



ALL INDIA WEEKLY WEATHER REPORT
08-14 FEBRUARY 2018

[Table-1\(A\)](#) [Table-1\(B\)](#) [Table-1\(C\)](#) [Table-2](#) [Table-3](#) [Fig-1](#) [Fig-2](#) [Annexure-1](#)

SIGNIFICANT WEATHER FEATURES

Rainfall

Interaction of low level easterlies with an active western disturbance and also due to the presence of an induced cyclonic circulation over West Rajasthan & neighbourhood, widespread rain/snow occurred over Jammu & Kashmir, Himachal Pradesh and Uttarakhand on 12th and 13th February with isolated heavy falls over Jammu & Kashmir on 13th. In addition to this, fairly widespread to widespread rainfall activity had been observed over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Chhattisgarh and Vidarbha and scattered to fairly widespread rainfall activity was observed over East Uttar Pradesh on 13th and 14th February.

Thunderstorm Activity

Thunderstorm accompanied with hailstorm had been observed over Vidarbha, Marathwada, Chattisgarh and East Madhya Pradesh during 11-12 February 2018.

Fog

Dense to very dense fog observed at a few places over Haryana and at isolated places over Chandigarh and Delhi, Madhya Pradesh, north Rajasthan, Odisha and Tripura on one to two days during the week.

Cold Wave

Cold wave conditions prevailed at isolated places over Punjab, Haryana and north Rajasthan on one day during the week.

The lowest minimum temperature of 3.0 °C was recorded at Sikar (East Rajasthan) in the plains of northwest India on 08th February 2018.

The lowest maximum temperature of 15.6° C was recorded at Hardoi (West Uttar Pradesh) in the plains of northwest India on 12th February 2018.

LEGEND: Few days-(3 days), Many days-4 to 5 days and Most days-6 to 7 days during the week.

METEOROLOGICAL ANALYSIS

- Last week's Western Disturbance as a trough in mid & upper tropospheric westerlies lay as an upper air cyclonic circulation over north Pakistan & neighbourhood at 3.1 km above mean sea level on 08th February and over Jammu & Kashmir and neighbourhood in the evening of the same day and moved away north-eastwards on 09th February.
- Last week's trough of low at mean sea level over South West Bay of Bengal and neighbourhood lay over South West Bay of Bengal and adjoining Sri Lanka on 08th February. It lay over South West Bay of Bengal and adjoining south Sri Lanka on 09th and has become less marked on 10th.
- Last week's induced cyclonic circulation over Punjab & neighbourhood at 0.9 km above mean sea level has become less marked 08th February.
- Last week's the cyclonic circulation extending up to 1.5 km above mean sea level over Konkan & neighbourhood has become less marked on 08th February.
- Last week's the trough of low at mean sea level from Maldives area to east-central Arabian Sea off Karnataka coast moved away westwards on 08th February.
- A cyclonic circulation extending up to 0.9 km above mean sea level lay over southwest Madhya Pradesh & neighbourhood on 8th February and has become less marked 9th.
- A fresh Western Disturbance as a cyclonic circulation at 3.1 km above mean sea level lay over eastern parts of Iran & adjoining Afghanistan with a trough aloft with its axis at 5.8 km above mean sea level running roughly along Longitude 55°E to the north of Latitude 32°N on 08th February. It lay as a cyclonic circulation at 3.1 km above sea level over central parts of Afghanistan with the trough aloft at 5.8 km above sea level running roughly along Longitude 62°E to the north of Latitude 30°N on 09th. It continued to lay as a cyclonic circulation over eastern parts of Afghanistan and adjoining Pakistan with the trough aloft with its axis at 5.8 km above mean sea level roughly along Longitude 66°E to the north of Latitude 26°N on 10th. It persisted as a cyclonic circulation at the same level over the same region with the trough aloft running roughly along Longitude 66°E to the north of Latitude 22°N on 11th. It persisted as a cyclonic circulation at 3.1 km above sea level over Pakistan & adjoining East Afghanistan with the trough aloft in mid & upper tropospheric westerlies roughly along Longitude 68°E to the north of Latitude 22°N on 12th; It lay as a

trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Longitude 72°E to the north of Latitude 28°N on 13th which ran roughly along Longitude 84°E to the north of Latitude 22°N on 14th.

