Pradesh & neighbourhood	South	southwest Bay of Bengal off north Tamil Nadu coast	Merged with the cyclonic circulation over southwest Bay of Bengal and adjoining south Tamil Nadu coast on 12th.
19	Between 4.5 & 5.8 km above m.s.l.	11th morning -11	southeast Arabian Sea and adjoining south Kerala coast	Insitu	southeast Arabian Sea & adjoining north Kerala coast	Became less marked on 12th.
20	At 1.5 km above m s l.	11-12	central Assam & neighbourhood with a trough aloft in middle tropospheric westerlies with its axis at 3.1 km above m.s.l. ran roughly along Long.92°E to the north of Lat.24°N	Northeast	northeast Assam & neighbourhood	Became less marked on 13th.
21	Between 3.1 km & 4.5 km above m.s.l.	12-13	northwest Uttar Pradesh & neighbourhood	Southeast	central Uttar Pradesh	Became less marked on 14th.
22	Upto 5.8 km above m.s.l.	12-13	southwest Bay of Bengal & adjoining south Tamil Nadu coast	Stationary	Insitu	Became less marked on 14th.
23	At 0.9 km above m.s.l.	13	coastal Andhra Pradesh & neighbourhood	Stationary	Insitu	Became less marked on 14th.
24	At 3.1 km above m.s.l.	13	south Assam	Stationary	Insitu	Became less marked on 14th.
25	Between 3.1 & 4.5 km above m.s.l.	14-17	north Gangetic West Bengal & neighbourhood	West	south Bihar & neighbourhood lay over north Jharkhand & neighbourhood	Became less marked on 18th.
26	Upto 3.1 km above m.s.l.	14-16	southwest Bay of Bengal & adjoining Indian Equatorial Ocean	Quasi stationary	south coastal Tamil Nadu & adjoining Comorin Area lay over Comorin area & neighbourhood	Merged with the trough which ran from the upper air cyclonic circulation over southeast Arabian Sea & adjoining Lakshadweep area to southwest Bay of Bengal on 17th.
27	At 1.5 km above m.s.l.	14-15	south Bangladesh & neighbourhood	Stationary	Insitu	Became less marked on 16th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
28	Upto 1.5 km above m.s.l.	18 morning - 20	Southwest Bay of Bengal & adjoining Comorin area	West	southeast Arabian Sea off Kerala coast	Became less marked on 21st.
29	At 3.1 km above m.s.l.	19-22	east Rajasthan & adjoining west Madhya Pradesh	Variable	northeast Rajasthan & neighbourhood	Became less marked on 23rd.
30	At 3.1 km above m.s.l.	22	northwest Uttar Pradesh & adjoining Haryana	Stationary	Insitu	Became less marked on 23rd evening.
31	Between 3.1 & 4.5 km above m.s.l.	28-30	northeast Rajasthan & neighbourhood	East	south Haryana & adjoining Rajasthan	Became less marked on 31st October.
32	Between 1.5 & 3.1 km above m.s.l.	27	north Haryana & neighbourhood	Stationary	Insitu	Became less marked on 28th.
V Other troughs / Wind Discontinuity						
1	At 3.1 km above m.s.l.	1	ran from the cyclonic circulation associated with well marked low pressure area over northeast Arabian Sea & adjoining Saurashtra coast to southwest Uttar Pradesh across east Rajasthan	Stationary	Insitu	Became less marked on 2.
2	Between 1.5 & 3.1 km above m.s.l.	3-3rd evening	ran from the Depression over interior Odisha to northwest Madhya Pradesh across Chhattisgarh	Quasi-stationary	ran from the well-marked low pressure area over north Chhattisgarh and adjoining areas of north interior Odisha & Jharkhand to northwest Madhya Pradesh	Became less marked on 4th morning.
3	Between 1.5 & 5.8 km above m.s.l.	4th morning -5	northeast Bihar to north Vidarbha across the cyclonic circulation associated with well marked low pressure area over west Jharkhand and adjoining areas of south Bihar, southeast Uttar Pradesh and north Chhattisgarh	East	north Bihar & neighbourhood to north Odisha across Jharkhand	Became less marked on 6th.
4	At 1.5 km above m.s.l.	4	ran from the south interior Karnataka to Comorin area across interior Tamil Nadu	Stationary	Insitu	Became less marked on 5th.
5	At 0.9 km above m.s.l.	5	coastal Andhra Pradesh to Comorin area across Rayalaseema and Tamil Nadu	Stationary	Insitu	Became less marked on 6th.
6	At 1.5 km above m.s.l.	7	ran from north coastal Odisha to east Telangana across interior Odisha, south Chhattisgarh	Stationary	Insitu	Became less marked on 8th.
7	At 3.1 km above m.s.l.	7	ran from the cyclonic circulation over southwest Bay of Bengal off Tamil Nadu coast to coastal Karnataka across Tamil Nadu, Rayalaseema and south interior Karnataka	Stationary	Insitu	Became less marked on 8th.
8	At 0.9 km above m.s.l.	8-9	trough ran from south Chhattisgarh to Gulf of Mannar across Telangana, Rayalaseema, interior Tamil Nadu	east	ran from south Odisha to Comorin area across coastal Andhra Pradesh, Rayalaseema and Tamil Nadu	Became less marked on 10th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
9	Upto 1.5 km above m. s. l.	17-20	ran from the upper air cyclonic circulation over southeast Arabian Sea & adjoining Lakshadweep area to southwest Bay of Bengal across Comorin area & Sri Lanka	Quasi-stationary	ran from the cyclonic circulation associated with well marked low pressure area over southeast Arabian Sea to south Andaman Sea across the cyclonic circulation over southeast Arabian Sea off Kerala coast	Became less marked on 21st.
10	At 1.5 km above m.s.l.	20	ran from upper air cyclonic circulation over northwest Rajasthan & neighbourhood to central parts of Madhya Pradesh across east Rajasthan	Stationary	Insitu	Became less marked on 21st.
11	Between 1.5 & 3.1 km above m.s.l.	26-28	ran from the upper air cyclonic circulation associated with the Depression over east central Arabian Sea to west Madhya Pradesh across northeast Arabian Sea and south Gujarat Region	Quasi-stationary	ran from the upper air cyclonic circulation associated with Depression over eastcentral Arabian Sea to northeast Rajasthan across northeast Arabian Sea and central Gujarat Region	Became less marked on 29th .

TABLE 3

Details of the weather systems during November 2025

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
I Cyclonic storm						
1	**Cyclonic Storm "SENYAR"**	25-27 November	Strait of Malacca	west-northwest, south – southeast southeast, east-southeast	Strait of Malacca	Under the influence of **upper air cyclonic circulation** over central parts of Strait of Malacca, a **LPA** formed over Strait of Malacca and adjoining South Andaman Sea 22nd Nov. It lay as a **WML** 23rd and 24th. It intensified into a **D** over Strait of Malacca on 25th and into a **DD** over the same region at 1800 hrs. UTC of 25th. It intensified into a **CS** "**Senyar"** over Strait of Malacca and adjoining northeast Indonesia at 0000 hrs. UTC of 26th. It crossed Indonesia coast near 4.9°N between 0200-0300 hrs. UTC of 26th. It weakened into **DD** over the Strait of Malacca, at 0000 hrs. UTC of 27th and into a **D** over the same region at 0600 hrs. UTC of 27th. It weakened into a **WML** over the Strait of Malacca at 1800 hrs. UTC of 27th. *Details are given in the article on Storms & Depressions over the north Indian Ocean-2025.*
	Cyclonic Storm 'DITWAH'	26 November- 3 December	Bay of Bengal	north – northwest, southwest, south-southwest	southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, north Tamil	Under the influence of upper air cyclonic circulation over Comorin area and neighbourhood, **a LPA** formed over Comorin and adjoining areas of southwest Bay of Bengal & Sri Lanka on 25th. It lay as a WML over southwest Bay of Bengal and adjoining areas of southeast Sri Lanka & Equatorial Indian Ocean at 0000 hrs. UTC of 26th. It intensified into a **D** over southwest Bay of Bengal and adjoining Sri Lanka coast at 1800 hrs UTC of 26th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
					Nadu, Puducherry & south Andhra Pradesh coasts,	It moved north – northwestwards and further intensified into a **DD** over the same region at 0000 hrs UTC of 27th; into the **CS 'Ditwah'** over the same region on 27th. It moved northwards, weakened into a **DD** on 30th. It recurved slowly southwestwards & weakened into a **D** over the southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, north Tamil Nadu, Puducherry & south Andhra Pradesh coasts, on 2nd and weakened into a **WML** over north Tamil Nadu - Puducherry coasts and neighbourhood. It lay as **LPA** over the same region on 3rd.
II Well marked Low Pressure area/Low Pressure area						
1	Well marked low pressure area	2 – 5	eastcentral Bay of Bengal & adjoining Myanmar	In-situ	northeast Bay of Bengal & adjoining Bangladesh coast	Became less marked on 5th evening.
2	Low pressure area formed over	15-24	southwest Bay of Bengal off Sri Lanka coast	west	southeast Arabian	Became less marked on 25th.
III Western Disturbances /Eastward moving Systems						
(a) As a trough						
(b) As a cyclonic circulation						
2	At 5.8 km above m.s.l.	13-14	Jammu & Kashmir and neighbourhood	Quasi-stationary	Ladakh & neighbourhood	Became less marked on 14th.
3	Between 3.1 & 5.8 km above m.s.l.	26-30 Nov.	south Afghanistan	East	north Haryana & neighbourhood	Merged with the western disturbance over north Pakistan & neighbourhood on 1st December.
(c) Induced cyclonic circulations						
1	Upto 1.5 km above m.s.l.	27-28	southwest Rajasthan	Stationary	Insitu	Became less marked on 29th.
IV Other upper air cyclonic circulations						
1	At 1.5 km above m.s.l.	2-3	northeast Assam & neighbourhood	Stationary	Insitu	Became less marked on 4th.
2	At 0.9 km above m.s.l.	2	Vidarbha and adjoining Marathwada	Stationary	Insitu	Became less marked on 3rd November.
3	At 0.9 km above m.s.l.	4	westcentral Bay of Bengal off coastal Andhra Pradesh	Stationary	Insitu	Became less marked on 5th.
4	Upto 1.5 km above m.s.l.	4th morning-5	south Haryana & neighbourhood	north	north Haryana & neighbourhood	Became less marked on 5th.
5	Upto 1.5 km above m.s.l. on	6	Bangladesh and adjoining Tripura & south Assam	Stationary	Insitu	Became less marked on 7th.
6	At 1.5 km above m.s.l.	7	north Haryana & neighbourhood	Stationary	Insitu	Became less marked on 8th.
7	At 3.1 km above m.s.l.	7	south interior Karnataka & neighbourhood	Stationary	Insitu	Became less marked on 8th.
8	At 1.5 km above m.s.l.	7 - 12th morning	Assam & neighbourhood	variable	Mizoram & neighbourhood	Became less marked on 12th.
10	At 3.1 km above m.s.l.	9	north Tamil Nadu & neighbourhood	Quasi - stationary	north interior Tamil Nadu & neighbourhood	Became less marked on 11th.
11	At 1.5 km above m.s.l.	11	central Pakistan & neighbourhood	Stationary	Insitu	Became less marked on 12th.
12	Upto 1.5 km above m.s.l.	11	southeast Arabian Sea off south Kerala coast	Stationary	Insitu	Became less marked on 12th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
13	At 3.1 km above m.s.l.	12	north Haryana and neighbourhood	Stationary	Insitu	Became less marked on 13th.
14	At 1.5 km above m.s.l.	12	northeast Assam & neighbourhood	Stationary	Insitu	Became less marked on 13th.
15	At 1.5 km above m.s.l.	13-15	southeast Bangladesh & neighbourhood	Quasi - stationary	south Bangladesh & neighbourhood	Became less marked on 16th.
16	Between 3.1 & 4.5 km above m.s.l.	14th morning	Comorin Area	East	-	Merged with the cyclonic circulation over south Sri Lanka and adjoining southwest Bay of Bengal on 14th.
17	At 0.9 km above m.s.l.	15-16	southeast Arabian sea off south Kerala coast	Stationary	Insitu	Became less marked on 17th.
18	At 3.1 km above m.s.l.	17-18th morning	Kashmir & neighbourhood	Stationary	Insitu	Became less marked on 18th.
19	Upto 3.1 km above m.s.l.	19	southwest Bay of Bengal & neighbourhood	Stationary	Insitu	Became less marked on 20th November.
21	At 1.5 km above m.s.l.	23-24th morning	northeast Arunachal Pradesh & neighbourhood	Southwest	northeast Assam & neighbourhood	became less marked on 24th.
22	At 1.5 km above m.s.l.	26	Tripura & neighbourhood	Stationary	Insitu	Became less marked on 27th November.
23	At 3.1 km above m.s.l.	29	east Assam & neighbourhood	Stationary	Insitu	Became less marked on 30th November.
IV. Troughs						
1	at 5.8 km above m.s.l.	5-6	southwest Bay of Bengal to north Kerala across interior Tamil Nadu	North	ran from central Bay of Bengal to east central Arabian Sea across Tamil Nadu, Karnataka	Became less marked on 7th.
2	At 0.9 km above m.s.l.	8	ran from southwest Bay of Bengal to Kerala across Sri Lanka and Tamil Nadu	Stationary	Insitu	Became less marked on 9th.

TABLE 4

Details of the weather systems during December 2025

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
I Cyclonic Storm						
-						
II Well marked Low Pressure area/Low Pressure area						
-						
III Western Disturbances /Eastward moving Systems						
(a) As a trough						
1	At 5.8 km above m. s. l.	4-5	ran roughly along Long.54°E to the north of Lat.32°N	East-northeast	ran roughly along Long.60°E to the north of Lat.36°N	It moved away east-northeastwards on 6th.
2	At 5.8 km above m. s. l.	6-10	ran roughly along Long.55°E to the north of Lat.25°N	East-northeast	north Pakistan	WD lay as an upper air cyclonic circulation over with a trough aloft on 8th. It became less marked on 9th. However, the trough aloft roughly along Long.89°E to the north of Lat.23 °N moved away east-northeastwards on 11th December.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
3	At 5.8 km above m. s. l.	12	ran roughly along Long.53°E to the north of Lat.32°N	East-northeast	north Pakistan and adjoining Jammu	It lay as an upper air cyclonic circulation between 13th and 15th and with a trough aloft in middle tropospheric westerlies with its axis at 5.8 km above m.s.l. ran roughly along Long.72°E to the north of Lat.32°N on 16th. It became less marked and trough aloft moved away east-northeastwards on 17th.
4	At 5.8 km above m. s. l.	13-15	roughly along Long.52°E to the north of Lat.31°N	East	roughly along Long.65°E to the north of Lat.32°N	Merged with the western disturbance as a trough aloft in middle tropospheric westerlies with its axis at 5.8 km above m.s.l. ran roughly along Long.72°E to the north of Lat.32°N on 16th.
5	At 5.8 km above m.s.l.	26-27	ran roughly along Long.64°E to the north of Lat.32°N	East-northeast	ran roughly along Long.68°E to the north of Lat.32°N	Moved away east-northeastwards on 28th.
6	At 5.8 km above m.s.l.	28	ran roughly along Long.60°E to the north of Lat.30°N	Stationary	Insitu	Moved away east-northeastwards on 29th.
7	At 5.8 km above m.s.l.	29 Dec. 2025- 2 Jan 2026	ran roughly along Long.52°E to the north of Lat.30°N	East	northwest Uttar Pradesh & neighbourhood	It lay as an upper air cyclonic circulation over north Pakistan & adjoining Afghanistan with a trough aloft in middle tropospheric level with its axis at 5.8 km above m.s.l. ran roughly along Long.60°E to the north of Lat.28°N on 31st Dec. 2025 and became less marked on 3rd Jan 2026.
(b) As a cyclonic circulation						
1	At 3.1 km above m. s. l.	17-24	Iran & neighbourhood	East-northeastwards	ran roughly along Long.74°E to the north of Lat.32°N	It lay as a trough from 21st to 24th morning and moved away east-northeastwards on 24th.
2	At 3.1 km above m. s. l.	18th morning-19	Jammu & neighbourhood	Stationary	Insitu	Moved away east-northeastwards on 20th December.
(c) Induced cyclonic circulations						
1	Upto 1.5 km above m.s.l.	1-5 Dec.	north Haryana & neighbourhood	East	northwest Uttar Pradesh & neighbourhood	became less marked on 6th.
2	Upto 1.5 km above m.s.l.	31st Dec.2025-1 Jan. 2026	north Haryana & neighbourhood	Insitu	Haryana & neighbourhood	Became less marked on 2nd Jan 2026.
IV Other upper air cyclonic circulations						
1	At 1.5 km above m.s.l.	1	northeast Assam & neighbourhood	Stationary	Insitu	Became less marked on 2nd.
2	At 0.9 km above m.s.l.	3-4	southeast Arabian Sea off north Kerala	Insitu	southeast Arabian Sea & adjoining Lakshadweep	Became less marked on 5th.
3	Upto 1.5 km above m.s.l.	3-11	Tripura and neighbourhood	East	south Bangladesh & neighbourhood	Became less marked thereafter on 12th.
4	Upto 0.9 km above m.s.l.	6	south Kerala coast & neighbourhood	Stationary	Insitu	Became less marked on 7th
5	At 1.5 km above m.s.l.	9	central Pakistan & adjoining Panjab	Stationary	Insitu	Became less marked on 9th evening.
6	At 5.8 km above m.s.l.	11	southwest Bay of Bengal & adjoining areas of east Equatorial Indian Ocean off south Sri Lanka coast	Stationary	Insitu	Became less marked on 12th.
7	At 0.9 km above m.s.l.	14	southeast Arabian Sea & adjoining Lakshadweep	Stationary	Insitu	Became less marked on 15th.
8	At 3.1 km above m.s.l.	15	south Tamil Nadu and neighbourhood	Stationary	Insitu	Became less marked on 16th.
9	At 0.9 km above m.s.l.	16th morning - 16	west Assam and neighbourhood	South	south Assam and neighbourhood	Became less marked on 17th.