- A cyclonic circulation extending upto 0.9 km above mean sea level lay over West Rajasthan & neighbourhood on 09th & 10th February and has become less marked on 11th.
- Another cyclonic circulation extending upto 0.9 km above mean sea level lay over Jharkhand and adjoining areas of north Odisha and Gangetic West Bengal on 09th February and has become less marked on 10th.
- A trough of low at mean sea level lay over South East Arabian Sea off Kerala coast on 09th and it persisted over the same region till 13th February and became less marked on 14th.
- An induced cyclonic circulation lay over south Pakistan & neighbourhood and extended upto 2.1 km above mean sea level on 10th February. It lay over south Pakistan and adjoining West Rajasthan extending up to 2.1 km above sea level on 11th; over West Rajasthan & neighbourhood and extended upto 0.9 km above mean sea level on 12th; over northeast Rajasthan & neighbourhood extending up to 0.9 km above sea level on 13th and became less marked on 14th.
- A cyclonic circulation lay over East Bangladesh and neighbourhood and extended upto 1.5 km above mean sea level 11th February. It lay over south Assam & neighbourhood at 1.5 km above sea level on 12th & 13th and over Nagaland, Manipur, Mizoram & Tripura and neighbourhood extending up to 1.5 km above sea level on 14th.
- A cyclonic circulation lay over south Maharashtra & neighbourhood and extended upto 0.9 km above mean sea level 11th February. It lay over Marathwada & neighbourhood extending up to 0.9 km above sea level on 12th & 13th and has become less marked on 14th.
- A Western Disturbance as a trough in mid tropospheric westerlies with its axis at 3.1 km above mean sea level ran roughly along Longitude 64°E to the north of Latitude 30°N on 13th February and roughly along Longitude 66°E to the north of Latitude 30°N on 14th.
- A trough of low at mean sea level lay over South East Bay of Bengal & adjoining Equatorial Indian Ocean on 13th February and has become less marked on 14th.
- A feeble trough in low level easterlies lay over Lakshadweep area and extended upto 0.9 Km above mean sea level on 14th February.
- A cyclonic circulation lay over Gujarat region and neighbourhood at 3.1 Km above mean sea level on 14th February.

RAINFALL SUMMARY

Rainfall During The Week (08-14 February 2018)

Rainfall was large-excess in **14**, excess in **4**, normal in **1**, deficient/large-deficient in **12** and no rain in **5** out of **36** meteorological sub-divisions. (All India Actual: **8.5** mm, Normal: **4.8** mm and Departure: **+76%**).

Cumulative Seasonal Rainfall (01 January to 14 February 2018)

Rainfall was large-excess in **5**, normal in **2**, deficient/large-deficient in **27** and no rain in **2** out of **36** meteorological sub-divisions. (All India Actual: **12.0** mm, Normal: **28.8** mm and Departure: **-58%**).

- Sub-division wise weekly and seasonal rainfall distribution is presented in [Fig-1](#) and [Fig-2](#).
- Sub-divisionwise daily distribution of realised rainfall is shown in [Table-1\(A\)](#).
- Sub-divisionwise daily distribution of realised minimum temperature is shown in [Table-1\(C\)](#)
- Statewise distribution of number of districts with Large-Excesse, Excess, Normal, Deficient, Large-deficient and no rainfall is shown in [Table-2](#).
- A comparative data of cumulative seasonal rainfall during the corresponding period in the last five years is given in [Table-3](#).
- Sub-divisionwise realised weekly rainfall (in cm) is shown in [Annexure-1](#).

METEOROLOGICAL ANALYSIS AS ON 15 FEBRUARY 2018

- The Western Disturbance as a trough in midtropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Longitude 94°E to the north of Latitude 22°N persists.
- The other Western Disturbance as a trough in mid tropospheric westerlies with its axis at 3.1 km above mean sea level roughly along Longitude 68°E to the north of Latitude 30°N persists.
- A fresh Western disturbance is likely to affect Western Himalayan region from 20th February onwards.