Sr. No	System	Duration	Place of initial location	Direction of Movement	Place of final location	Remarks
10	At 1.5 km above m.s.l.	18-20	south Kerala and neighbourhood	Oscillatory	Gulf of Mannar & neighbourhood	Became less marked on 21st.
11	At 1.5 km above m.s.l.	21-22	Equatorial Indian Ocean & adjoining southwest Bay of Bengal	West	over Comorin area and neighbourhood	Became less marked on 23rd.
12	At 1.5 km above m.s.l.	23-25	south Tamil Nadu and neighbourhood	West	southeast Arabian Sea & adjoining south Kerala coasts	Became less marked on 26th.
13	At 1.5 km above m.s.l.	25-26th morning	southwest Bay of Bengal & adjoining north Tamil Nadu coast	Insitu	south Tamil Nadu & neighbourhood	Became less marked on 26th.
14	At 1.5 km above m.s.l.	28	northeast Assam & neighbourhood	Stationary	Insitu	Became less marked on 29th.
15	At 3.1 km above m.s.l.	28th morning-28	Gulf of Mannar & adjoining Comorin area	West	Comorin area and adjoining southeast Arabian Sea	Became less marked on 29th.
16	At 0.9 km above m.s.l	28th morning - 29	Sub-Himalayan West Bengal & Sikkim	East	north Bangladesh	Became less marked on 30th.
17	At 1.5 km above m.s.l.	29	south coastal Andhra Pradesh & neighbourhood	Stationary	Insitu	Became less marked on 30th.
18	Between 1.5 & 4.5 km above m.s.l.	30	north Kerala & neighbourhood	Stationary	Insitu	Became less marked on 31st December.
19	At 1.5 km above m.s.l.	30	Northeast Assam	Stationary	Insitu	Became less marked on 31st December.
20	Upto 3.1 km above m.s.l.	31st Dec.2025 – 2 Jan. 2026	southwest Bay of Bengal off Sri Lanka coasts	Stationary	Insitu	Became less marked on 3rd Jan. 2026.
IV. Troughs						
1	Upto 1.5 km above m.s.l.	3	ran from the cyclonic circulation associated with the well marked low pressure area over north Tamil Nadu-Puducherry coasts & neighbourhood to Lakshadweep area across north interior Tamil Nadu, south interior Karnataka & north Kerala	Stationary	Insitu	Became less marked on 4th.
2	At 0.9 km above m.s.l.	5	ran from southeast Arabian Sea to southwest Bay of Bengal & adjoining Equatorial Indian Ocean across Comorin area	Stationary	Insitu	Became less marked on 6th.
3	Upto 1.5 km above m.s.l.	7-9	ran roughly along Lat.91°E over southeast Bay of Bengal	West	ran roughly along Long.83°E over southwest Bay of Bengal	Became less marked on 10th.
4	At 1.5 km above m.s.l.	28-30	trough in easterlies ran south of Lat.10°N along Long.92°E over the southeast Bay of Bengal	West	ran south of Lat.10°N along Long.85°E over the southeast Bay of Bengal	Became less marked on 31st December.
5	Between 1.5 & 5.8 km above m.s.l.	29	southeast Arabian sea off Kerala coast	Stationary	Insitu	Became less marked on 30th.

TABLE 5

Representative amounts of Rain greater than or 5 cm for Post monsoon season Oct. to Dec. 2025

1 Oct	19 - Mangkolemba; 18 - Bagafa; 14 - Belonia and Belonia ARG; 13 -Kalpi CWC; 12 - Mohanbari AWS, Raiganj PTO and Viratnagar SR; 11 -D/Mohanbari AP, Gandecherra, Sapau SR and Sarmathura SR; 10 -Deomali AWS, Tezpur, Yellapur, Chomu, Sanganer Tehsil SR, ShahpuraSR and Bonli; 9 - Jasrana, Orai, Tuli Nsdma AWS, Mangliawas SR,Morena-aws and Wangtoo; 8 - Tirwa, Amarpur ARG, Teliamura ARG andHazaribagh Dvc; 7 - Kannauj (t) , Miao, Bajali AWS, Silchar,Chouldhuwaghat ARG, Ayanagar AWS, Dhansa, Car Nicobar, Uluberia,Nawa, Rajakhera, Jaipur Tehsil SR, Mandrayal SR, Gohad and Aya Nagar;6 - Chhibramau, Gunnaur, Sonari ARG, Chauldhowaghat, Udaipur,Gokulpur AWS, Sabroom, Sabroom AWS, Hazaribagh Kvk AWS,Bahadurgarh, Geola SR, Dausa, Sambhar SR, Kusmi, Bamori,Chitrakunda K Guma and Car Nicobar IAF; 5 - Karhal, Delhi UniversityObs and Dholpur.
2 Oct	19 - Buxaduar; 16 - Birdghat and Barauni; 14 - Chalouni Tea Estate,Nandadih and Karmatand; 13 - Hazo ARG, Hayaghat, Alauli, Bandra,Bathnaha and Rongo; 12 - Nichlaul and Warisnagar; 11 - Haraiya,Bansgaon, Chhaurahi, Khagadia, Barbigha, Sikatia, Bahanga, Jhallongand Giridih; 10 - Dhanghata, Sabroom, Bakhari, Cheria B.pur 1, Pusa,Narayanpur, Digha and Nowrozabad; 9 - Gorakhpur, Mukhlispur,Bhagwanpur, Shilaichak, Lohardaga Kvk AWS, Indong T.e., Sagar IslandPTO, Budhar, Balasore, Nilgiri, Soro, Chandwa and Sagar Island; 8 -Garhpura, Jainagar, Bind, Rahui, Pandarak, Patori, Sarairanjan,Gobindpur Dvc, Zrs Dumka, Barkisuriya, Gopalpur Tea Estate, ZurranteeT.e, Pali, Bhograi, Nh5 Gobindpur and Krishnaprasad; 7 - BekiMathungari, Sualkuchi ARG, Yellapur, Jaley, Kamtaul, Baitunthpur,Andhratharhi, Madhwapur, Ekangersarai, Hasanpur, Dalsinghsarai,Rosera, Shivjinagar, Vidyapati Nagar, Aryari, Dumri, Sonbarsa,Basantpur, Palganj, Jamtara, Jamtara Fmo, Patkapara Tea Estate,Subhasini Tea Estate, Good Hope Tea Estate, Contai, Basirhat (pt) ,Bhesan, Jabalpur-aws, Raipura, Jajpur, Jajpur PTO, Hatadihi, SoongachiT.e., Topchanchi, Satgaon and Hasimara; 6 - Chandrapur ARG, Barapani,Byrnihat ARG, Kodawanpur/C.b Ii, Nawkothi, Kusheswarstan, Tekari,Kako, Cherwa, Siswan, Kalingapatnam, Jarmindi, Tilaiya Dvc, AryamanTea Estate, Ghughumari, Chel, Hilla T.e., Pakhanjur, Shahpura,Semariya, Karkeli, Umaria-aws, Tihidi, Banki, Binjharpur, Garadapur,Pipili and Pakur; 5 - Bachwara, Bodh Gaya, Jahanabad, Chakai, Ujiarpur,Sheohar, Rajdhanwar, Balikuda and Satyabadi.
3 Oct	35 - Th Rampur; 29 - R.udaigiri; 21 - Gumma and Junagarh; 20 -Komna; 17 - Palasa, Gosani and Nuagada; 16 - Mandasa; 15 - Mahendragarh, Kotagarh and Nawapara; 14 - Narla, Daringibadi andLamataput; 13 - Similiguda; 12 - Kashipur; 11 - Nh5 Gobindpur,Kalampur, Lanjigarh, Madanpur Rampur, Kotpad and Nandahandi; 10 -Baloda Bazar, Amlipadar, Remuna, Gudvela, Paralakhemundi, Raikia,Jeypore, Ambadola, Gunupur, Rayagada, Rayagada PTO and Leesh RiverTea Garden; 9 - Pathapatnam, Tekkali, Garividi, Mainpur, Mandir Hasoud,G Udayagiri, Betanati, Kosagumda, Tentulikhunti, Naharlagun AWS,Jaybirpara Tea Estate and Koraput; 8 - Cherrapunji, Guhagarh, Sevoke,Vanthali, Chotila, Pallari/Palari, Bilha, Kharora, Balasore, Turekela,Patrapur, Jaipatna, Golamunda, Phiringia, Borigumma, Pottangi,Nandapur, Muruda, Papadahandi, Chandrapur, Kolnara, Muniguda, RGuda and Mogulkata Tea Estate; 7 - Cherrapunji (rkm) , Kurupam,Palakonda, Kalingapatnam, Sompeta, Cheepurupalle, Nellimarla, Putki,Narayanpur, Jangipur, Suhela, Gariabund, Bagbahara, Mahasamund,Arang, Bahanga, Jaleswar, Sorada, Koksara, Rasagovindapur, Boden,Khariar, Jhorigam, Nawarangpur, Nawarangpur PTO, Umarkote,Karmatand and Mawsynram; 6 - Khliehriat, Banbasa, Jiyyamma Valasa,Ranastalam, Putki Dvc, Jamtara, Gopalpur Tea Estate, Noweranuddi TeaGarden, Nerharpur, Dhanora, Nilgiri, Rajghat, Bhuban, Kashinagar,Dharmagarh, Kesinga, Baliguda, Nawana, Dabugan, Chandahandi,Astaranga, Nandadih, Majuli, Topchanchi, Bhawanipatna and Mana(raipur-ap) ; 5 - N.lakhimpur/Lilabari, Garugubilli, Therlam, Falakata,Karpawand, Belargaon, Pendra Road, Jharbandh, Banki, Kolasib ARG andPanna.
4 Oct	33 - Maharajganj; 29 - Jagdishpur; 28 - Goriakothi; 25 - Kessariah andKalyanpur; 24 - Piro, Pachrukhi and Raghunathpur; 23 - Charpokhiri,Bihiyan, Shahpur and Ziradei; 22 - Sasaram, Duraundha and Mairwa; 21- Tarari; 20 - Garhani and Nokha; 19 - Varanasi BHU and Bhawnathpur;18 - Arrah and Udwantnagar; 17 - Gaighat (Bla Fmo) , Gopalganj,Hathwa, Thawe, Bhagwanpur Hat and Chapra; 16 - Agiaon, Barauli,Kargahar and Andar; 15 - Rajpur, Bhore, Akorhi Gola, Kochas, Barharia,Basantpur, Hussainganj and Siswan; 14 - Chunar, Harsidhi, Tilouthu,Darauli, Guthani and Siwan Sadar; 13 - Chandauli, Mahedi/Mehshi,Bijaipur, Kataiya, Pachdeuri, Bikramganj, Indrapuri, Hasanpura, LakriNabiganj, Dhurki and Churhat; 12 - Turtipar, Sakaldeeha, Rajghat (VnsCWC) , Bhabhua, Mohania, Itarahi, Nawanagar, Sugauli, Kucchaikot,Jalalpur, Bettiah, Hosur and Jaunpur; 11 - Mirzapur Tehsil, Adhwara, Barahara, Barhampur, Kesath, Areraj, Kotwa, Raxual, Turkaulia,Phulwaria, Uchakagaon, Dinara, Sheosagar, Dindigul, Pindwara,Depalpur, Indore and Singrauli-aws; 10 - Lalganj, Churk, Durgawati,Chakki, Banjaria, Sangrampur, Tariyani, Keelpennathur, Rscl-3Semmedu, Rscl-3 Avalurpettai, Palamaner and Khordha PTO; 9 -Ghazipur CWC, Jaunpur CWC, Mirzapur CWC, Dudhi, Chand, Kudra,Chaugai, Chausha, Chatia, Lalbegiaghat, Baitunthpur, Sanjhauli,Surajpura, Manghi, Ishuapur, Panapur, Dharmapuri PTO, Rscl-2Mundiyampakkam, Bankura (CWC) , Nathdwara, Railmagra SR, Kandiand Dharmapuri; 8 - Mohammedabad (Y) , Ghazipur, Chopan Fmo,Bhagwanpur, Koilwar, Sahebganj, Karakat, Marhaura/Amnaur, Marsrakh,Dumri, Nautan, Kcs Mill-1 Moongilthura, Pulipatti, Arani, Chengam,Udaipur/D-aero, Hatod, Basar, Ghazipur and Ballia; 7 - Uska Bazar Fmo,Dhemaji, Kaler, Rampur, Buxar, Dumraon, Simri, Chenari, Parsa, Taraiya,Purnahia, Bagaha, Chanpatia, Ramnagar, Chinnakalar, Hogenekal,Natham, Dscl Madampoondi, Dscl Thirupalapandal, Kulithalai ARG, Barur,Nedungal, Tirupattur, Polur, Kalasapakkam, Thandarampettai, Melalathur,Basl Manampoondi, Basl Mugaiyur, Rscl-2 Kanjanur, Rscl-2 Nemoor,Aruppukottai Kvk AWS, Kovilankulam, Thottambedu, Bankura, Rajnagar,Khivensar SR, Girva SR, Barsur, Gautampura, Naigarhi, Chitrangi, Sidhi(gopadbanas) , Mada and Azamgarh; 6 - Haidargarh, Robertsganj,Rihand Dam Fmo, Varanasi/Bab AP, Pasighat AP, Cherrapunji (rkm) ,Sandesh, Sahar, Chakia, Patahi, Kurhani, Dawath, Sheohar, Sikta,Jambukuttapatti, Krp Dam, Thaniamangalam, Kalavai PWD, Minnal,Vaniyambadi, Tcs Mill Kethandapatti, Jamunamarathur, Gudiyatham,Virinjipuram AWS, Palasamudram, Venkatagiri Kota, Srikalahasti,Biharpur, Hanumana, Birsingpur, Sarai, Lakhipur and Garhwa; 5 -Nauhatta, Vaishali, Vedasandur, Sankarapuram, Kaveripakkam,Vembakottai, Sullurpeta, Bhopalsagar SR, Kotda SR, Semariya and Swam-patna.
5 Oct	39 - Saraigarh Bhaptiyahi; 37 - Sonbarsa and Kurti T.e.; 36 - Chanpatia;35 - Patahi, Tra Nagrakata and Ghatia T.e.; 34 - Diana Tea Estate; 33 -Hilla T.e. and Jiti T.e.; 32 - Narpatganj and Gandrapara Tea Garden; 31 -Birpur, Banarhat High School, Jhallong and Rongo; 30 - Bhagatpur TeaEstate and Gajoldoba; 29 - Sheohar and Baradighi T.e.; 28 - Bathnaha;27 - Indong T.e.; 26 - Kessariah, Darjeeling, Mekhliganj andNoweranuddi Tea Garden; 25 - Adapur, Bairgania, Rahghopur, Gaunaha,Bettiah and Moraghat Tea Estate; 24 - Chhatapur and Neora; 23 -Harsidhi, Sugauli, Jhanjharpur, Anandpur Tea Estate, Baintgoorie T.e.,Good Hope Tea