FORECAST & WARNING FOR THE NEXT WEEK 15 FEBRUARY TO 21 FEBRUARY 2018

- Detailed seven days Sub-division wise rainfall-forecast & weather-warning is given in [Table-1\(B\)](#).

Table-1 (A)

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2018								
S.No.	MET.SUB-DIVISIONS	08 FEB	09 FEB	10 FEB	11 FEB	12 FEB	13 FEB	14 FEB
1	ANDAMAN & NICO.ISLANDS	D	D	D	D	D	D	ISOL
2	ARUNACHAL PRADESH	FWS	SCT	SCT	ISOL	D	D	D
3	ASSAM & MEGHALAYA	ISOL	ISOL	D	D	D	D	D
4	NAGA.MANI.MIZO.& TRIPURA	D	D	D	D	D	D	D
5	SUB-HIM.W. BENG. & SIKKIM	D	D	D	D	D	D	D
6	GANGETIC WEST BENGAL	D	D	D	D	D	D	D
7	ODISHA	D	D	D	D	ISOL	D	ISOL
8	JHARKHAND	D	ISOL	ISOL	D	ISOL	ISOL	ISOL
9	BIHAR	D	D	D	D	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	D	D	D	ISOL	SCT	ISOL
11	WEST UTTAR PRADESH	D	D	D	D	SCT	SCT	D
12	UTTARAKHAND	D	D	D	D	SCT	WS	SCT
13	HARYANA CHD. & DELHI	D	D	D	D	SCT	ISOL	D
14	PUNJAB	D	D	D	D	WS	SCT	D
15	HIMACHAL PRADESH	D	D	D	D	WS	WS	SCT
16	JAMMU & KASHMIR	D	D	D	D	WS	WS	WS
17	WEST RAJASTHAN	D	D	D	D	D	ISOL	D
18	EAST RAJASTHAN	D	D	D	D	ISOL	ISOL	D
19	WEST MADHYA PRADESH	D	D	D	ISOL	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	D	D	D	D	WS	FWS	SCT
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	D	D
23	KONKAN & GOA	ISOL	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	D	D	D	ISOL	ISOL	ISOL	D
25	MARATHAWADA	D	D	D	ISOL	SCT	SCT	ISOL
26	VIDARBHA	D	D	D	ISOL	WS	FWS	FWS
27	CHHATTISGARH	ISOL	D	D	D	FWS	SCT	FWS
28	COASTAL ANDHRA PRADESH	ISOL	D	D	D	D	D	D
29	TELANGANA	D	D	ISOL	D	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	D	D	ISOL	D	D	D
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	ISOL	D	ISOL	D	D
32	COASTAL KARNATAKA	ISOL	D	ISOL	ISOL	D	D	D
33	NORTH INT.KARNATAKA	ISOL	D	D	ISOL	ISOL	ISOL	D
34	SOUTH INT.KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	D	D
35	KERALA	ISOL	SCT	SCT	D	ISOL	D	D
36	LAKSHADWEEP	WS	D	D	D	D	SCT	D
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)					
SCT	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)	D/DRY	NO STATION REPORTED RAINFALL			
* ACTIVE (R/F $1\frac{1}{2}$- 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)								
** VIGOROUS (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								

Table-1 (B)