	Estate, Gurjongjhora Tea Estate, Saraswatipur TeaEstate, Palashbari Tea Estate, Soongachi T.e., Mogulkata Tea Estate andMawsynram; 22 - Saurbazar, Aibheel Tea Estate, Zurrantee T.e, DamdimTea Estate and Kumargram; 21 - Kishanpur, Pipra, Madhubani,Nagarkata and Forbesganj; 20 - Raxual, Kumarkhand, Nanpur, Sursand,Ramnagar, Gairkata Tea Estate, Kumlai T.e., Lava, Chalouni Tea Estateand Jaybirpara Tea Estate; 19 - Kalyanpur, Udai Kishanganj,Dhengbridge, Runnisaidpur, Bagaha, Lauria Nandangarh, Thakrahan,Cooch Behar, Washabari Tea Estate and Karballa Tea Estate; 18 - Areraj,Baitunthpur, Murliganj, Dumra, Pupari, Pratapganj, Nautan and Ghish;17 - Chatia, Singheshwar, Dumri, Piprahi, Bokhara, Mejorganj, Nirmali,Tribeniganj, Sikta, Batabari T.e., Domohani, Jalpaiguri, MaynaguriCollege, Nh31 Bridge, Amfu Kalimpong and Motihari; 16 - Raniganj,Turkaulia, Gopalganj, Belsand, Charaut, Marauna, Dalgaon Tea Estate,Siliguri PTO, Kailashpur Tea Estate, Dhupguri and Supaul; 15 - Kotwa,Bhore, Kucchaikot, Ghanharia, Ghailadh, Phulparas, Bajpatti,Barobhisha, Gopalpur Tea Estate, Newlands Tea Garden, Sankos TeaEstate, Damthang, Namthang and Bijonbari; 14 - Bahargama,Sangrampur, Basantpur, Kumargram Tea Estate, Mahua Tea Estate ARG,Mathabhanga, Subhasini Tea Estate, Ghughumari, Sevoke, Algarah andSuryasen Mahavidyalaya; 13 - Kursakanta, Ahirwalia, Chakia, Piprakothi,Jainagar, Mushari, Baisa, Bhagwanpur, Elumalai, Washi, Amfu Pundibari,Bagdogra IAF, Champasari, Chel, Majitar, Amfu Majhian, Mawkyrwat,Dima Tea Estate, Pedong and Bhutanghat; 12 - Lalbegiaghat, Thawe,Patarghat, Marsrakh, Tariyani, Bhagwanpur Hat, Krishnagiri, Beech TeaGarden, Dharala Valley Tea Esta, Pakyong, Rongli, Soreng ARG andUdumbannoor AWS; 11 - Madanpur, Mahedi/Mehshi, Bijaipur, Kataiya,Pachdeuri, Uchakagaon, Baltara, Babubarhi, Rajnagar, Rewaghat,Dhengraghat, Kasba, Salakhua, Sattar Kataiya, Dighwara, Purnahia,Namakkal, Falakata, Toorsa Tea Garden, Leesh River Tea Garden andMunsong; 10 - Kamtaul, Banjaria, Phulwaria, Beldaur, Bahadurganj,Kochadhaman, Andhratharhi, Ghoghardiha, Bochaha, Nauhatta, SirmariB.pur, Lakri Nabiganj, Goraul/Doli, Lalganj, Edapadi, Raidak Tea Estate,Ravangla ARG and Hasimara; 9 - Pasighat AP, Jaley, Dhaka, Barauli,Kishanganj, Thakurganj, Bihariganj, Benipatti, Madhwapur, Muzaffarpur,Maheshi, Banma Itahri, Ishuapur, Parsa, Goriakothi, Santhipuram,Buxaduar, Chepan, Gangtok, Dentam, Gyalsing PTO, Mangan, Khanitarand Tadang; 8 - Sikti, Bhagalpur, Hathwa, Pothia, Tedhagach, Alalnagar,Chausa, Gualpara, Kurhani, Motipur, Sahebganj, Maner, Baisi, Kahara,Manghi, Maharajganj, Majherdabri Tea Garden, Bari-sadri and Abu RoadSR; 7 - Cherrapunji (rkm) , Manthala, Araria, Hayaghat, Chautham,Dighalbank, Taibpur, Puraini, Danapur, Amaur, Banmankhi, Bhawanipur,Jalalgarh, Purnea, Rupouli, Siswan, Kosgi, Sankaridurg, Venkatagiri, Singimari, Sankalan, Alipore, Mancompu and Piravam; 6 - Itanagar, Gossaigaon AWS, Chauldhowaghat, Jokihat, Ghanshyampur, Madhipura, Madhepur, Pandaul, Minapur, Bihta, Dagarua, Marhaura/Amnaur, Darauli, Guthani, Mairwa, Basua, Chehara Kala, Kondapur, Karuppanadhi Dam, Kodur, Aryaman Tea Estate, Balurghat, Vaikom, Gaurihar, Lachung andGossaigaon; 5 - Chouldhuwaghat ARG, Barahar Kothi, Tnau Cri Yethapur, Shipgyar and Bhatkawa Tea Estate.
6 Oct	15 - Williamnagar; 14 - Needamangalam; 12 - Parbhani andYelamanchili; 11 - Kandhar, Aryaman Tea Estate, Sankos Tea Estate andNavibagh Aet; 10 - Williamnagar AWS, Pedda Adiserlapalle, KumargramTea Estate, Bhainsroadgarh SR and Noamundi; 9 - Kamareddy, Regode,Srimushnam, Loha, Badvel, Kondapuram, Ramganjmandi SR, Chachoda,Raisen-aws and Dhubri CWC; 8 - Nizam Sagar, Lalpet, Vaniyambadi,Mukhed, Umari, Alipurduar PTO, Raidak Tea Estate, Ghughumari, Digha,Harinkhola, Sagar Island PTO, Puri and Sagar Island; 7 - Dhubri IMD,Bhaghmara, Bhalki, Shahpur, Rayalpadu, Sonbarsa, Kothagudem,Velagatoor, Jukkal, Pitlam, Yellareddy, Alladurg, Devarakonda,Dilawarpur, Narayankhed, Pullambadi, Korchi, Palam, Macherla,Chimakurthi, Rudravaram, Green Field Ps, Barobhisha, Patkapara TeaEstate, Cooch Behar, Rawatsar SR, Sangod, Timarni, Gosani andRajkanika; 6 - Dudhnoi ARG, Goalpara CWC, Gossaigaon AWS,Lakhimpur ARG, Ampati, Bihariganj, Aswaraopeta, Domakonda,Dharmaram, Elagaid, Khila Ghanpur, K.m.koil, Alangudi, Panapakkam,Naigaon Khairgaon, Gangakhed, Ongole, Newlands Tea Garden, Nainwa,Pharasgaon, Narayanpur, Bairagarh Airport, Badi, Birsa, Chandbali,Bhatkawa Tea Estate, Ghatsila and Gossaigaon; 5 - SaraigarhBhaptiyahi, Mudhole, Chinnakalar, Aravakurichi, Ammoor (walajahRailway, Wallajah, Purna, Karamchedu, Amadagur and Sarara.
7 Oct	14 - Hatadihi; 12 - Sambhal; 11 - Gobindpur Dvc and Srimadhopur; 10 -Mudhole, Ghasipura, Udhampur and Batote; 9 - Sriperumbudur, Guntur,Shahpura SR, Gumma and Bhaderwah ARG; 8 - Nidamanur, Dilawarpur,Khanapur, Kumbakonam, Jangamaheswarapuram, Srisailam, Kheri,Nawa, Geola SR, Sambhar SR, Viratnagar SR, Kujanga, Anantnag,Banihal and Badarwah; 7 - Belampalle, Ranjal, Thalaignayer, Ballarpur,Macherla, Sattenapalle, Mohna, Kolayat Magra, Sujangarh, Ladnoo, JayalSR, Chothkabarwara SR, Seoni, Paradeep Cwr, Tikabali, Anandpur, QaziGund, Govindpura AWS, Gobindpur and Kukernagh; 6 - Hapur,Moradabad CWC, Muzaffarnagar (t) , Sadasivpet, Mattampally,Valangaiman, Hardwar, Kukumsheri AWS, Jatton Barrage, Pachhad,Indong T.e., Chhachhrauli, Thanagazi, Bari, Sapau SR, Phagi, SanganerTehsil SR, Hindaun, Agalpur, Chakapad, Khandapara, Dunguripalli and Khudwani ARG; 5 - Metpalle, Sirpur (t) , Bobbili, Kothi, Morni, Sarwar,Alwar Obs, Jaipur Tehsil SR, Sikar, Sikar Tehsil SR, Dhabhara,Dhankauda and Vedaranniyam.
8 Oct	13 - Naina Davi; 12 - Solan; 10 - Aul; 9 - Banda; 8 - Barthin, Pachhad, Kotla and Champua; 7 - Choutuppal (ARG), Cheepurupalle, Kasauli, Bharatgarh, Ganguwal, Ghanauli, Lohand, Aligarh and Bilaspur Sadar; 6- Ramannapeta, Anakapalle AP, Ghumarwin, Kahu, R L Bbmb, Rajgarh, Mahuva (b), Narsinghpur, Gosani, Binjharpur and Dharampur; 5 -Jaunpur CWC.
9 Oct	13 - Kil Kotagiri Estate; 12 - Nayakanahatty and Gorantla; 10 - A DNagar AWS; 9 - Kunderipallam and Bathalapalle; 8 - Agartala AP, MetAgartala AWS, Thondebhavi, Chitradurga, Bharamsagara, Davanagere,Mulakalapalle and Beech Tea Garden; 7 - Udaipur, Dm Office ARG,Udumalpet, Anantpur, Pullampeta, Chengmari/Diana and Diana TeaEstate; 6 - Bhoothpur, Mahbubnagar, Pedda Adiserlapalle, Walajabad,Macherla, Nallamada, Kayamkulam ARG, Chandrapur, Bargaon andKalasa; 5 - Aizawl, Bhuvanagiri and Bissem-cuttack.
10 Oct	12 - Arcot and Palar Anicut; 11 - Maddur, Kcs Mill-1 Kadavanur andChengam; 9 - Srimushnam, Panapakkam, Ranipet AWS, Arani,Thandarampettai, Nagari and Kuppam; 8 - Kunderipallam,Anaippalayam, K.paramathi, Wallajah, Rscl-3 Semmedu, Chittoor andChintamani; 7 - Channagiri, Sira, Tiptur, Nawabpetmbn, Marandahalli,Gobichettipalayam, Kcs Mill-1 Moongilthura, Kodanad, Arakonam,Minnal, Ranipet, Kannadaian Anicut, Kundadam, Tiruppur AWS,Gummidipoondi, Pallipattu, Vellore, Ponnai Dam, Yerragondapalem,Udayagiri, Mentada, Palakoderu, Pulivendla, Holalkere and Hunsur; 6 -Gersoppa, Krishnarajpet, Salem, Tiruppur North, Chetpet,Jamunamarathur, Gudiyatham, Rscl-3 Valathy, Bondapalle,Bheemavaram, Palasamudram, Sengulam Dam AWS, Bhilai, Kotpad,Nanjanagud and C R Patna; 5 - Kanchanpur, Yagati, Krishnarajasagara,Bhavani, Dscl Thiyagadurgam, Kelavarapalli Dam, R.k.pet andGajapathinagaram.
11 Oct	18 - Marandahalli; 9 - Kolasib AWS, Servalar Dam, Venkurinji AWS,Antagarh and Kolar G.f.; 8 - Madhira, Thambalapalle and Peechi AWS; 7- Bagafa, Bengaluru City, Hogenekal, Kelavarapalli Dam, Taluk OfficePandalur, Manimutharu, Pullambadi,

	Atchampet, Alipore, PeringomeAWS, Karipur Ap., Enamakkal, Mainpur and Bijuri; 6 - Gharmura,Bhadrachalam, Devala, Thenparanadu, Gondia AP, Panjim ,Arogyavaram, Madanapalle, Durgachack, Lohandiguda, Rajnandgaon, KNuagaon, Astaranga and Gondia; 5 - Sattenapalle and Nambulipulikunta
12 Oct	20 - A P Ghat; 11 - Lakhipur; 10 - Dhemaji; 9 - Chottabekra andAvinasi; 8 - Anaippalayam and Mettur Dam; 7 - Ariyalur, Kurinjipadi, Panruti, Rasipuram, Alangudi, Annavasal, Tirumayam, Thiruchuzhi andDeogaon; 6 - Tuting, Silchar, Napoklu, Chennimalai, Illuppur, Kovilpatty, Tellichery, Golamunda and Mudubidre; 5 - Dindigul.
13 Oct	13 - Manuguru, Atmakur M and Kalingapatnam; 11 - Aswapuram,Gundala, Mahabubabad and Kanjirappally; 10 - Burgampadu; 9 - Kothaguda, Gudurwrgl, Venkatapuram, Nallabelly, Kaikalur, PadannakkadAWS and Ranni AWS; 8 - Ayinkudi, Palar Anicut, Tenkasi AWS, Ammundiand Purushottampur; 7 - Puttur HMS, Bayyaram, Tadwai Mlg,Chennaraopet, Wallajah, Thenkasi, Nanguneri, Virinjipuram AWS,Sompeta, Thodupuzha and Punalur; 6 - Bhadrachalam, Dummugudem,Pinapaka, Nidamanur, Parvathagiri, Ramannapeta, Collectorate,Cuddalore, Arcot, Aranmanaipudur, Ponnani, Gopalpur, Padia, Diphu,Vellore and Cochi IAF.
14 Oct	9 - Koyyalagudem and Yanam; 7 - Regonda, Kallakurichi, Kallakurichi ARG and Thalaivasal; 6 - Aswaraopeta, Mogullapalle, Kodaikannal Boat Club, Varattupallam, Elumalai, Thekkadi, Vilupuram, Bapatla, Bade Bacheli and Konta; 5 - Anini AWS, Modakkurichi, Gomugi Dam PWD, Manimutharu Dam PWD, Kozhiporvilai, Mimisal, Theerthandathanam, Rscl-3 Avalurpettai, Rajapalayam, Watrap, Repalle, Kaikalur and Banpur.
15 Oct	18 - Kanjirappally; 10 - Neryamangalam ARG; 9 - Kodanad; 7 -Sembanarkoil PWD and Kunnathanam AWS; 6 - Perambur, Vanamadevi, Modakkurichi, Alakarai Estate, Kothagiri, Vaippar and Peringome AWS; 5- Devarakonda, Mahabalipuram, Mayiladuthurai AWS, Coonoor, ChamrajEstate, Emeralad, K Bridge, Uthagamandalam, Nagudi, Karaikudi, Orthanad, Bodinaickanur, Thiruthuraipoondi, Mancompu, Kottayam, Karipur Ap., Kutaru and Madikkai AWS.
16 Oct	15 - Kayalpattinam and Tiruchendur; 13 - Thiruchendur AWS; 9 - Arcot, Tuticorin Rly ARG and Tuticorin; 8 - Satankulam; 7 - Nambiyar Dam, Nanguneri, Tuticorin Airport ARG and Vaibhavwadi; 6 - SembanarkoilPWD, Mayiladuthurai AWS, Moolaikaraipatti, Palayamkottai andSrivaikuntam; 5 - Jainoor, Alakarai Estate, Sankaridurg, Radhapuram, Ottapadiram, Kulasekarapattinam, Pernem, Kochi IAF, Kurudamannil, Ulanad AWS and Tirunelveli AWS.
17 Oct	16 - Nalumukku; 15 - Oothu; 14 - Kakkachi; 11 - Manjolai; 9 -Dharmasthala and Kalugumalai; 8 - Puttur HMS, Kota,Theerthandathanam, Ambasamudram and Kalakadu; 7 - Manamelkudi,Srikalahasti, Atlur, Minicoy and Mudubidre; 6 - Sethiathope, Mimisal,Nambiyar Dam, Nanguneri, Bhiwandi and Satyabama Uty ARG; 5 -Belthangadi, Balamore, Thirukuvalai, Thalaignayer, Mandapam,Paramakudi, R.s.mangalam, Gadana Dam, Ramanadhi Dam, Pattukottai,Cheranmahadevi, Manimutharu, Kannadaian Anicut, Kodumudiyaru Dam,Servalar Dam, Kandukur, Penagaluru, Satyavedu and Kozhikode.
18 Oct	18 - Rajapalayam; 16 - Thekkadi and Gummidipoondi; 14 - Ponneri; 12- Coonoor PTO and Kayalpattinam; 11 - Alakarai Estate andKalugumalai; 10 - Ayikudi, Shencottah, Thenkasi, Nalumukku and Amini;9 - Anaikedanku, Mambzhathuraiyaru, Coonoor, Burliar, Gundar Dam,Ramanadhi Dam, Shanmuganadhi, Kakkachi, Vembakottai, MyladumparaARG, Pampadumpara AWS, Thodupuzha and Agathi; 8 - Adayamadai,Adar Estate, Kil Kotagiri Estate, Gadana Dam, Tenkasi AWS, Manjolai,Oothu, Mannargudi, Tada and Vellanikkara; 7 - Billimalai Estate, TalukOffice Pandalur, Mandapam, Ramnadu Kvk AWS, Sivagiri, Ayyampettai,Budalur, Periyar, Ottapadiram, Tiruchendur, Tuticorin Rly ARG,Neryamangalam ARG and Aryankavu; 6 - Kannimar, Geddai, Kodanad,Manamelkudi, Pudukottai, Rameswaram, Veerapandi, Sullurpeta,Kottayam and Piravam; 5 - Dgp Office, K.m.koil, Vanamadevi, Dindigul,Kuzhithurai, Kozhiporvilai, Mukkadal Dam, Mullanginavillai, Velankanni, KBridge, Ketti, Kothagiri, Mimisal, R.s.mangalam, Thangachimadam,Theerthandathanam, Peravurani, Tiruvaiyaru, Gudalur, Radhapuram,Thamaraipakkam, Needamangalam, Thiruchendur AWS, Tuticorin AirportARG, Pilavakkal, Koothattukulam AWS, Vadavathur AWS, Thritla,Minicoy, Meencut AWS and Vaikkom AWS.
19 Oct	14 - Kothagiri; 13 - Aruppukottai Kvk AWS, Kovilankulam and ErnakulamSouth; 12 - Yagati, Pwd Makkinampatti, Peddapuram, Mattanchery AWSand Palemad AWS; 11 - Sringeri HMS, Kavundapadi, Aruppukottai,Rajapalayam, Sivakasi, Polavaram, Prakasam Barrage and Arkalgud; 10- Kil Kotagiri Estate and Vijayawada (ARG) ; 9 - Aliyar, Pollachi, PwdVaarappatti, Peraiyur, Burliar, Kodanad, Taluk Office Pandalur and KochiIAF; 8 - Belthangadi, Karkala, Belur, Coonoor PTO, Geddai,Kayalpattinam, Vembakottai, Koyyalagudem, Atmakur and MangalamDam AWS; 7 - Bantwal, Ajjampura, Jayapura, Agumbe AWS, AlakaraiEstate, Bapatla, Mangalagiri, Gudivada, Tuni, Chimakurthi, Peermade To,Kollam Rly, Kunnamangalam AWS and Athirappalli AWS; 6 -Nagamangala, Annur, Nilakottai, Billimalai Estate, Coonoor, ChamrajEstate, K Bridge, Mudukulatur, Thangachimadam, Srivilliputhur, Kaikalur,Kavali, Nellore, Denkada, Pusapatirega, Pirappancode AWS, Berhampurand Chimoni ARG; 5 - Kundapur, Shakti Nagar, Siddapura, Kottigehara,Tarikere, Hosadurga, Coimbatore South, Vedaranyam, Devala, Ketti,Kinnakorai, Gandarvakottai, Bhimadole, Kakinada, Vijayawada AP,Srikalahasti, Thottambedu, Malampuzha Dam AWS, Palakkad,Vannamada AWS, Kunnathanam AWS, Airport Chakka ARG, VaikkomAWS, C R Patna and Gannavaram AP.
20 Oct	13 - Kodungallur; 10 - Coonoor PTO and Coonoor; 9 - Kodivery, Burliarand Munakkal AWS; 8 - Kavundapadi, Kil Kotagiri Estate,Theerthandathanam, Sothuparai, Servalar Dam, Tuticorin Rly ARG,Peringome AWS, Kanjirapuzha ARG, Malampuzha Dam AWS,Mannarkkad, Palakkad, Pothundy Dam AWS, Swam-patna and Arkalgud;7 - Shakti Nagar, Anavatti, Pillur Dam Mettupalayam, Sathyamangalam, Adar Estate, Rajapalayam, Alathur, Irinjalakuda, Lower Sholayar AWS,Bahanga and Kunigal; 6 - Kadur, Kammardi, Kibbanahalli,Mahabalipuram, Kodaikannal Boat Club, Karaikal, Idayapatti,Mangalapuram, Alakarai Estate, Kodanad, Thenkasi, Tenkasi AWS,Manjalar, Theni Andipatti, Kayalpattinam, Pilavakkal, Merakamudidam,Agali, Madakasira, Taliparamba, Mahe, Kollengode AWS, Ottapalam AWSand Kiravatti; 5 - N R Pura, Hosadurga, Hiriyur HMS, Sira,Mahabalipuram AWS, Siruvani Adivaram, Kodaikanal, Kunderipallam,Kinnakorai, Thammampatty, Ayikudi, Sankarankoil, Ramanadhi Dam,Papanasam, Tiruvarur AWS, Srivaikuntam, Watrap, Therlam, PenuKonda, Rolla, Chalakudi, Kunnamkulam, Vilangankunnu ARG,Kashinagar, Chikiti, Lanjigarh, Th Rampur, Pattamundai, Banpur,Hirekerur, Bellur, Bhadravathi and Shivamogga PTO.
21 Oct	Varattupallam; 11 - Neyyattinkara; 10 - Chidambaram, AnnamalaiNagar, Chidambaram AWS and Velankanni; 9 - Karaikal, Nagapattinam,Tirupoondi, Rameswaram and Quilandi; 8 - Sholinganallur, Sirkali,Thalaignayer, Ayyampettai and Vettikadu; 7 - Parangipettai,Kunderipallam, Mayiladuthurai, Tiruvarur, Sullurpeta, KunnamangalamAWS, Thattathumala AWS, Irinjalakuda and Piravam; 6 - Puttur HMS,Kollidam, Sembanarkoil PWD, Manjalaru, Orthanad, Neivasal Thenpathi,Gummidipoondi, Ennore AWS, Kodavasal, Tiruvarur AWS, Alwaye PWD,Kochi C.i.a.l., Kalamassery AWS, Alathur, Airport Chakka ARG, Tikarpara,Vaikkom AWS and Sulya; 5 - Belthangadi, Tiptur, Bhuvanagiri, Chittar,Perunchani Dam, Sivalogam (chittar Ii) , Thirparappu,