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018								
Sr. No	MET.SUB-DIVISIONS	15 FEB	16 FEB	17 FEB	18 FEB	19 FEB	20 FEB	21 FEB
1	ANDAMAN & NICO.ISLANDS	D	D	D	D	D	SCT	SCT
2	ARUNACHAL PRADESH	ISOL	D	D	D	D	D	D
3	ASSAM & MEGHALAYA	ISOL	D	D	D	D	D	D
4	NAGA.MANI.MIZO.& TRIPURA	D	D	D	D	D	D	D
5	SUB-HIM.W. BENG. & SIKKIM	D	D	D	D	D	D	D
6	GANGETIC WEST BENGAL	D	D	D	D	D	D	D
7	ODISHA	D	D	D	D	D	D	D
8	JHARKHAND	D	D	D	D	D	D	D
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	D	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	D	D	D	D	D
12	UTTARAKHAND	D	D	D	D	D	D	D
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	D
14	PUNJAB	D	D	D	D	D	D	D
15	HIMACHAL PRADESH	ISOL	D	D	D	D	D	ISOL
16	JAMMU & KASHMIR	SCT	ISOL	D	D	D	ISOL	SCT
17	WEST RAJASTHAN	D	D	D	D	D	D	D
18	EAST RAJASTHAN	D	D	D	D	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	D	D	D	D	D
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	D	D
23	KONKAN & GOA	D	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	D	D	D	D	D	D	D
25	MARATHAWADA	D	D	D	D	D	D	D
26	VIDARBHA	D	D	D	D	D	D	D
27	CHHATTISGARH	D	D	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	D	D	D	D	D	D	D
29	TELANGANA	D	D	D	D	D	D	D
30	RAYALASEEMA	D	D	D	D	D	D	D
31	TAMILNADU & PUDUCHERRY	ISOL	D	D	D	D	D	D
32	COASTAL KARNATAKA	D	D	D	D	D	D	D
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	D	D	D	D	D	D	D
35	KERALA	D	D	D	D	D	D	D
36	LAKSHADWEEP	D	D	D	D	D	D	D
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)			FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)			
SCT	SCATTERED / FEW PLACES (26% to 50%)			ISOL	ISOLATED (up to 25%)		D/DRY	NIL RAINFALL
* Heavy Rainfall (64.5-115.5 mm)			* Heavy to Very Heavy Rainfall (115.6-204.4 mm)			** Extremely Heavy Rainfall (204.5 mm or more)		
• FOG		* SNOWFALL		# HAILSTORM		⚡ HEAT WAVE		⚡ SEVERE HEAT WAVE
§ THUNDER SQUALL		D ^S /T ^S DUST/THUNDERSTORM		❄ COLD WAVE		❄ SEVERE COLD WAVE		

Table-1 (C)

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED MINIMUM TEMPERATURE 2018								
Sr.No	MET.SUB-DIVISIONS	08 FEB	09 FEB	10 FEB	11 FEB	12 FEB	13 FEB	14 FEB
1	ANDAMAN & NICO.ISLANDS	N	N	N	N	N	N	N
2	ARUNACHAL PRADESH	N	N	N	N	N	N	N
3	ASSAM & MEGHALAYA	MAN	N	N	N	N	N	N
4	NAGA.MANI.MIZO.& TRIPURA	N	AN	MAN	N	N	AN	N
5	SUB-HIM.W. BENG. & SIKKIM	N	N	N	N	N	N	AAN
6	GANGETIC WEST BENGAL	MAN	N	N	AN	N	N	N
7	ODISHA	N	N	N	AN	N	N	N
8	JHARKHAND	N	AN	N	N	AN	AN	AAN
9	BIHAR	N	N	N	N	N	N	AAN
10	EAST UTTAR PRADESH	N	N	BN	BN	N	N	AAN
11	WEST UTTAR PRADESH	N	N	BN	BN	AN	N	N
12	UTTARAKHAND	N	N	N	N	AAN	N	N
13	HARYANA CHD. & DELHI	BN	BN	BN	N	AAN	N	N
14	PUNJAB	N	N	BN	N	AAN	N	N
15	HIMACHAL PRADESH	N	N	N	N	N	N	BN
16	JAMMU & KASHMIR	N	N	N	N	N	BN	BN
17	WEST RAJASTHAN	N	N	N	MAN	N	AN	N
18	EAST RAJASTHAN	N	N	N	MAN	N	AN	N
19	WEST MADHYA PRADESH	N	N	N	N	N	AN	N
20	EAST MADHYA PRADESH	N	AN	N	N	N	AN	N
21	GUJARAT REGION D.D. & N.H.	N	N	N	AN	N	N	AAN
22	SAURASTRA KUTCH & DIU	N	N	N	AN	N	N	AAN
23	KONKAN & GOA	N	N	N	N	N	N	N
24	MADHYA MAHARASHTRA	N	N	AN	N	N	N	AN
25	MARATHAWADA	N	N	N	N	N	N	N
26	VIDARBHA	N	N	N	AN	N	AN	N
27	CHHATTISGARH	N	AN	N	N	N	AN	N
28	COASTAL ANDHRA PRADESH	AN	N	N	N	N	N	N
29	TELANGANA	N	N	N	N	N	AN	N
30	RAYALASEEMA	AN	N	AN	AN	N	N	N
31	TAMILNADU & PUDUCHERRY	AN	AN	AN	AN	AN	N	N
32	COASTAL KARNATAKA	N	AN	N	N	N	N	N
33	NORTH INT.KARNATAKA	N	AN	N	N	N	N	N
34	SOUTH INT.KARNATAKA	AN	AN	N	AN	N	N	N
35	KERALA	N	AN	N	N	N	N	N
36	LAKSHADWEEP	N	AN	N	N	N	N	N
LEGENDS:								
N	NORMAL (N+1,N-1)°C	BN	BELOW NORMAL (N-2)°C		ABN	APRECIABLY BELOW NORMAL (N-3, -4)°C		
AN	ABOVE NORMAL (N+2)°C	MBN	MARKEDLY BELOW NORMAL (N-5 AND BELOW) °C					
AAN	APRECIABLY ABOVE NORMAL (N+3,+4)°C			MAN	MARKEDLY ABOVE NORMAL (N+5 AND ABOVE) °C			
* Cold wave conditions (Departure from Normal is(-4°C to -5°C and -5 °C to -6°C)					** Severe Cold wave conditions (Departure from Normal is(-6 °C or less and -7 °C or less)			

Table-2

**STATEWISE DISTRIBUTION OF NO. OF DISTRICTS
WITH EXCESS, NORMAL, DEFICIENT, SCANTY AND NO RAINFALL**

S. NO.	STATES	PERIOD FROM : 01.01.2018 TO 14.02.2018							TOTAL
		LE	E	N	D	LD	NR	ND	
1	A & N ISLAND (UT)	3	0	0	0	0	0	0	3
2.	ARUNACHAL PRADESH	0	2	2	4	4	1	3	16
3.	ASSAM	0	0	0	4	15	8	0	27
4.	MEGHALAYA	0	0	0	0	2	2	3	7
5.	NAGALAND	0	1	0	1	3	0	6	11
6.	MANIPUR	0	0	0	0	2	2	5	9
7.	MIZORAM	0	0	0	1	2	1	5	9
8.	TRIPURA	0	0	0	1	2	1	0	4
9.	SIKKIM	0	0	0	0	4	0	0	4
10.	WEST BENGAL	0	0	0	0	2	17	0	19
11.	ODISHA	0	0	0	0	10	20	0	30
12.	JHARKHAND	0	0	0	0	5	17	2	24
13.	BIHAR	0	0	0	0	4	34	0	38
14.	UTTAR PRADESH	0	1	0	10	49	12	0	72
15.	UTTARAKHAND	0	0	0	0	13	0	0	13
16.	HARYANA	0	0	1	6	12	2	0	21
17.	CHANDIGARH (UT)	0	0	0	1	0	0	0	1
18.	DELHI	0	0	0	0	7	0	2	9
19.	PUNJAB	0	1	4	11	4	0	0	20
20.	HIMACHAL PRADESH	0	0	0	6	6	0	0	12
21.	JAMMU & KASHMIR	0	0	0	12	8	0	2	22
22.	RAJASTHAN	0	0	0	0	8	25	0	33
23.	MADHYA PRADESH	3	2	3	10	17	16	0	51
24.	GUJARAT	0	0	0	0	1	32	0	33
25.	DADRA & NAGAR HAVELI (UT)	0	0	0	0	0	0	1	1
26.	DAMAN & DIU (UT)	0	0	0	0	0	1	1	2
27.	GOA	0	0	0	0	1	1	0	2
28.	MAHARASHTRA	6	3	8	3	1	15	0	36
29.	CHHATISGARH	6	1	2	6	2	10	0	27
30.	ANDHRA PRADESH	0	1	0	2	3	7	0	13
31.	TELANGANA	0	0	1	1	3	5	0	10
32.	TAMILNADU	3	4	8	6	11	0	0	32
33.	PUDUCHERRY (UT)	0	1	0	0	1	0	2	4
34.	KARNATAKA	6	3	5	4	7	5	0	30
35.	KERALA	5	2	1	3	3	0	0	14
36.	LAKSHADWEEP (UT)	0	0	0	1	0	0	0	1
	TOTAL	32	22	35	93	212	234	32	660
CATEGORYWISE DISTRIBUTION OF DISTRICTS OUT OF THE 628 WHOSE DATA RECEIVED		5%	3%	6%	15%	34%	37%		