	Manalmedu,Vedaranyam, Nagapattinam AWS, Needamangalam, Tada, Tirupati AP,Thiruvananthapuram, Pirappancode AWS, Tangi, Gania and Bandipura.
22 Oct	Vanur, Thottambedu and Kodur; 17 - Kothavacherry, Vanamadevi,Uthukottai, Rscl Vallam and Vilupuram; 15 - Src Kudithangi, Puducherryand Atmakur; 14 - Sullurpeta; 13 - Parangipettai, Sethiathope, DsclThiyagadurgam, Ponnaniyar Dam and Venkatagiri; 12 - Bhuvanagiri,Vadakuthu, Walajabad, Avadi and Gingee; 11 - Kurinjipadi,Thiruvalangadu, Kovilpatty, Rscl-2 Kedar, Rscl-2 Nemoor, Rscl-2Valavanur, Kandukur, Gudur and Tirupati AP; 10 - Maduranthagam,Chennai (n) , Dscl Kalayanallur, Kcs Mill-1 Kadavanur, Aravakurichi,Mandapam, Kalavai PWD, Kalavai AWS, Rscl-2 Koliyanur, Rscl-2Soorapattu, Tindivanam and Tada; 9 - Neyveli AWS, Panruti, BaslManalurpet, Dscl Sulangurichi, Sankarapuram, Sriperumbudur,Rameswaram, Ramanathapuram, Arcot, Karaikudi, Tirupuvanam,Tirupathur, Udumalpet, Gummidipoondi, Vembakkam, Needamangalam,Marakkanam, Basl Mugaiyur, Rscl-2 Kanjanur, Rscl-2 Mundiyampakkam,Rscl-3 Valathy, Nellore and Rapur; 8 - Mahabalipuram,Thirukalukundram, Ambathur, Annamalai Nagar, Lalpet, Ariyalur CampArea, Kcs Mill Ariyalur, Kcs Mill Moorarpalayam, Ulundurpet, Uthiramerur,Kallandri, Mimisal, Thangachimadam, Arakonam, Devakottai, Ponneri,Jaya Engg College AWS, Poonamalle ARG, Vinjamur, Pakala andSatyavedu; 7 - Tambaram, Mgr Nagar, K.m.koil, Srimushnam,Virudachalam, Dscl Eraiyur, Basl Vengur, Dscl Madampoondi, DsclKeelpadi, Dscl Rishivandhiyam, Kallakurichi, Dscl Virugavoor, Kallakurichi ARG, Kcs Mill-1 Moongilthura, Manimutharu Dam PWD, Tirukoilur,Chembarambakkam ARG, Anaippalayam, Kadavur AWS, Mettupatti,Manamelkudi, Tirumayam, R.s.mangalam, Tondi, Ranipet, Thalaivasal,Pwd Travellers Bungalow, Chembarabakkam, Pallipattu, Poondi, Cheyyar,Kodavasal, Mylam AWS and Aduthurai AWS; 6 - Hindusthan University,Mahabalipuram AWS, Anna University, Chennai AP, Ayanavaram TalukOffice, Sholinganallur, Chidambaram, Chidambaram AWS, Kuppanatham,Dscl Thirupalapandal, Thirukoilur ARG, Krishnarayapuram, Chittampatti,Madurai South, Madurai North, Periyapatti, Sathiar, Thaniamangalam,Avudayarkoil, Illuppur, Kamudhi, Pamban, Theerthandathanam,Wallajah, Ranipet AWS, Yercaud, Sivaganga, Singampunari, Budalur,Vadapudupattu, Koratur, Puzhal ARG, Thamaraipakkam, Tiruvallur,Chetpet, Jamunamarathur, Vandavasi, Nannilam, Pandavaiyar Head,Valangaiman, Trp Town, Basl Manampoondi, Atlur, Saintala and KhordhaPTO; 5 - Kumta, Sendurai, Suthamalli Dam, Kelambakkam, KolapakkamARG, Anna Uty ARG, Alandur, Cd Hospital Tondaipet, ChennaiCollectorate Bu, Dgp Office, Perambur, Kattumayilur, Kilacheruvai, MeMathur, Vepur, Gomugi Dam PWD, Kancheepuram, Mayanur, KulithalaiARG, Tallakulam, Vadipatti, Sembanarkoil PWD, Gandarvakottai,Kilanilai, Nagudi, Paramakudi, Tiruvadanai, Ammoor (walajah Railway,Palar Anicut, Sholingur, Anaimaduvu Dam, Kariyakovil Dam, Illayangudi
23 Oct	14 - Quilandi; 13 - Dharmasthala and Arakonam; 12 - Kottigehara andHut Bay; 11 - Harur and Yanam; 9 - Belthangadi, Somwarpet, Namakkal, Mohanur, Worth Estate Cher, Vellakoil, Masulipatnam Cdr,Racherla, Seetharamapuram, Irinjalakuda and Kushalnagar; 8 -Glenmorgan, Tiruttani, Rscl-3 Avalurpettai, Podili and Harangi; 7 - Kadur,N R Pura, Konanur, Dscl Thiyagadurgam, Naduvattam, Taluk OfficePandalur, Ranipet AWS, Mettur, Oothu, Thiruvalangadu, Thuvakudi Imti,Rscl-2 Kedar, Rscl-2 Soorapattu, Rapur, Brahmasamudram, Penagaluru,Atlur, Iaf Carnicobar, Ernakulam South, Angadipuram, Thritla,Vellanikkara, Mudubidre and Koppa; 6 - Uppinangadi, Kundapur,Kammardi, Krishnarajasagara, Dharmapuri PTO, Pappireddipatti,Kodumudi, Sendamangalam, Devala, G Bazar, Upper Gudalur,Gummidipoondi, Kalasapakkam, Rscl-3 Semmedu, Rscl-3 Valathy,Karamchedu, Kakinada, Chimakurthi, Markapur, Kandukur, Udayagiri,Kalyandrug, Satyavedu, Kamalapuram, Vallur, Car Nicobar, Kochi IAF,Palluruthy ARG, Peermade To, Hosdurg, Palemad AWS, Pattembi,Neyyattinkara, Enamakkal, H D Kote and K R Nagara; 5 - Kolasib AWS,Mani, Karkala, Kota, M M Hills, Jayapura, Tiptur, Maduranthagam,Modakkurichi, Sathyamangalam, Barwood, Grand Anaicut, Kakkachi,Nalumukku, Poondi, Vandavasi, Ponmalai, Pullambadi, Gingee, RsclVallam, Vilupuram, Marripudi, Settur, Kayamkulam, Idamalayar DamAWS, Kalamassery AWS, Thodupuzha, Paripalli AWS, Kanjirappally,Manjeri, Laha AWS, Kodungallur, Kunnamkulam, Munakkal AWS, Bellur,Kalasa, C R Patna and Bandipura.
24 Oct	17 - Kandukur; 15 - Pallipattu; 13 - Proddutur; 12 - Nalumukku; 11 -Oothu and Narsapuram; 10 - Arakonam, Amalapuram and Maski; 9 -Balamore, Udayagiri, Tanuku, Raptadu and Alur; 8 - Kakkachi, Ongole,Kavali, Vinjamur, Kalingapatnam, Atlur and Kerur; 7 - Kittur, Kushtagi,Tavaragera, Chittar, Pechiparai, Puthan Dam, Perunchani Dam,Thiruvalangadu, Tiruttani, Palakoderu, Bheemavaram, Anantpur,Penagaluru, Nagari, Sullurpeta, Tirupati AP, Porumamilla, Chavara AWS,Paripalli AWS, Konni, Thiruvananthapuram and Gandachara AWS; 6 -Bailhongal, Thirparappu, Minnal, Tiruvallur, Trp Town, Khutbav DaundAWS, Kaikalur, Cumbum, Racherla, Atmakur, Singanamala,Chinnamandem, Punganur, Badvel, Chapad, Kollam Rly, ThattathumalaAWS, Hosapete and Kudligi; 5 - Barapani, Gandecherra, Saiha AWS,Badami, Hidkal Dam, Dharwad PTO, Veepangandla, Kuzhithurai,Kottaram, Thirupathisaram AWS, Panapakkam, Manjolai, Tiruttani PTO,Tiruchirappalli Junctio, Gudivada, Masulipatnam Cdr, Chimakurthi, Rapur,Gantyada, Srungavarapukota, Vepada, Tadpatri, Bathalapalle, Tadimarri,Duvvur, Kondapuram, Raju Palem, Vallur, Vempalle, Kochi IAF,Mattanchery AWS, Palluruthy ARG, Airport Chakka ARG, Palode AWS,Varkala, Kodungallur and Padia.
25 Oct	14 - Oothu and Canacona; 13 - Nalumukku; 12 - Karwar and IafCarnicobar; 11 - Kakkachi and Mormugao - Pmo IMD; 10 - Car Nicobar;9 - Balamore, Manjolai and Panjim ; 8 - Thirparappu, Mapusa, DabolimN.a.s.- Navy and Koilkuntla; 7 - Suralacode, Idayapatti, Madurai South,Madurai North, Tallakulam, Ponda, Quepem, Repalle and Dornipadu; 6 -Devaruppal, Gandeed, Gopalpet, Kothakota, Mettupatti, Periyapatti,Sanguem, Deoni, Amalapuram, Pattikanda, Kudulu, Airport Chakka ARG,Thiruvananthapuram, Varkala and Gokarna; 5 - Kumta, Gadag PBO,Damaragidda, Kosgi, Narayanpet, Tandur, Peddamandadi, Chittar,Kanyakumari, Mylaudy, Mullanginavillai, Chittampatti, Sholavandan,Kodumudiyaru Dam, Sudhagad Pali, Nancowry, Neyyattinkara andTrivandrum AP.
26 Oct	16 - Navsari; 13 - Nalumukku; 12 - Oothu; 11 - Devla; 10 - Kakkachi; 9- Honavar, Uthukottai, Igatpuri, Vani-arg, Umergam and Sutrapada; 8 -Manjolai, Niphad, Khadgaon and Shirali PTO; 7 - Katpadi, Rscl-2Valavanur, Dahanu , Pimpalgaonbaswant ARG, Cumbum, Palamaner,Dangs (ahwa) , Jalalpor, Khergam, Manpur, Aundhi and Bhainsdehi; 6 -Manki, Dilawarpur, Chittar, Rscl-2 Koliyanur, Wada, Shahapur, Kaprada,Valsad, Gidam and Narayanpur; 5 - Kumta, Balkonda, Sarangapurnrl,Virinjipuram AWS, Palghar ARG, Mokheda - Fmo, Sangamner, Dhule,Sakri, Girnadam - Fmo, Yeola, Vinjamur, Chikhli, Kamrej, Pardi, Veraval,Bhairamgarh, Durgkondal and Chhotedongar.
27 Oct	22 - Rajula; 16 - Diu; 14 - Ukai; 13 - Dabolim N.a.s.- Navy, Mormugao -Pmo IMD and Shihor; 12 - Jafrabad and Una; 11 - Panjim ; 10 - Pernem,Songadh and Shirali PTO; 9 - Canacona, Satna Baglan, Umerpada,Savarkundla and Vallabhipur; 8 - Honavar, Kumta, Mapusa, Prathipadu,Agathi, Jesar, Palitana and Sutrapada; 7 - Karwar, Tellichery, Gariadharand Kodinar; 6 - Manki, Guttal, Kannur, Kannur Icar AWS, Kozhikode,Quilandi, Sagbara, Narmada Kvk AWS, Talaja and Umrala; 5 - Ankola,Gersoppa, Koratur, Tiruttani PTO, Palghar ARG, Matheran, Dodamarg,Rahuri, Devla, Long Island, Port Blair, Cheruvanchery AWS,