PERCENT DISTRIBUTION OF DISTRICTS IN EARLIER YEARS SINCE 1st JANUARY

DATE	LE	E	N	D	LD	NR
15.02.2017	12%	7%	7%	11%	26%	37%
17.02.2016	0%	7%	7%	16%	43%	27%
11.02.2015	0%	30%	18%	22%	22%	8%
12.02.2014	0%	29%	10%	9%	22%	30%
13.02.2013	0%	22%	11%	12%	29%	26%

Table-3**RAINFALL DURING WINTER SEASON**

S. No.	Meteorological Sub-Divisions	<i>For the period from 1st January to</i>						
			13 FEB 2013	12 FEB 2014	11 Feb 2015	17 FEB 2016	15 FEB 2017	14 FEB 2018
1.	Andaman & Nicobar Islands	A	73	42	131	87	230	184
		N	71	70	69	75	73	73
		D	+3	-40	+90	+16	+213	+154
2.	Arunachal Pradesh	A	23	52	30	56	25	62
		N	86	85	84	97	90	88
		D	-74	-39	-64	-42	-72	-29
3	Assam & Meghalaya	A	1	3	13	25	2	7
		N	27	26	26	32	29	28
		D	-95	-87	-49	-22	-94	-74
4.	Naga., Mani., Mizo. & Tripura	A	1	2	11	19	1	6
		N	24	23	22	29	26	25
		D	-97	-91	-49	-34	-98	-75
5.	Sub-Himalayan West Bengal & Sikkim	A	3	2	15	25	3	3
		N	41	40	40	47	44	42
		D	-91	-95	-64	-46	-94	-93
6.	Gangetic West Bengal	A	3	1	13	15	2	0
		N	25	25	24	27	26	26
		D	-88	-96	-48	-44	-92	-100
7.	Odisha	A	3	*	15	3	2	*
		N	19	18	18	23	21	20
		D	-82	-99	-14	-86	-92	-98
8.	Jharkhand	A	1	10	12	16	5	1
		N	26	25	25	28	27	26
		D	-94	-61	-51	-43	-80	-95
9.	Bihar	A	5	17	13	10	*	*
		N	18	17	17	19	19	18
		D	-69	-2	-25	-50	-98	-99
10.	East Uttar Pradesh	A	26	49	32	6	10	5
		N	23	22	22	24	23	23
		D	+17	+118	+47	-73	-58	-80
11.	West Uttar Pradesh	A	48	51	35	3	23	7
		N	25	24	23	27	25	25
		D	+96	+116	+48	-89	-12	-74
12.	Uttarakhand	A	178	73	73	25	44	24
		N	76	72	70	84	80	79
		D	+135	+1	+4	-71	-45	-70
13.	Haryana, Chandigarh & Delhi	A	45	14	16	*	35	9
		N	24	23	23	26	25	24
		D	+89	-39	-29	-99	+40	-61
14.	Punjab	A	21	28	28	7	45	22
		N	35	33	32	39	37	36
		D	-39	-15	-12	-82	+22	-38