	Vadakara,Thennala AWS, Pattembi, Valia, Dediapada, Nandod, Tilakwada, Jalalporand Sheopur-aws.
28 Oct	20 - Sutrapada; 19 - Visakhapatnam; 14 - Bheemunipatnam andVisakhapatnam AP; 13 - Nainwa, Diu and Veraval; 12 - Mandasa, Kotri,Khambha, Kodinar, Gir Gadhada, Meghnagar, Thandla, Badoda andPatrapur; 11 - Ennore AWS, Virinjipuram AWS, Barisadri, Gangrar,Nimbahera, Nithuwa SR, Sagwara, Galteshwar, Vadodara, Talaja, Una,Sheopur-aws and Gosani; 10 - Ichchapuram, Kalingapatnam, Palasa,Bhilwara Tehsil SR, Bundi, Bhopalsagar SR, Vallabhnagar, Meghraj, Bardoli, Lilia, Jhabua-aws, Dhundhadaka, Karhal and Nagda; 9 -Anakapalle, Chodavaram, Khushalgarh, Shergarh SR, Chipabarod SR,Mangrol, Bhilwara, Dungla SR, Enamakkal, Vagra, Umerpada, Talala,Petlawad, Rama, Malhargarh, Piploda, Jaora, Vijaypur (adp) ,Paralakhemundi, R.udaigiri, Kukudahandi and Sankheimundi; 8 -Shahada, Yelamanchili, Uravakonda, Bagidora SR, Chabra, Hindoli,Badesar SR, Kapasan SR, Rashmi SR, Aspur, Ladpura SR, Pipalda SR,Dhariabad, Udaipur/D-aero, Ponnani, Nadiad, Savarkundla, Barod,Badnawar, Kumbhraj, Ghatigaon, Sailana and Ratlam-aws; 7 -Robertsganj, Ambathur, Cd Hospital Tondaipet, Avadi, Ponneri, Nellore,Pathapatnam, Sompeta, Pusapatirega, Vizianagaram, Sullurpeta, Tada,Banswara SR, Danpur, Loharia, Chittorgarh, Galiakot SR, Bakani SR,Dug, Degod SR, Kota-aero, Mandana SR, Chothkabarwara SR, KhandarSR, Nagrarfort SR, Sarara, Kunnamkulam, Irinjalakuda, Vadakkancherry,Hansot, Dahod, Balasinor, Kadana, Lunawada, Khanpur, Nandod, Mahuva(b) , Mendarda, Chhotedongar, Pati, Dahi, Kukshi, Chinor, Gwalior,Mandsaur-aws, Jawad, Manasa, Alot, Bairad, Badnagar, Hanumana andBerhampur; 6 - Muddebihal, Manchal, Choutuppal (ARG) , ChennaiCollectorate Bu, Dgp Office, Perambur, Chinnakalar, Avalanche,Uthukottai, Garugubilli, Kavali, Tekkali, Satyavedu, Bhungra SR, Ghatol,Jagpura SR, Anta SR, Jahazpur, Indergarh SR, Begu SR, Patan, KanvaSR, Gangdhar SR, Chhotisadri, Railmagra SR, Girva SR, Kherwara,Cherthala, Kumarakam, Mahe, Angadipuram, Kunnathanam AWS,Kodungallur, Vellanikkara, Anand, Santrampur, Virpur, Wanakbori,Rajpipala, Jalalpor, Khergam, Navasari AWS, Vijaynagar, Ukai, Songadh,Kaprada, Valsad, Rajula, Jesar, Shihor, Vallabhipur, Dhrol, Susner, Niwali,Bagh, Gandhwani, Bhitarwar, Bhavgarh, Sitamau, Bajna, Pohri,Khachrod, Mahendragarh, Chhatrapur, Digapahandi, Chikiti andPurushottampur; 5 - Churk, Rihand Dam Fmo, Orai, Jhansi, Kandi AP,Sangareddy, Anna University, Ayanavaram Taluk Office, Chennai (n) ,Mgr Nagar, Cholavaram, Puzhal ARG, Red Hills, Devgad, Mormugao -Pmo IMD, Gidhade - Fmo, Chopda, Ozharkheda - Fmo, Vani-arg,Indapur, Narsipatnam, Amalapuram, Kandukur, Cheepurupalle, Denkada,Garividi, Merakamudidam, Nellimarla, Srungavarapukota, Narsapuram,Yanam, Guntakal, Srikalahasti, Thottambedu, Venkatagiri, Kesarpura SR,Baran, Kishanganj, Mandal SR, Mandalgarh, Sahada SR, Talera SR,Bhainsroadgarh SR, Ganeshpur SR, Sabla SR, Sawaimadhopur Tesil SR,Deoli, Uniara/Aligarh, Jhadol SR, Salumber, Mavli, Haripad, Mancompu,Ernakulam South, Chalakudi, Borsad, Modasa, Waghai, Subir, Tilakwada,Godhra, Halol, Kamrej, Mahuva, Padra, Gariadhar, Umrala, Botad,Khambhalia, Kalavad, Visavadar, Morbi, Jabot, Dabra, Ranapur,Suvasara, Tal, Karera, Narwar, Ramnagar, Bhuban, Kashinagar, Nuagadaand Sheragada.
29 Oct	25 - Ongole; 24 - Chimakurthi; 22 - Kandukur and Kavali; 20 -Srisailam; 19 - Renapur, Addanki and Darsi; 17 - Achampeta and Podili;16 - Kalwakurthy and Konakanamitla; 15 - Markapur and Gosani; 14 -Cumbum and Atmakur; 13 - Devarakonda, Bestavaripeta, Marripudi,Mundlamuru, Racherla, Yerragondapalem, Jupadu Bungalow andPorumamilla; 12 - Pedda Adiserlapalle, Bapatla, Karamchedu, Udayagiri,Vinjamur, Srungavarapukota and Patrapur; 11 - Dornakal, Midjil,Vangoor, Latur, Anakapalle AP, Veligandla, Nandyal, Rudravaram, Jaipurand Udala; 10 - Jadcherla, Deoni, Araku Valley, Piduguralla, Ardhaveedu,Seetharamapuram, Nellore, Allagadda, Nandikotkur andPurushottampur; 9 - Bhalki, Bonakal, Thollada, Garla, Kollapur, NagarKurnool, Thimmajipeta, Gopalpet, Nandigama, Pagidyala, Balasore,Nilgiri, Gumma, Sankheimundi, Aul, Pottangi, Betanati and Kaptipada; 8- Madhira, Wyra Kvk (agro) , Marriguda, Nagarjunsagar, Mattampally,Paderu, Repalle, Santhamaguluru, Tiruvuru, Jangamaheswarapuram,Palasa, Sompeta, Bondapalle, Mentada, Koilkuntla, Dornipadu, Badvel,Contai, Nh5 Gobindpur, Oupada, Soro, Tihidi, Mahendragarh, Aska,Polsara, Daringibadi and Balimundali; 7 - Dobhi, Khammam Urban, BalaNagar, Khila Ghanpur, Wanaparthy, Nalumukku, Parli Vaijnath, Badnapur,Gangakhed, Pathri, Sonpeth, Chodavaram, Guntur, Paleru Bridge,Prakasam Barrage, Macherla, Mandasa, Cheepurupalle, Gantyada,Merakamudidam, Vepada, Gudur, Atlur, Duvvur, Dungla SR, Nimbahera,Bhograi, Remuna, Bhadrak, Chandbali, Bhuban, Kashinagar, R.udaigiri,Hinjili, Sheragada, Hatadihi, G B Nagar and Aurad; 6 - Humnabad,Alampur, Chinthakam, Konijerla, Khammam (ARG) , Chilkur, Mominpet,Veepangandla, Avalanche, Ahmedpur, Chakur, Nilanga, Mangalagiri,Tenali, Avanigada, Sattenapalle, Ichchapuram, Pathapatnam,Penagaluru, Orvakal, Rampurhat (DRMS) , Digha, Sagar Island PTO,Begu SR, Badesar SR, Deesa, Bahanga, Nuagada, Paralakhemundi,Chhatrapur, Dharakote, Ganjam, Madhabarida, Kukudahandi, Sorada,Jajpur, Jajpur PTO, G Udayagiri, Derabis, Pattamundai, Rajkanika andSagar Island; 5 - Aswaraopeta, Chandrugonda, Enkuru, Mahabubabad,Bhoothpur, Mahbubnagar, Nawabpetmbn, Chandur, Kondurg,Maheswaram, Pargi, Peddamandadi, Chinnakalar, Oothu, Dharur,Soegaon, Partur, Shirur Anantpal, Udgir - IMD Parttime, Manvat,Atchampet, Palakonda, Salur, Tekkali, Bobbili, Garividi, Nellimarla,Pusapatirega, Therlam, Banaganapalle, Owk, Chapad, Raju Palem,Diyakel Khunti Kvk AWS, Durgachack, Midnapore, Midnapore (CWC) ,Mannarkkad, Mannarkkad AWS, Jaleswar, Khaira, Rajghat, Basudevpur, Mahanga, Niali, Nischintakoili, Salepur, Buguda, Digapahandi, Binjharpur,Chakapad, Garadapur, Kendrapara, Kendrapada PTO, Rajnagar,Khandapara, Ranpur and Ibrahimpatnam AP.
30 Oct	39 - Bheemadevarpalle; 38 - Parvathagiri; 31 - Dharmasagar andChigurumamidy; 29 - Zaffergadh and Huzurabad; 28 - Gudurwrgl andSangem; 25 - Hasanparthy and Chennaraopet; 23 - Hanamkonda,Jangaon and Palakurthi; 22 - Narmetta; 20 - Karimnagar,Shankarapatnam and Nanganur; 19 - Thimmapur, Narsampet andAtmakur M; 17 - Ghanpur, Raghunathpalle and Mahabubabad; 15 -Atmakurwrgl, Kodakandla, Dornakal, Garla, Kunaram (ARG) andSrirampur; 14 - Bachhanpet, Devaruppal, Bayyaram, Armur, Nandipet,Konaraopeta and Noothankal; 13 - Peddapalle and Bejjanki; 12 -Shayampet, Choppadandi, Gangadhara, Chandurthi, Mustabad,Kondapak, Ratnagiri and Malvan; 11 - Pegadapalle, Jammikunta,Karimnagar AP, Kammar Palle, Velpur, Boinpalle, Ellanthukunta,Jagadevpur and Jajireddigudem; 10 - Kathlapur, Mudhole, Navipet,Sultanabad, Khanapur, Nallabelly, Siddhapur AP and Rameshwar ARG; 9- Parkal, Kataram, Regonda, Balkonda, Bheemgal, Jakranpalle, Mortad,Manthani, Elagaid, Yadagirigutta, Savarde-arg, Polavaram, Nh5Gobindpur and Nawana; 8 - Mogullapalle, Metpalle, Sarangapur, Sirsilla,Mothey, Manora, Guhagarh, Mantha and Banki; 7 - Robertsganj,Imamganj, Chityal, Dharmapuri, Mallial, Sirpuru, Kothaguda,Belampalle, Jaipur, Mulug, Bhainsa (ARG) , Makloor, Yellareddypeta,Siricilla AP, Kaveri Siddipet AP, Suryapet, Bhuvanagiri, Panjim , Jawhar,Bhuban, Suliapada and Sonua; 6 - Julurpad, Yellandu, Bhupalpalle,Mutharam Mahadevpur, Jagtial, Mallapur, Velagatoor, Kusumanchi,Jainoor, Sirpur (t) , Kerameri, Wankdi, Govindaraopet, Venkatapur,Tadwai Mlg, Laxmanchanda, Sarangapurnrl, Julapalle, Dubbak, Wargal,Chinnakalar, Nandgaonkazi, Ballarpur, Pernem, Devgad, Canacona,Yeola, Hadgaon, Anakapalle AP, Koyyalagudem, Bade Bacheli, Remuna,Hatadihi, Betanati, Chandanpur, Chandua Kuliana, Kusumi, Hiranpur andPakur; 5 - Chunar, Talbehat, Kumta, Katoria, Meskaur, Bazarhathnoor,Utnur, Kothagudem, Enkuru, Khammam Urban, Khammam (ARG) ,Thollada, Kagaznagar, Chennur, Dhar Palle, Nizamabad, Dharmaram,Ramgundam, Ars

	Peddapalli AP, Gajwel, Mirdoddi, Chilkur, Kodada,Pochampalle, Ramannapeta, Amraoti, Dhamangaon Rlwy, Warud, Pusad,Mapusa, Ponda, Harnai IMD, Wakwali ARG, Mormugao - Pmo IMD,Bhokar, Himayatnagar, Jarmindi, Murarai, Dum Dum, Mahuva, Balasore,Altuma, Kamakhyanagar, Korei, Rasagovindapur, Brahmagiri, Maheshpurand Deoghar.
31 Oct	15 - Birpur; 12 - Dhanbad; 10 - Jalaun, Phulparas, Raghunathpur andMaynaguri College; 9 - Chunar, Mirzapur Tehsil, Chapra, Andar,Basantpur, Pratapganj, Rahghopur, Pipra, Saraigarh Bhaptiyahi, Putki,Putki Dvc, Barkatha, Washabari Tea Estate, Palashbari Tea Estate andMogulkata Tea Estate; 8 - Arrah, Barhampur, Buxar, Itarahi, Pothia,Bhagwanpur Hat, Nirmali, Marauna, Buxaduar, Bagdogra IAF, MoraghatTea Estate and Salhewara; 7 - Ayoadhya, Mirzapur CWC, Narpatganj,Dumraon, Gopalganj, Supaul, Toorsa Tea Garden, Darjeeling, Sevoke,Siliguri PTO, Diana Tea Estate, Ghish, Murti, Tra Nagrakata, Hansot,Dahegam, Ghandinagar AWS, Alirajpur, Amarkantak, Tamia, Jhallong,Damdim Tea Estate, Leesh River Tea Garden and Bagrakote; 6 - Ballia,Turtipar, Fatehpur Tehsil, Mohammedabad (Y) , Karchhana, Meja,Forbesganj, Sikti, Shahpur, Tedhagach, Sattar Kataiya, Jalalpur,Goriakothi, Pachrukhi, Kumargram Tea Estate, Newlands Tea Garden,Mahua Tea Estate ARG, Bhagatpur Tea Estate, Domohani, Neora,Oodlabari Tea Estate, Saraswatipur Tea Estate, Lava, Jagpura SR, Quant,Subir, Gandhinagar, Talod, Talaja, Rengakhar Kala, Sonhat, Surajpur,Burhanpur, Nepanagar, Gandhwani, Majholi, Sihora, Sihawal, ChalouniTea Estate, Denguajhar Tea Garden, Suryasen Mahavidyalaya andKarballa Tea Estate; 5 - Azamgarh, Kaiserganj, Tulasipur, Balrampur (t) ,Colonalganj, Madiahan, Lalganj, Auraiya (CWC) , Jhansi, Jung ARG,Gossaigaon AWS, Araria, Charpokhiri, Jagdishpur, Sandesh, Thakurganj,Andhratharhi, Ghoghardiha, Pandaul, Kurhani, Mushari, Baisa, Dighwara,Parsa, Bokhara, Hasanpura, Mairwa, Dhule, Mulher - Fmo, Papunki,Palganj, Koner, Koner Dvc, Alipurduar PTO, Aryaman Tea Estate, BeechTea Garden, Gopalpur Tea Estate, Majherdabri Tea Garden, Sankos TeaEstate, Subhasini Tea Estate, Champasari, Dentam, Anandpur TeaEstate, Baintgoorie T.e., Baradighi T.e., Chel, Gurjongjhora Tea Estate,Indong T.e., Kailashpur Tea Estate, Kumlai T.e., Nh31 Bridge,Noweranuddi Tea Garden, Zurrantee T.e, Algarah, Kalimpong, AmfuKalimpong, Mangan, Damthang, Sankalan, Simula, Ghatol, Bodeli,Jambughoda, Prantij, Kusmi, Chando, Samari, Latori, Sondwa, Khaknar,Bagh, Banarhat High School, Ghatia T.e., Mawkyrwat, Dima Tea Estate,Jaybirpara Tea Estate and Munsong.
1 Nov	22 - Hiranpur; 18 - Denguajhar Tea Garden; 17 - Jalpaiguri and Baltara;16 - Domohani, Gairkata Tea Estate, Karballa Tea Estate and MoraghatTea Estate; 15 - Dalgaon Tea Estate, Falakata, Gajoldoba andSangrampur; 14 - Jaybirpara Tea Estate, Nh31 Bridge, Mogulkata TeaEstate and Noweranuddi Tea Garden; 13 - Aryaman Tea Estate, GopalpurTea Estate, Hasimara, Diana Tea Estate and Taibpur; 12 - Subhasini TeaEstate, Anandpur Tea Estate, Baradighi T.e., Chel, Dhupguri, PalashbariTea Estate, Malda, Lanja, Rameshwar ARG and Rupouli; 11 - Beech TeaGarden, Dima Tea Estate, Toorsa Tea Garden, Banarhat High School,Dharala Valley Tea Esta, Nagarkata and Amfu Majhian; 10 - AlipurduarPTO, Mahua Tea Estate ARG, Bagrakote, Bhatkawa Tea Estate,Gandrapara Tea Garden, Good Hope Tea Estate, Kailashpur Tea Estate,Maynaguri College, Oodlabari Tea Estate, Saraswatipur Tea Estate andBhawanipur; 9 - Bhutanghat, Kumargram, Majherdabri Tea Garden,Patkapara Tea Estate, Raidak Tea Estate, Sankos Tea Estate, BagdograIAF, Mekhliganj, Siliguri PTO, Baintgoorie T.e., Bhagatpur Tea Estate,Ghatia T.e., Gurjongjhora Tea Estate, Kurti T.e., Neora, Namthang,Rajula, Banka, Amarpur, Rajoun, Sonhaula, Laxmipur, Balrampur, Gogriand Pakur; 8 - Mehgawan, Boarijore, Buxaduar, Kumargram Tea Estate,Newlands Tea Garden, Amfu Pundibari, Sevoke, Chalouni Tea Estate,Ghish, Indong T.e., Kumlai T.e., Murti, Tra Nagrakata, Soongachi T.e.,Zurrantee T.e, Washabari Tea Estate, Khambha, Dhemaji, Dodamarg,Sawantwadi, Manihari, Bahadurganj, Thakurganj, Birpur and SaraigarhBhaptiyahi; 7 - Barobhisha, Mathabhanga, Suryasen Mahavidyalaya,Chengmari/Diana, Hilla T.e., Jiti T.e., Leesh River Tea Garden, Lava,Talaja, Hawai, Bhagalpur, Sultanganj, Buxar, Islamnagar Aliganj,Kursela, Korha, Puraini, Tarapur and Baisa; 6 - Pathargama, Chepan,Darjeeling, Batabari T.e., Damdim Tea Estate, Jhallong, Algarah, AmfuKalimpong, Kalimpong, Balurghat, Gossaigaon AWS, Guhagarh,Narpatganj, Kursakanta, Bausi, Ghurriya, Katoria, Shambhuganj,Amdabad, Katihar, Alauli, Chautham, Chausa, Asarganj, Dharhara, SadarMunger, Krityanand Nagar and Gossaigaon; 5 - Godda, Mohammedabad(Y) , Cooch Behar, Munsong, Pedong, Rongo, Damthang, Raiganj PTO,Jafrabad, Lodhika, Pernem, Ratnagiri , Wakwali ARG, Savarde-arg, Dabolim N.a.s.-Navy, Forbesganj, Matiyani, Sahebpur Kanal, Bihpur,Colgaon, Nathnagar, Naugachia, Simri, Chakai, Jamui, Sikandara, Barari,Mansahi, Khagadia, Chargharia, Mansi, Kishanganj, Tedhagach, Chanan,Alalnagar, Phulparas, Bariarpur, Jalalpur, Ghat Kushumba, Lachen andLachung.
2 Nov	10 - Savarde-arg; 9 - Dahigaon - Fmo; 8 - Ratnagiri; 7 - Resubelparaand Sawantwadi; 6 - Dhandhuka, Hawai, Panbari, Williamnagar, Chiplun, Sangameshwar Devrukh, Pachora and Shipgyar; 5 - Long Island, Porbandar, Lanja and Jamui.
3 Nov	11 - Mhasla; 10 - Murud; 7 - Mangaon, Tala and Dapoli ARG; 5 -Shriwardhan, Trimbakshwar and Choutuppal (ARG) .
4 Nov	8 - Anjar; 6 - Kalwakurthy; 5 - Karjan, Tadepalligudem and Deoli.
5 Nov	10 - Sabroom; 9 - Sabroom AWS; 8 - Kalwakurthy; 7 - Dm Office ARGand Maheswaram; 6 - Saiha; 5 - Lawngtlai, Ashapara AWS, Bagafa, Bapatla, Kothagudem and Huzurabad.
6 Nov	12 - Tirupuvanam; 8 - Jayamkondam and Lower Anaicut; 7 - Avadi andCheyyar; 5 - Mushalpur AWS, Odanchatram, Kodavasal, Rscl Vallam andManopad.
7 Nov	10 - Uthukottai; 8 - Vembakkam and Srisailam; 7 - Kalavai AWS, Avadiand Red Hills; 6 - Wallajah; 5 - Walajabad, Kalavai PWD, Vaniyambadiand Chittoor.
8 Nov	Nil.
9 Nov	12 - Sulya; 5 - Hut Bay.
10 Nov	11 - Neyyattinkara.
11 Nov	5 - Mandapam.
12 Nov	13 - Mylaudy; 9 - Myladumpara ARG and Udumbannoor AWS; 6 -Madathukulam and Udumalpet; 5 - Pampadumpara AWS andVellathooval AWS.
13 Nov	9 - Oothu; 7 - Kakkachi, Manjolai and Nalumukku; 6 - Ottapadiram; 5 -Adavinainnarkoil Dam, Radhapuram, Aryankavu and Palode AWS.
14 Nov	7 - Mandapam; 6 - Kudulu; 5 - Alakarai Estate, Pamban, Ramanathapuram and Kochi IAF.
15 Nov	11 - Mavelikara; 8 - Tiruchendur; 7 - Radhapuram, Oothu, Kayalpattinam and Laha AWS; 6 - Kakkachi, Nalumukku, Kulasekarapattinam, Nooranad AWS and Konni; 5 - Manjolai andSrivaikuntam.

16 Nov	6 - Thirparappu; 5 - Konni.
17 Nov	12 - Kodiayakarai; 9 - Sembanarkoil PWD; 8 - Thangachimadam; 7 -Sirkali, Kollidam, Vedaranyam and Thalaignayer; 6 - Mayiladuthurai, Tarangambadi and Pamban; 5 - Tirupoondi, Rameswaram, Nannilam, Periya Kalapet ARG and Mayiladuthurai AWS.
18 Nov	17 - Vedaranyam; 14 - Oothu; 13 - Kodiayakarai and Nalumukku; 12 -Thirukuvalai and Kakkachi; 11 - Nagapattinam, Velankanni and Tada; 9 -Thalaignayer, Tirupoondi, Manjolai, Thiruthuraipoondi and Satyavedu; 8- Karaikal, Sirkali, Adirampatnam and Kunnamangalam AWS; 7 -Sembanarkoil PWD, Kollidam, Vedharanyam AWS, Muthupet andTiruvarur AWS; 6 - Annamalai Nagar, Mayiladuthurai, Kodavasal,Nannilam, Tiruvarur and Mayiladuthurai AWS; 5 - Chidambaram,Chidambaram AWS, Puducherry, Madukkur, Manjalaru, Pattukottai and Needamangalam.
19 Nov	23 - Oothu; 21 - Nalumukku; 19 - Kakkachi and Kumarakam; 18 -Manjolai; 14 - Ayikudi; 13 - Thenkasi; 12 - Tenkasi AWS andKayamkulam; 11 - Kayamkulam ARG, Mattanchery AWS and PrakasamBarrage; 10 - Shencottah, Kayalpattinam, Vaikom and Vijayawada (ARG); 9 - Satankulam, Ernakulam South and Kochi IAF; 8 - Tarangambadi,Tiruchendur, Cherthala and Palluruthy ARG; 7 - Gundar Dam, RamanadhiDam, Ambasamudram, Cheranmahadevi, Palayamkottai, Papanasam,Mavelikara, Thycauttussery AWS, Choondy AWS, Piravam, Konni andTirunelveli AWS; 6 - Kannadaian Anicut, Servalar Dam and Kayathar; 5 -Cd Hospital Tondaipet, Perambur, Gadana Dam, Manimutharu,Nanguneri, Radhapuram, Tirunelveli, Ottapadiram, Srivaikuntam,Kulasekarapattinam, Thiruchendur AWS, Rscl-2 Valavanur, Aryankavuand Thiruvananthapuram.
20 Nov	15 - Ayikudi; 13 - Thenkasi; 11 - Ambasamudram and KannadaianAnicut; 9 - Tenkasi AWS, Oothu and Nalumukku; 8 - Long Island, Karuppanadhi Dam and Kakkachi; 7 - Shencottah, Manjolai and Minicoy;6 - Maya Bandar, Gundar Dam and Palode AWS; 5 - Gadana Dam, Ramanadhi Dam and Servalar Dam.
21 Nov	6 - Car Nicobar and Iaf Carnicobar; 5 - Karaikal and Tiruvarur.
22 Nov	12 - Oothu; 11 - Nalumukku; 9 - Kakkachi, Manjolai, Penagaluru andKodur; 8 - Neyyattinkara; 7 - Mylaudy; 6 - Chittar, Kanyakumari andSivaganga; 5 - Bengaluru Kial, Lalpet, Kottaram and Papanasam.
23 Nov	26 - Nalumukku; 25 - Oothu; 23 - Kakkachi; 21 - Manjolai; 13 -Kulasekarapattinam and Tiruchendur; 11 - Kayathar; 10 - Kayalpattinam; 9 - Ayikudi, Shencottah and Satankulam; 8 - Papanasamand Srivaikuntam; 7 - Kothavacherry, Dscl Kalayanallur, Gadana Dam,Gundar Dam, Ambasamudram, Cheranmahadevi, Kadambur andThiruchendur AWS; 6 - Parangipettai, Sethiathope, Kallakurichi ARG,Thenkasi, Tenkasi AWS, Tirunelveli, Servalar Dam, Surangudi, TuticorinAirport ARG and Penagaluru; 5 - Annamalai Nagar, Bhuvanagiri,Chidambaram AWS, Dscl Virugavoor, Dscl Sulangurichi, Ulundurpet,Puducherry, Adavinainnarkoil Dam, Karuppanadhi Dam, RamanadhiDam, Manimutharu, Kannadaian Anicut, Kalugumalai, Rapur andKottayam.
24 Nov	23 - Oothu; 22 - Nalumukku; 21 - Sethiathope and Kakkachi; 19 -Manjolai; 14 - Chidambaram, Bhuvanagiri, Parangipettai, Thirukuvalaiand Madukkur; 13 - Annamalai Nagar, Nagapattinam, Thalaignayer andVettikadu; 12 - Chidambaram AWS, Vadakuthu, Velankanni andOrthanad; 11 - Neyveli AWS, Tirupoondi, Ayyampettai,Thiruthuraipoondi, Kochi IAF and Minicoy; 10 - Kothavacherry, DsclKalayanallur, Gadana Dam, Pattukottai, Neivasal Thenpathi,Needamangalam and Sivakasi; 9 - Jayamkondam, Kurinjipadi,Srimushnam, Modakkurichi, Tondi, Sivaganga, Aduthurai AWS,Kurungulam, Thanjavur, Kannadaian Anicut, Mannargudi, Kadambur,Tiruvarur AWS, Kayalpattinam and Tiruchendur; 8 - Lalpet, KallakurichiARG, Madurai South, Kollidam, Kodiayakarai, Alangudi, Ayinkudi,Gandarvakottai, R.s.mangalam, Echanviduthi, Ambasamudram,Papanasam, Nannilam, Kalugumalai, Kulasekarapattinam, Tuticorin,Tuticorin Rly ARG, Vedanatham and Ernakulam South; 7 - SuthamalliDam, K.m.koil, Kamatchipuram, Kallakurichi, Manimutharu Dam PWD,Karaikal, Madurai North, Sirkali, Vedaranyam, Annavasal, Avudayarkoil,Malaiyur, Ponnamaravathi, Kamudhi, Devakottai, Karaikudi, PwdTravellers Bungalow, Tirupuvanam, Ayikudi, Sivagiri, Lower Anaicut,Thanjavur PTO, Thiruvidaimaruthur, Tiruvaiyaru, Manimutharu,Nanguneri, Servalar Dam, Valangaiman, Tiruvarur, Ottapadiram,Srivaikuntam, Tuticorin Airport ARG and Palluruthy ARG; 6 - Thirumanur,Kodumudi, Dscl Sulangurichi, Airport Madurai, Thaniamangalam,Manalmedu, Adanakkotai, Arantangi, Manamelkudi, Kudimiyanmalai,Perungalur, Nagudi, Pudukottai, Tirumayam, Tiruvadanai, Thalaivasal,Gundar Dam, Ramanadhi Dam, Adirampatnam, Kumbakonam, Budalur,Manjalaru, Peravurani, Vallam, Thekkadi, Cheranmahadevi,Moolaikaraipatti, Kodavasal, Muthupet, Pandavaiyar Head, Kayathar,Keelaarasadi, Vaippar, Trp AP, Aruppukottai, Aruppukottai Kvk AWS,Kariyapatti, Kovilankulam, Srivilliputhur, Vembakottai, Mavelikara andMattanchery AWS; 5 - Ariyalur, Dscl Thiyagadurgam, Kcs Mill-2Kachirayaopa, Thogamalai, Kallandri, Peraiyur, Tallakulam,Mayiladuthurai, Nagapattinam AWS, Perambalur, Arimalam, Keeranur, Karaiyur, Kilanilai, Kadaladi, Paramakudi, Theerthandathanam,Singampunari, Shencottah, Karuppanadhi Dam, Thenkasi, Tenkasi AWS,Thanjai Papanasam, Tirukattupalli, Kalakadu, Palayamkottai, Tirunelveli,Maniyachi, Satankulam, Surangudi, Rajapalayam, Pilavakkal, Watrap,Haripad, Chavara AWS, Mayiladuthurai AWS and Tirunelveli AWS.
25 Nov	17 - Oothu and Nalumukku; 14 - Kakkachi; 13 - Manjolai; 8 -Kothavacherry; 7 - Tiruvarur; 6 - Bhuvanagiri, Mimisal, Mannargudi, Needamangalam and Minicoy.
26 Nov	8 - Pamban; 6 - Rameswaram; 5 - Mandapam.
27 Nov	Nil.
28 Nov	Nil.
29 Nov	12 - Nagapattinam and Tirupoondi; 11 - Thalaignayer and AnakapalleAP; 10 - Karaikal and Pamban; 7 - Thirukuvalai, Vedharanyam AWS, Mandapam, Rameswaram, Thangachimadam, Tondi, Illayangudi, Kayalpattinam, Paleru Bridge and Prakasam Barrage; 6 -Theerthandathanam, Surangudi and Tiruchendur; 5 - NagapattinamAWS, Manamelkudi, Mimisal, Kadaladi, R.s.mangalam, Ramanathapuram, Tiruvadanai, Valinokam, Vattanam, Ayyampettai,Kulasekarapattinam, Vaippar and Sivakasi.
30 Nov	19 - Karaikal; 17 - Sembanarkoil PWD; 15 - Nagapattinam andMayiladuthurai AWS; 14 - Mayiladuthurai, Sirkali and Tiruvarur; 13 -Tirupoondi, Thangachimadam, Tondi and Kurungulam; 12 - Sethiathope,Kodiayakarai, Vedaranyam, Velankanni and Nannilam; 11 - Srimushnam,Thirukuvalai, Thalaignayer, Mimisal, Tiruvadanai, Echanviduthi, NeivasalThenpathi, Thiruthuraipoondi and Tiruvarur AWS; 10 - Cuddalore,Collectorate, Parangipettai, Kollidam, Theerthandathanam, Orthanad andMannargudi; 9 - Chidambaram, Vadakuthu, Manalmedu, Avudayarkoil,Ayinkudi, Nagudi, Pamban, Rameswaram, Vattanam, Ayyampettai,Budalur, Madukkur, Manjalaru, Pattukottai, Peravurani,Thiruvidaimaruthur, Vettikadu, Needamangalam and Valangaiman; 8 -Annamalai Nagar, Bhuvanagiri, Lalpet, Arantangi, Pudukottai,Mandapam, Aduthurai AWS, Thanjavur, Thanjavur

	PTO, Tiruvaiyaru,Nandhiyar Head and Sivakasi; 7 - Mahabalipuram, K.m.koil,Kothavacherry, Vepur, Tarangambadi, Puducherry, Alangudi,Manamelkudi, Devakottai, Adirampatnam, Lower Anaicut, Vallam,Kodavasal, Muthupet and Pandavaiyar Head; 6 - Thirumanur, Cheyyur,Thirukalukundram, Kattumayilur, Kurinjipadi, Src Kudithangi,Vanamadevi, Nagapattinam AWS, Kilanilai, R.s.mangalam, Illayangudi,Karaikudi, Tirupathur, Thanjai Papanasam, Tirukattupalli, Surangudi,Pullambadi, Marakkanam and Anakapalle AP; 5 - Sendurai,Jayamkondam, Suthamalli Dam, Satyabama Uty ARG, Neyveli AWS,Tozhudur, Virudachalam, Kodaikanal, Idayapatti, Perambalur,Gandarvakottai, Karambakudi, Pwd Travellers Bungalow, Kumbakonam,Ponneri, Vanur, Vilupuram and Rapur.
1 Dec	11 - Kavali; 6 - Atmakur and Mahabalipuram.
2 Dec	21 - Ponneri; 20 - Chennai Collectorate Bu, Perambur and Ennore AWS;19 - Red Hills; 18 - Chennai (n) and Dgp Office; 17 - Ayanavaram TalukOffice, Cd Hospital Tondaipet and Gummidipoondi; 16 - Puzhal ARG; 14 -Mgr Nagar and Cholavaram; 13 - Anna University; 11 - Anna Uty ARGand Sholinganallur; 9 - Hindusthan University, Alandur, Chennai AP,Taramani ARG, Avadi and Sivakasi; 8 - Irinjalakuda; 7 - KolapakkamARG and Ambathur; 6 - Satyabama Uty ARG and Poonamalle ARG; 5 - Vadakkancherry, Nellore, Sullurpeta, Tada, Kelambakkam, Jaya EnggCollege AWS, Poonamallee, Thamaraipakkam and Tiruvallur.
3 Dec	15 - Hindusthan University; 13 - Chetpet; 12 - Tirumayam andThamaraipakkam; 11 - Satyabama Uty ARG, Thirukalukundram, Illuppur,Kudimiyanmalai and Tiruvarur; 10 - Kelambakkam, Mahabalipuram,Vadakuthu, Ulundurpet and Red Hills; 9 - Udumbannoor AWS, Nellore,Gudur, Satyavedu, Tada, Ambathur, Perambur, Pollachi, Tondi, NeivasalThenpathi, Cholavaram, Gummidipoondi, Ponneri and Tiruvarur AWS; 8 -Uthukottai, Needamangalam and Rscl Vallam; 7 - Vannamada AWS,Sullurpeta, Sholinganallur, Neyveli AWS, Virudachalam, Dscl Eraiyur,Karaikal, Ranipet AWS, Avadi, Mannargudi and Scs Mill Thiruvennainal; 6- Ayanavaram Taluk Office, Cd Hospital Tondaipet, Dgp Office,Kuppanatham, Mettupatti, Periyapatti, Vadipatti, Annavasal, Vettikadu,Tiruvallur, Cheyyar, Pandavaiyar Head, Thiruthuraipoondi and Scs MillArasoor; 5 - Idukki, Pothundy Dam AWS, Thottambedu, ChennaiCollectorate Bu, Chennai (n) , Collectorate, Cuddalore, Kattumayilur,Vepur, Walajabad, Singampunari, Thenkasi, Madukkur, Jaya Engg CollegeAWS, Poondi and Vandavasi.
4 Dec	21 - Gudur; 17 - Ennore AWS; 15 - Gummidipoondi; 11 - Atmakur,Thottambedu, Uthukottai and Tindivanam; 10 - Ponneri; 9 - Rapur,Srikalahasti, Venkatagiri and Cholavaram; 8 - Satyavedu, Sullurpeta andGangavalli; 7 - Pullampeta, Penagaluru, Cd Hospital Tondaipet, DsclThirupalapandal, Kcs Mill Ariyalur, Thaluthalai, Avadi, Red Hills, PuzhalARG and Thamaraipakkam; 6 - Chalakudi, Rajampet, Puttur HMS,Ariyalur Camp Area, Dscl Madampoondi, Periyakulam and Vilupuram; 5 -Tada, Perambur, Chinnakalar, Panchapatti, Thogamalai andVeppanthattai.
5 Dec	10 - Nellore; 9 - Uthukottai; 7 - Kodur; 6 - Satyabama Uty ARG; 5 -Peringome AWS, Koothattukulam AWS, Sambepalle, Gudur, Sholinganallur and Cholavaram.
6 Dec	5 - Kollidam and Oothu.
7 Dec	5 - Hut Bay.
8 Dec	8 - Oothu; 7 - Kakkachi, Manjolai and Nalumukku.
9 Dec	Nil.
10 Dec	Nil.
11 Dec	Nil.
12 Dec	Nil.
13 Dec	Nil.
14 Dec	7 - Long Island.
15 Dec	Nil.
16 Dec	Nil.
17 Dec	6 - Kothavacherry and Ramnadu Kvk AWS; 5 - Annamalai Nagar, Chidambaram AWS, Lalpet, Parangipettai and Kollidam.
18 Dec	14 - Nalumukku and Oothu; 12 - Kakkachi; 11 - Manjolai; 6 -R.s. mangalam.
19 Dec	Nil.
20 Dec	Nil.
21 Dec	Nil.
22 Dec	Nil.
23 Dec	Nil.
24 Dec	Nil.
25 Dec	Nil.
26 Dec	Nil.
27 Dec	Nil.
28 Dec	Nil.
29 Dec	Nil.
30 Dec	10 - Car Nicobar; 5 - Iaf Carnicobar and Tezu.
31 Dec	Nil.

Under the influence of an upper air cyclonic circulation over southeast Arabian Sea & adjoining Lakshadweep area, a low pressure area formed over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts which concentrated into a Depression. Due to this system, heavy to very heavy rainfall at isolated places observed over entire west coast and Lakshadweep area during first half of the week.

During 4th week of October, a Severe Cyclonic Storm "Montha" over southwest & adjoining westcentral Bay of Bengal caused extremely heavy rainfall at isolated places over coastal Andhra Pradesh & Yanam, isolated very heavy rainfall over Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands, Marathwada, Telangana, Odisha and over Rayalaseema.

3.1.5. *Temperature*

The maximum temperature was below normal over most parts of the country, except some parts of east & northeast India, north India, southern parts of South Peninsular India and both the islands. Maximum temperature anomaly was more than 1 ºC over parts of Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttarakhand and Chhattisgarh. The maximum temperature anomaly was less than -3 °C over parts of Rajasthan, the extreme southern region of Uttar Pradesh, and northern part of Madhya Pradesh.

The minimum temperature was above normal over most parts of the country, except some parts of northwest India, western parts of central India, and extreme northeast India. The minimum temperature anomaly was more than 2 ºC over parts of West Rajasthan, Madhya Pradesh, West Bengal & Sikkim, Gangetic West Bengal, Bihar, Jharkhand, Odisha and Vidarbha.

The highest maximum temperature of 39.5 °C was recorded at Palayankottai (Tamil Nadu) over the plains of the country on 2nd October. The lowest minimum temperature of 10.7 °C was recorded at Sundernagar (Himachal Pradesh) over the plains of the country on 26th October.

3.1.6. *Damages associated with disastrous weather events*

In October 2025, more than 100 people reportedly died, more than 30 people were injured, several people were missing and more than 70 livestock perished. The details of casualties given below are based on real-time media reports and other state government agencies.

Lightning: A total of 24 persons reportedly died (7-Gujarat, 5-Telangana, 3-Chhattisgarh, 3-Odisha, 2-Andhra Pradesh, 2- Karnataka, 1- Maharashtra, 1-Tamil Nadu), 24 persons were injured and 39 livestock perished.

Heavy Rains, Floods, Cloudbursts, and Landslides: A Total of 64 persons reportedly died (West Bengal-35, Himachal Pradesh-16, 3- Bihar, 3- Tamil Nadu, 3-Telangana, 2- Odisha, 1- Kerala, 1- Karnataka) and more than 15 persons were injured, several persons were issing, and many livestock perished because of Heavy Rains, Floods, Cloudbursts and Landslides.

Lightning associated with thunderstorms: A Total of 32 persons reportedly died (11- Bihar, 6-Chhattisgarh, 5-Tamil Nadu, 4-Kerala, 3-Uttar Pradesh, 2-Andhra Pradesh, 1- Maharashtra) and more than 10 persons were injured and more than 30 livestock perished because of Lightning associated with thunderstorms.

Severe Cyclonic Storm MONTHA: A Total of 9 persons reportedly died (12-Andhra Pradesh, 6-Telangana) and more than 40 livestock perished because of Severe Cyclonic Storm MONTHA.

Fig. 3 shows significant weather events during October 2025 (based on real-time media reports).

3.2. *November*

3.2.1. *Storms and depressions*

In November, two cyclonic storms, namely Senyar (25-27 November) and Ditwah (26 November – 3 December) formed over the Bay of Bengal. Besides these storms, one well-marked low pressure area (2 – 5 November) and one low-pressure area (15 – 21 November) formed over the Bay of Bengal.

(1) Cyclonic Storm "SENYAR" over the Strait of Malacca (25-27 November 2025)

Under the influence of upper air cyclonic circulation over central parts of Strait of Malacca, a Low Pressure area formed over Strait of Malacca and adjoining South Andaman Sea at 0830 hrs. IST of the 22nd November. It lay as a Well Marked Low Pressure area over the same region at 0530 hrs. IST of 23rd and over Malaysia and adjoining Strait of Malacca at 0830 hrs. IST of 24th. It moved slightly west-northwestwards and intensified into a Depression and lay over Strait of Malacca, near Lat. 5.4° N & Long. 99.7° E at 0830 hrs. IST of 25th. It moved nearly westwards and intensified into a Deep Depression and lay centered over the same region near Lat. 5.1° N & Long. 98.5° E at 2330 hrs. IST of 25th. It further moved nearly westwards & intensified into a Cyclonic Storm "Senyar" (Pronunciation: 'Sen-yar') and lay centered over Strait of Malacca and adjoining northeast Indonesia near Lat. 5.0° N & Long. 98.0° E at 0530 hrs. IST of 26th. It moved west-southwestwards and crossed Indonesia coast near 4.9° N between 0730-0830 hrs. IST and lay centered over coastal areas of northeast Indonesia near Lat. 4.9°N & Long. 97.8° E at 0830 hrs. IST of 26th. It moved east-southeastwards & weakened into Deep Depression and lay

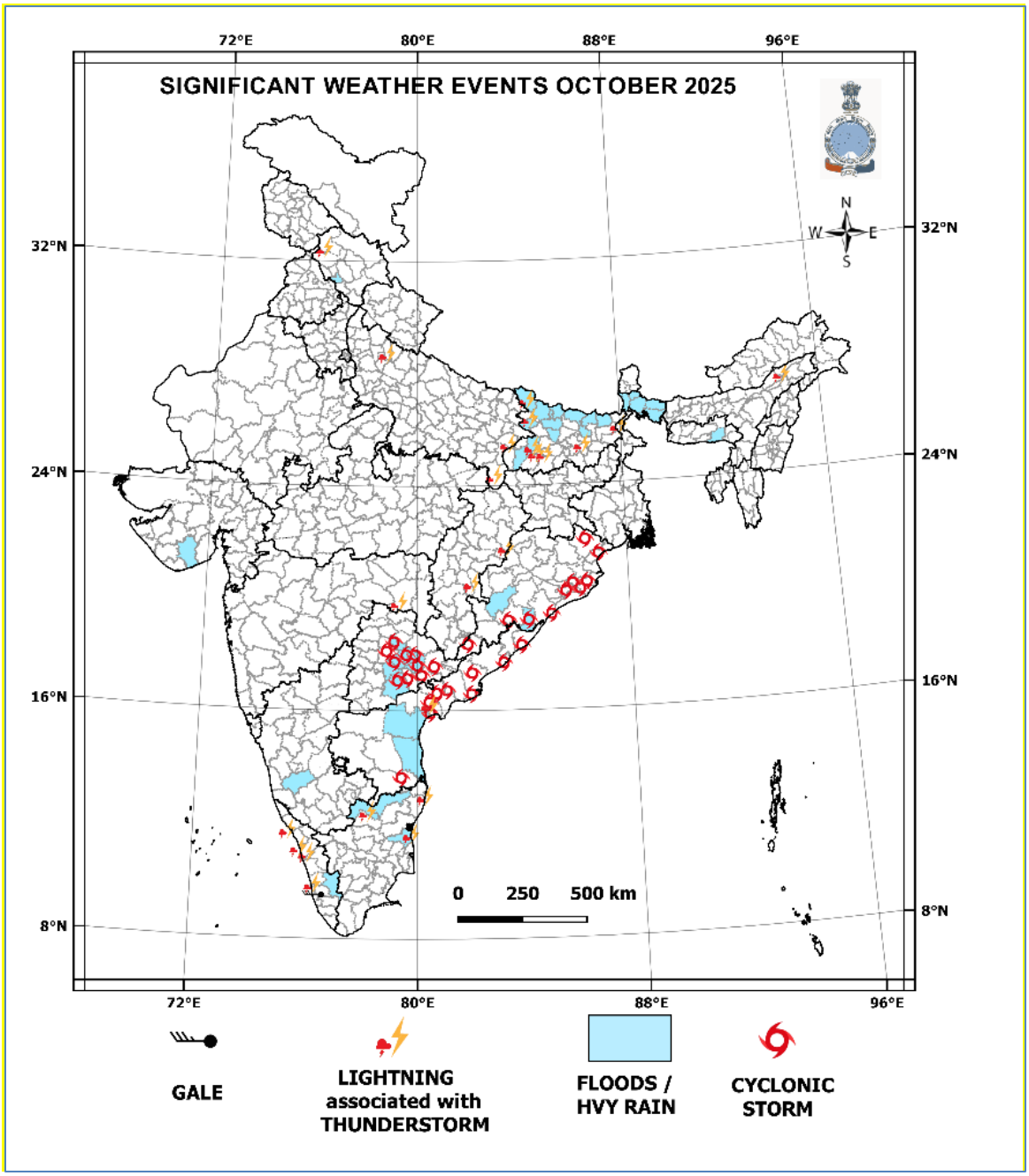


Fig. 3

Source: IMD, Climate Summary for the month of October 2025

centred near Lat. 3.7° N & Long. 99.2° E over the Strait of Malacca at 0830 hrs. IST of 27th. It moved nearly eastwards & weakened into a Depression and lay centred over the same region near Lat. 3.6° N and Long. 99.8° E at 1130 hrs. IST of 27th. It further moved nearly eastwards and lay centred over the Strait of Malacca & adjoining Malaysia near Lat. 3.6° N & Long. 100.7°E at 1730 hrs. IST of 27th. It weakened into a Well Marked Low Pressure Area over the same region at 2330 hrs. IST of 27th. It moved away from the region at 0000 hrs. IST of 28th November 2025.

This system caused extremely heavy rains, flash floods and landslides in Indonesia and Malaysia, as per media reports leading to loss of lives and properties. Maximum sustained wind speed reaching 70-80 gusting to 90 kmph prevailed over the Strait of Malacca and along & off adjoining Indonesia. No adverse weather was observed

over the Andaman and Nicobar Islands in association with this system, though the sea condition remained rough to very rough.

(2) Cyclonic Storm 'DITWAH' over the Bay of Bengal (26 November- 3 December 2025)

Under the influence of upper air cyclonic circulation over Comorin area and neighbourhood, a Low Pressure Area formed over Comorin and adjoining areas of southwest Bay of Bengal & Sri Lanka at 0530 hrs. IST of 25th. It lay as a Well Marked Low Pressure Area over southwest Bay of Bengal and adjoining areas of southeast Sri Lanka & Equatorial Indian Ocean at 0530 hrs. IST of 26th and intensified into a Depression and lay centered over southwest Bay of Bengal and adjoining Sri Lanka coast near Lat. 5.9° N & Long. 82.6° E at 2330 hrs IST of 26th. It moved north – northwestwards and further intensified into a Deep Depression and lay centered over the same region near Lat. 6.3° N & Long. 82.4° E, at 0530 hrs IST of 27th. It moved north – northwestwards & intensified into the Cyclonic Storm 'Ditwah' (Pronunciation: Ditwah) and lay centered over the same region near Lat. 6.9° N & Long. 81.9° E, close east of Pottuvil (Sri Lanka) at 1130 hrs IST of 27th. It further moved north-northwestwards and then northwards and lay centered over coastal Sri Lanka and adjoining southwest Bay of Bengal from 1430 hrs IST of 27th to 1730 hrs IST of 28th. It moved north-northwestwards and lay centered over the southwest Bay of Bengal and adjoining north Sri Lanka, near Lat. 9.4° N & Long. 80.7° E at 0530 hrs IST of 29th. It moved nearly northwards and lay centered over southwest Bay of Bengal and adjoining north Sri Lanka & Tamil Nadu coasts, near Lat. 10.4° N & Long. 80.6° E at 1730 hrs IST of 29th. It moved nearly northwards and lay over southwest Bay of Bengal and adjoining North Tamil Nadu- Puducherry coasts, near Lat. 10.7° N & Long. 80.6° E at 2330 hrs IST of 29th. It moved nearly northwards and lay centered over the same region, near Lat. 11.4°N and Long. 80.6° E, about 100 km east-southeast of Cuddalore (India), at 0830 hrs IST of 30th. The minimum distance of the centre of the cyclone from north Tamil Nadu-Puducherry coasts is about 70km. It moved northwards & weakened into a Deep Depression and lay centered over the same region, near Lat. 11.8° N & Long. 80.6° E at 1730 hrs IST of 30th. It moved northwards and lay centered over southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, north Tamil Nadu-Puducherry & south Andhra Pradesh coasts, near Lat. 12.8° N & Long. 80.6° E at 0530 hrs IST of 1st December. It moved slowly northwards and lay centered over southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, north Tamil Nadu-Puducherry & south Andhra Pradesh coasts, near Lat. 12.8° N & Long. 80.6° E at 0830 hrs IST of 1st December. It recurved slowly southwestwards & weakened into a Depression and lay centered over the southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, north Tamil Nadu, Puducherry & south Andhra Pradesh coasts, near Lat. 12.9° N & Long. 80.5° E at 0530 hrs IST 2nd. It moved slowly south-southwestwards and lay centered over the same region, near Lat. 12.8° N & Long. 80.5° E, about 40 km east-southeast of Chennai (India), at 0830 hrs IST of 2nd December. The minimum distance of the Centre of the Depression from north Tamil Nadu-Puducherry coasts is about 25 km. It moved slowly south - southwestwards and lay centered over southwest Bay of Bengal and adjoining north Tamil Nadu & Puducherry coasts, near Lat. 12.3° N & Long. 80.3° E at 1730 hrs IST of 2nd. It moved slowly southwestwards and weakened into a Well Marked Low Pressure area over north Tamil Nadu - Puducherry coasts and neighbourhood at 0530 hrs IST of 03rd. It lay over Tamil Nadu at 0830 hrs IST of 3rd. It lay as a Low Pressure Area over the same region at 1730 hrs IST of 3rd & became less marked at 0530 hrs IST of 4th December.

This system caused extremely heavy rains and landslides in Sri Lanka during 26th to 28th Nov. Over Tamil Nadu, heavy to very rainfall at some places and extremely heavy rainfall (≥ 20 cm) at isolated places was observed on 28th, 29th November & 1st December and heavy to very heavy rainfall at isolated places on 2nd December. Heavy to very heavy rainfall at some places with isolated extremely heavy rainfall occurred over Coastal Andhra Pradesh & Rayalaseema on 2nd December.

3.2.2. *Weather and associated synoptic features*

A summary of the synoptic systems for the month of November 2025 are given in Table 3. The sub-divisionwise percentage departure of rainfall from normal and the significant amount of rainfall during the month are given in Tables 1 and 5 respectively. Two cyclonic storm, 1 well marked low pressure area and one low pressure area, 2 western disturbances, 1 induced cyclonic circulation, 23 upper air cyclonic circulations and 2 troughs affected the weather over the country during the month of October.

Rainfall realized over the country as a whole was 57% of its LPA during November 2025. It was 109% of its LPA over East & Northeast India, 56% of its LPA over South Peninsula, 49% of its LPA over Central India, and 22% of its LPA over Northwest India. homogenous region of central India and South Peninsula received deficient rainfall while Northwest India was large deficient. East & Northeast India received normal rainfall while country as a whole was deficient.

During the month, northeast monsoon rainfall activity over the core region of the south peninsula (comprising five subdivisions: Coastal Andhra Pradesh & Yenam, Rayalaseema, Tamil Nadu & Puducherry, Karaikal, South Interior Karnataka, and Kerala & Mahe) as a whole was below normal. Except for Tamil Nadu, Puducherry & Karaikal, all the remaining sub-divisions received deficient/or large-deficient rainfall. For November 2025, rainfall over the south peninsula (northeast monsoon core region) was 57% of its Long Period Average (LPA) value.

In November, Out of 36 meteorological sub-divisions, 4 received large excess, six received normal, seven received deficient and 19 sub-divisions received largely deficient rainfall.

During the 1st week of the month, heavy to very heavy rainfall spell over Gujarat and Maharashtra coast due to very slow movement of Depression from eastcentral to northeast Arabian Sea during 30th October – 3rd November and strengthening of associated southerly/southeasterly winds along the coasts. Also, low pressure system over Bay of Bengal, Myanmar & Bangladesh coasts caused heavy rainfall at isolated places over Tripura. Towards the end of week, season's first spell of dense to moderate fog was observed at isolated pockets of Western Himalayan Region, west and northeast India.
During the 2nd week of the month, Season's first spell of cold to severe cold wave conditions observed over parts of northwest and adjoining central & northern India during the week. By the middle of the week, cold wave conditions intensified into severe cold wave affecting parts of central India, while cold wave spread more widely across adjoining northern India. Toward the end of the week, severe cold wave conditions persisted in central India and adjoining regions, accompanied by continued cold wave activity elsewhere, along with some cold day conditions in parts of central India. Dense fog was observed at isolated places over Assam & Meghalaya, Himachal Pradesh at the beginning of week and over Odisha towards the end of week.

During the 3rd week, In association with the formation of low pressure area over southwest Bay of Bengal off Sri Lanka coast and its west-northwestwards movement to Lakshadweep Islands & adjoining Maldives area across Comorin area & neighbourhood, an isolated heavy / very heavy rainfall was observed over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Rayalaseema during second half of the week with an isolated extremely heavy rainfall observed over Tamil Nadu, Puducherry & Karaikal at the end of week. Heavy rainfall was also recorded at isolated places over Lakshadweep, Kerala & Mahe, Rayalaseema.

During the 4th week, under the influence of an upper air cyclonic circulation over Comorin area & neighbourhood, a low pressure area formed over Comorin and adjoining areas of southwest Bay of Bengal & Sri Lanka on 25th November morning and lay over southwest Bay of Bengal and adjoining areas of south Sri Lanka & equatorial Indian Ocean on 25th. It lay as a well marked low pressure area over southwest Bay of Bengal and adjoining areas of southeast Sri-Lanka & Equatorial Indian Ocean on 26th morning which persisted over the same region on 26th November. Heavy to very heavy rainfall spell from previous week continued over extreme south peninsular India during the week due to presence of above two low pressure areas over the region. A Cyclonic Storm "Senyar" (Pronunciation: 'Sen-yar') over Strait of Malacca and adjoining northeast Indonesia, caused flash floods and landslides over north Sumatra.

Cyclonic Storm "Ditwah", caused heavy to very heavy rainfall over south peninsular India with isolated extremely heavy rainfall over Tamil Nadu, Puducherry & Karaikal, coastal Andhra Pradesh & Yanam and Rayalaseema during the week. It also caused severe flooding, landslides and mudslides leading to casualties over Sri Lanka.

Season's 1st spell of cold to severe cold wave conditions was observed at isolated pockets over west, central & adjoining east India, mainly over northeast Rajasthan, south Haryana, north Madhya Pradesh, south Uttar Pradesh and north Chhattisgarh during 8-18 November 2025 and over north interior Maharashtra on 15 and 20 November 2025. Severe Cold Wave / Cold Wave continued to prevail over west & central India till 21st November which abated thereafter. Whereas, a fresh spell of Cold Wave condition was observed at isolated places over Punjab, Jharkhand on 26th November. Dense Fog cases were highly subdued during the month, with 2-6 days reported from isolated pockets (2-3 Stations) over northern parts of Uttar Pradesh, Odisha, and Himachal Pradesh.

During November 2025, weak La Niña conditions prevail over the equatorial Pacific region and negative Indian Ocean Dipole (IOD) conditions were prevailing over the Indian Ocean. sea surface temperatures (SSTs) were below normal in the central and east-central Pacific Ocean. Cool SSTs were observed in the Arabian Sea and warm SSTs over the northern Bay of Bengal.

3.2.3. *Temperature*

The maximum temperature was below normal over most parts of the country, except some parts of east & northeast India, north India, south peninsular India and

both the islands. Maximum temperature anomaly was more than 1oC over parts of Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Gangatic West Bengal, Mizoram, Tripura, Coastal Andhra Pradesh & Yanam and Andaman & Nicobar Islands. The maximum temperature anomaly was less than -2 °C over parts of East Rajasthan, the extreme southern part of Uttar Pradesh, Madhya Pradesh, Vidarbha, Gujarat region and northern Madhya Maharashtra. The maximum temperature anomaly was less than -3 °C over parts of north Madhya Pradesh and Maharashtra.

The minimum temperature was below normal over most parts of the country, except in some areas of east & northeast India, south peninsular India, Saurashtra & Kutch, and both the islands. The minimum temperature anomaly was more than 2 °C over parts of northern Bihar. The minimum temperature anomaly was less than -2 °C over parts of Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, central Rajasthan, Madhya Pradesh, Jharkhand and Chhattisgarh.

The highest maximum temperature of 38.0°C was recorded at Bhira (Maharashtra) over the plains of the country on 25th November. The lowest minimum temperature of 4.0°C was recorded at Sikar (Rajasthan) over the plains of the country on 26th November.

3.2.4. *Damages associated with disastrous weather events*

During November, lightning associated with Thunderstorm, 40 livestock, including sheep and goats, perished in the Sangar Dhoke area near Soliyan in Poonch district of UT- Jammu and Kashmir on 4th November. Additionally, the Pakur (Jharkhand) and Cuddalore (Tamil Nadu) districts were affected by extreme heavy rains during November.

Fig. 4 shows significant weather events during the month of November 2025 (based on real time media reports).

3.3. *December*

3.3.1. *Storms and Depressions*

No intense low-pressure system formed during the month.

3.3.2. *Weather and associated synoptic features*

Table 4 gives a summary of the synoptic systems during the month of December 2025. No intense low-pressure system formed during the month. 11 western disturbances (including 2 as a upper air cyclonic circulation, 7 as a troughs & 2 induced cyclonic circulations), 20 upper air cyclonic circulations and 5 troughs affected the weather over the country during the month of October. The sub-division wise percentage departure of rainfall from normal and the significant amounts of rainfall during the month are given in Tables 1 and 5 respectively.

Rainfall realized over the country as a whole was 31% of its LPA during December 2025. It was 63% of its LPA over the south peninsula, 15% of its LPA over northwest India, 5% of its LPA over east & northeast India and 1% of its LPA over central India. Out of 36 meteorological sub-divisions, one received excess, 2 received normal, 3 received deficient, 15 received large deficient and 15 sub-divisions did not receive any rainfall during the month.

In December 2025, the eastcentral and eastern Pacific Ocean experienced below-average sea surface temperatures (SSTs), while the western equatorial Pacific recorded above-average SSTs. The eastern equatorial Indian Ocean experienced warmer-than-average sea surface temperatures (SSTs), while near-average SSTs prevailed over the western Indian Ocean. The Arabian Sea recorded cooler SSTs, whereas the northern Bay of Bengal experienced warmer SSTs. Sea surface temperature anomalies were negative over all the NINO regions and weak La Niña conditions are present over the equatorial Pacific Ocean.

During December 2025, a cold waves were observed over parts of Chhattisgarh, West Madhya Pradesh, Punjab for 8-15 days, over parts of Himachal Pradesh, Haryana, Chandigarh & Delhi, Odisha, Telangana, Madhya Maharashtra, Vidarbha, East Madhya Pradesh, Jharkhand, East Uttar Pradesh, and North Interior Karnataka for 1- 7 days. During December 2025, 26 days of dense to very dense fog were reported over Odisha, especially Rourkela. 15-26 days of dense fog to very dense fog prevailed mainly over the Indo-Gangetic Plains, covering Punjab, Haryana, Uttar Pradesh and Assam, parts of the western Himalayan region, covering Himachal Pradesh and Uttarakhand. Madhya Pradesh, Bihar, Nagaland, Manipur, Mizoram & Tripura reported 10-14 Days of dense to very dense fog.

During 1st week of the month, Cold Wave conditions continued to prevail over northwest & central India during the week, with Severe Cold Wave conditions observed at isolated places over west Madhya Pradesh during second half of the week and over Odisha at the end of week. Dense to Very Dense Fog continued to prevail over

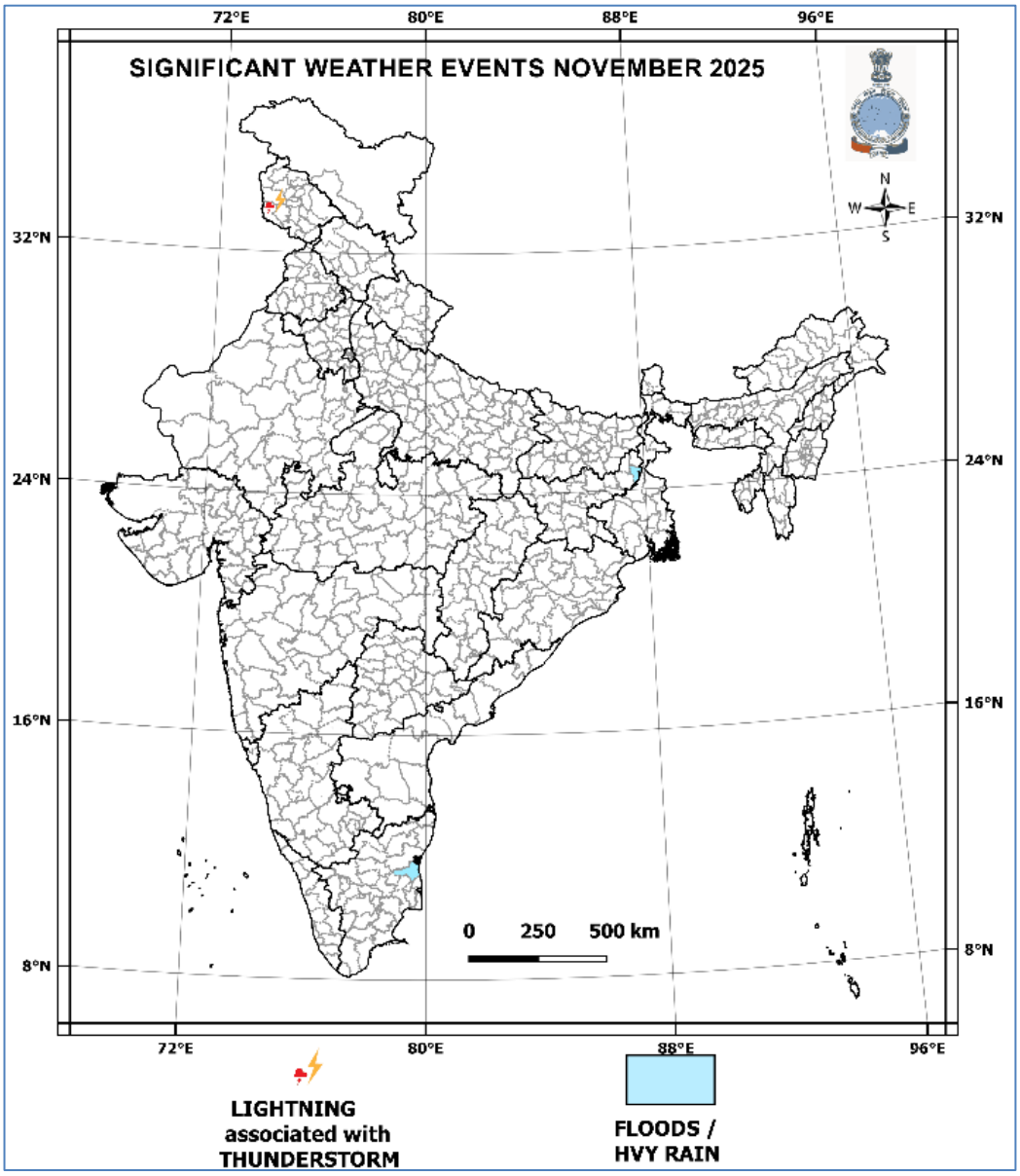


Fig. 4

Source: IMD, Climate Summary for the month of November 2025

isolated pockets of northwest, east and northeast India during the week. Very Dense Fog was also observed at isolated places over east Uttar Pradesh towards the end of week.

The low pressure area (remnant of 'Ditwah') over north Tamil Nadu-Puducherry coasts & neighbourhood became less marked on 4th December. It caused heavy to very heavy rainfall spells at isolated places over south peninsular India with isolated extremely heavy rainfall over Rayalaseema at the beginning of week.

During 2nd week of December, Cold Wave conditions abated from most parts of northwest and central India except over isolated pockets of central India during the week. However, Cold Wave conditions prevailed at isolated places over north Peninsular & adjoining eastern India with Severe Cold Wave conditions prevailed at isolated places over north interior Karnataka during second half of the week. Dense to very dense fog observed at isolated places over northern plains during morning hours for first half of the week. Thereafter, towards mid of week, fog conditions gradually intensified, expanded to larger areas and persisted for longer durations

during night and morning hours across this region. Dense fog also observed at isolated places over northeast India during the week.

During 3rd week of December, Severe Cold Wave conditions prevailed over some parts of north interior Karnataka. Cold wave conditions also observed at isolated places over central and peninsular India. During the week, the large-scale dense fog layer further intensified and persisted across most parts of the Indo-Gangetic Plains on the majority of days. Dense to very dense fog conditions prevailed for extended durations during the night and morning hours, affecting areas from Punjab to Bihar, with Uttar Pradesh and Bihar being the worst-affected States. Dense fog also observed at isolated places over northeast India during the week. In association with the prolonged fog and low cloud covering during most parts of the days, Cold day to Severe Cold day conditions observed over places over Western Himalayan Region and adjoining northern and central India during the week.

During the week, light to moderate snowfall activity was recorded over higher reaches of Western Himalayan Region during second half of the week due to the impact of a slow-moving western disturbances which impacted the Western Himalayan Region. It also caused weakening of fog layer over plains of northwest India towards end of the week. Northeast monsoon rainfall activities continued to remain subdued over southeast Peninsular India during the week due to the absence of any significant weather system impacting the region.

During 4th week of December, large-scale dense fog layer continued to persist across Indo-Gangetic plains of North India on most of the days during the week. In association with the prolonged fog and low cloud covering during most parts of the days across north India, Cold day to Severe Cold day conditions observed over places over Western Himalayan Region and adjoining northern and central India during the week. Cold Wave conditions also observed at isolated places over northern, central & adjoining eastern and peninsular India during the week. Heavy rainfall observed at isolated places over Andaman & Nicobar Islands on 30th December due to the presence of trough in easterlies over southeast Bay of Bengal at the lower tropospheric level. Northeast monsoon rainfall activities continued to remain subdued over southeast Peninsular India during the week due to the absence of any significant weather system impacting the region.

3.3.3. *Temperature*

In December 2025, the maximum temperature over the country as a whole was 25.7 ºC with an anomaly of -0.1ºC and the minimum temperature was the 5th highest (13.2 ºC with an anomaly of 0.9 ºC) since 1901. In December 2025, the mean temperature over the country was 19.05 °C with an anomaly of 0.01 °C, ranking 30th highest since 1901. Among the four homogeneous regions, the mean temperature in northwest India was the 4th highest (15.12 °C, with an anomaly of 0.86 °C) since 1901, after 1953 (15.76 °C), 2016 (15.58 °C), and 2008 (15.48 °C).

The maximum temperature anomaly was more than 2 ºC over parts of Jammu, Kashmir & Ladakh, Himachal Pradesh, Uttarakhand, Saurashtra & Kutch, Sikkim state and West Rajasthan. The maximum temperature anomaly was less than -2 °C over parts of Uttar Pradesh, Bihar, Jharkhand, the Ganges West Bengal, and northern Madhya Pradesh.

The minimum temperature was also below normal over most parts of the country, except some parts of northwest India, east & northeast India, eastern central India, and Andaman & Nicobar Islands. The minimum temperature anomaly was more than 2 ºC over parts of Jammu, Kashmir & Ladakh, Himachal Pradesh, Punjab, West Rajasthan, Bihar and Gujarat region. The minimum temperature anomaly was less than -3 °C over parts of Madhya Pradesh, northern Chhattisgarh, and Vidarbha.

The highest maximum temperature of 39.5 °C was recorded at Karwar (coastal Karnataka) on 13th December and kannur& Kottayam (Kerala) 18 December over the plains of the country. The lowest minimum temperature of 3.0 °C was recorded at Nowgong (Madhya Pradesh) over the plains of the country on 26th December.

3.3.4. *Damages associated with the Disastrous weather events:*

Fig. 5 shows significant weather events during the month of December 2025 (based on real time media reports).

During December 2025, 2 people reportedly died, 3 people were injured, and more than 580 livestock perished due to Cyclonic Storm DITWAH. Tiruvallur (Tamil Nadu) district was affected due to Extremely Heavy Rains.

Acknowledgments

The inputs from the Offices of India Meteorological Department *viz*., (1) Director General of Meteorology (Hydromet), New Delhi and (2) Climate Research and Services, Pune are gratefully acknowledged. Thanks are due to Shri Abhinav Arora S.A. for his assistance in preparation of map.

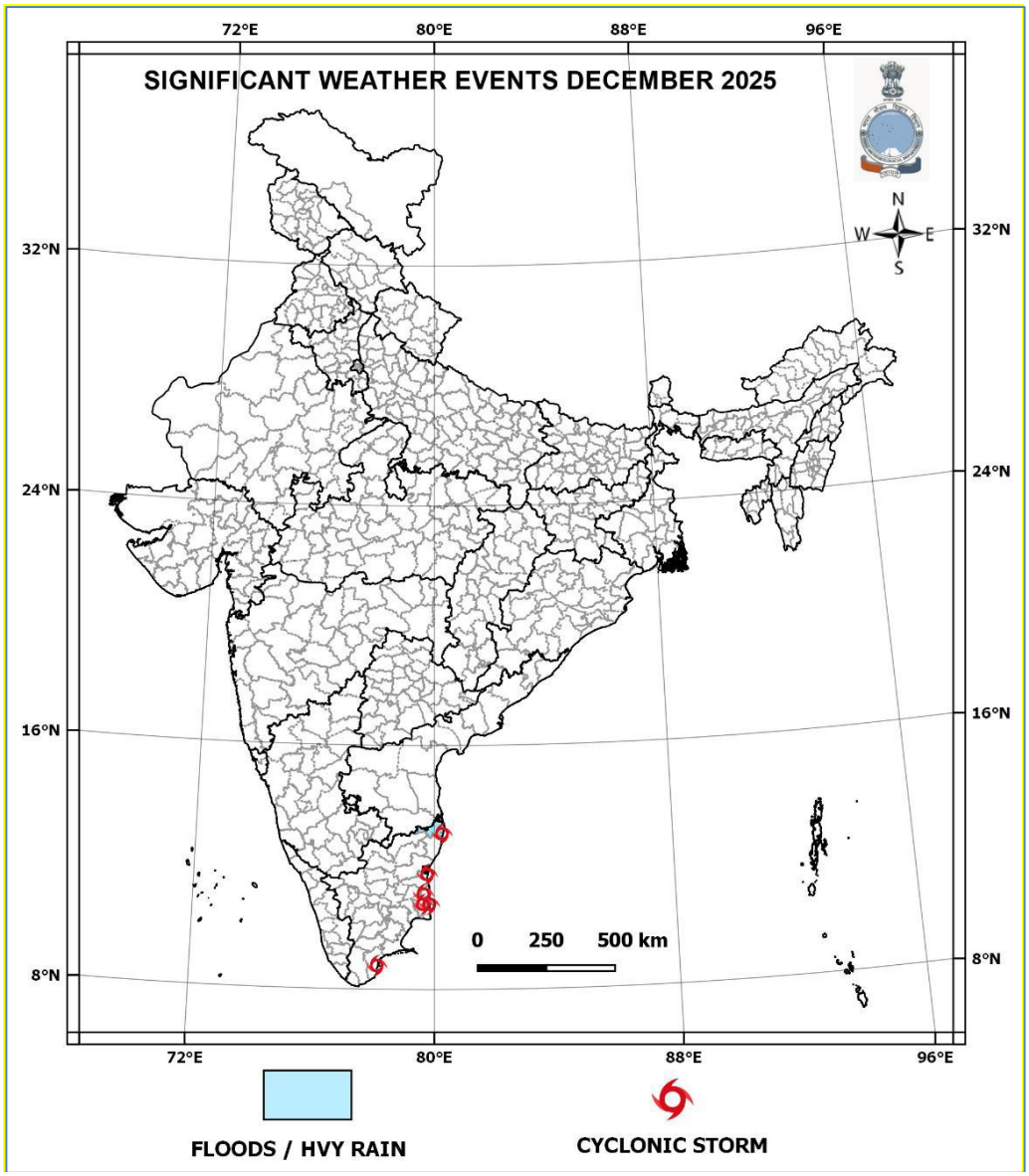


Fig. 5.

Source: IMD, Climate Summary for the month of December 2025

Appendix

Definitions of the terms given in '*Italics*'

Rainfall	
Large Excess	*percentage departure from normal is + 60% or more.*
Excess	*percentage departure from normal is + 20% or more.*
Normal	*percentage departure from normal is – 19 % to + 19 %*
Deficient	*percentage departure from normal is – 20 % to – 59 %.*
Large Deficient	*percentage departure from normal is – 60 % to – 99 %.*
Scanty	*percentage departure from normal is – 60 % to – 99 %.*
Extremely heavy rain	*rainfall during the 24 hours period, ending at 0300 UTC 20.5 cm and above.*
Very heavy rain	*rainfall during the 24 hours period, ending at 0300 UTC, from 11.6 cm to 20.4 cm.*
Heavy rain	*rainfall during the 24 hours period, ending at 0300 UTC, from 6.5 cm to 11.5*

	cm.
Heavy snowfall	*Snowfall during the 24 hours period, ending at t 0300 UTC, 64.5 cm to 115.5 cm*
At most places (widespread):	*76 % or more stations of a meteorological sub-division reporting at least 0.1 mm rainfall.*
At many places (Fairly widespread)*:*	*51% to 75 % stations of a meteorological sub-division reporting at least 0.1 mm rainfall.*
At a few places (Scattered):	*26 % to 50 % stations of a meteorological sub-division reporting at least 0.1 mm rainfall.*
At isolated places (Isolated):	*25% or less stations of a meteorological sub-division reporting at least 0.1 mm rainfall.*
Monsoon Activity	
(a) Southwest monsoon	
Vigorous	*rainfall exceeding 4 times the normal with, at least two stations reporting rainfall more than or equal to 8 cm along the west coast and 5 cm elsewhere. Rainfall in that sub-division should be fairly widespread or widespread.*
Active	*rainfall more than 1½ to 4 times the normal, with at least two stations reporting rainfall more than or equal to 5 cm along the west coast and 3 cm elsewhere. Rainfall in that sub-division should be fairly widespread or widespread.*
(b) Northeast monsoon	
Vigorous	*rainfall exceeding 4 times the normal with at least two stations reporting rainfall more than or equal to 5 cm in coastal Tamil Nadu and south coastal Andhra Pradesh and 3 cm elsewhere in the northeast monsoon region. Rainfall in that sub-division should be fairly widespread or widespread.*
Active	*rainfall more than 1½ to 4 times the normal, with at least two stations reporting rainfall more than or equal to 3 cm in coastal Tamil Nadu and south coastal Andhra Pradesh and 2 cm elsewhere in the northeast monsoon region. Rainfall in that subdivision should be fairly widespread or widespread.*
	Temperature
(a) Maximum/day temperatures:	
Markedly above normal	*when the departure from normal is +5 °C or more*
Appreciably above normal	*when the departure from normal is +3.1 °C to +5.0 °C*
Above normal	*when the departure from normal is +1.6º C to 3.0 °C*
Normal	***when the*** *departure from normal is +1.5 °C to –1.5 °C.*
(b) Minimum / Night temperature	
Based on the revised criteria which came into practice with effect from 2016, cold waves are declared based on the actual minimum temperatures. Cold wave is considered when the minimum temperature of a station is 10 °C or less for plains and 0 °C or less for hilly regions. Also, to declare cold wave, the criteria should be met at least in 2 stations in a met subdivision for at least 2 consecutive days.	
Severe cold wave conditions	*When the negative departure of minimum temperature from normal is less than 6.4 °C or when the actual minimum temperature is ≤ 2 °C over the plains.*
Cold wave conditions	*When the negative departure of minimum temperature from normal is 4.5 °C to 6.4 °C or when the actual minimum temperature is ≤ 4 °C over the plains. For stations located over the coastal areas, when the minimum temperature departure is -4.5 ˚C or less, 'Cold Wave' may be described if the actual minimum temperature is 15 ºC or less.*
Cold day to severe cold day conditions	*When the minimum temperature is 10 ºC or less for plains and 0°C or less for hilly regions. Cold day may be described if the departure of maximum temperature is -4.5 °C to -6.4 °C and severe cold day when it is less than 6.4 °C.*
Markedly below normal	*when the departure from normal is –5 ºC or less*
Appreciably below normal	*when the departure from normal is between –3.1 ºC to –5.0 ºC*
Below normal	*when the departure from normal is – -1.6 ºC to -3.0 °C.*
Normal	*departure from normal is -1.5 ºC to +1.5 ºC.*