S. No.	Meteorological Sub-Divisions	For the period from 1 st January to						
			13 FEB 2013	12 FEB 2014	11 FEB 2015	17 FEB 2016	15 FEB 2017	14 FEB 2018
15.	Himachal Pradesh	A	172	121	100	40	183	41
		N	140	135	131	153	147	143
		D	+23	-10	-23	-74	+24	-71
16.	Jammu & Kashmir	A	128	157	82	58	316	59
		N	139	135	130	157	150	143
		D	-8	+17	-37	-63	+111	-59
17.	West Rajasthan	A	16	1	2	*	6	*
		N	4	4	4	5	5	5
		D	+280	-76	-49	-98	+26	-95
18.	East Rajasthan	A	5	29	10	1	8	*
		N	7	7	7	8	7	7
		D	-27	+307	+37	-93	+12	-98
19.	West Madhya Pradesh	A	11	26	46	5	7	4
		N	11	11	11	12	12	11
		D	+1	+128	+311	-58	-44	-69
20.	East Madhya Pradesh	A	7	32	44	21	11	25
		N	28	27	27	31	29	29
		D	-75	+17	+65	-33	-62	-13
21.	Gujarat Region	A	*	7	2	0	0	0
		N	1	1	1	1	1	1
		D	-77	+729	+115	-100	-100	-100
22.	Saurashtra, Kutch & Diu	A	2	*	1	0	*	0
		N	1	1	1	1	*	*
		D	+314	-34	+132	-100	-68	-99
23.	Konkan & Goa	A	0	*	2	0	0	0
		N	*	*	*	*	*	*
		D	-100	-71	+518	-100	-100	-99
24.	Madhya Maharashtra	A	4	3	2	0	0	*
		N	1	1	1	1	1	1
		D	+176	+146	+70	-100	-100	-91
25.	Marathawada	A	4	1	12	0	0	7
		N	5	5	5	5	5	5
		D	-28	-73	+144	-100	-100	+33
26.	Vidarbha	A	7	1	30	1	*	20
		N	14	13	13	15	14	14
		D	-52	-91	+131	-95	-98	+47
27.	Chhattisgarh	A	4	2	13	6	2	10
		N	16	15	15	17	16	16
		D	-73	-86	-14	-65	-90	-38
28.	Coastal Andhra Pradesh	A	2	1	2	2	1	*
		N	11	11	11	13	12	12
		D	-86	-94	-82	-87	-92	-99
29.	Telangana	A	6	*	12	1	0	3
		N	8	8	8	9	8	8
		D	-22	-98	+61	-87	-100	-70

S. No.	Meteorological Sub-Divisions	For the period from 1 st January to						
			13 FEB 2013	12 FEB 2014	11 FEB 2015	17 FEB 2016	15 FEB 2017	14 FEB 2018
30.	Rayalaseema	A	1	*	1	8	4	5
		N	4	4	3	4	4	4
		D	-79	-97	-61	+83	-7	+13
31.	Tamil Nadu & Puducherry	A	6	7	8	3	38	17
		N	22	21	21	24	23	23
		D	-75	-65	-60	-89	+66	-26
32.	Coastal Karnataka	A	4	0	1	1	1	*
		N	1	1	1	1	1	1
		D	+365	-100	+83	-41	+35	-78
33.	North Interior Karnataka	A	3	0	2	*	0	2
		N	3	3	3	3	3	3
		D	+19	-100	-11	-89	-100	-20
34.	South Interior Karnataka	A	4	*	2	4	5	3
		N	2	2	2	2	2	2
		D	+117	-77	-4	+78	+163	+77
35.	Kerala	A	9	5	3	12	13	17
		N	14	13	13	16	15	14
		D	-33	-63	-75	-22	-12	+22
36.	Lakshadweep	A	26	53	3	70	22	13
		N	27	27	27	28	28	28
		D	-4	+97	-90	+150	-20	-54
Country as a whole		A	22.7	25.3	22.6	11.7	32.6	12.0
		N	27.5	26.8	26.1	31.3	29.8	28.8
		D	-61	-5	-13	-63	+9	-58

SUMMARY

No. of Sub-Divisions with rainfall	For the period from 1 st January to						
	13 FEB 2013	12 FEB 2014	11 FEB 2015	17 FEB 2016	15 FEB 2017	14 FEB 2018	
Large Excess	-	-	-	-	04	02	
Excess	09	07	14	03	05	03	
Normal	06	06	06	01	04	02	
Total	15	13	20	04	13	07	
Deficient	06	04	09	11	04	07	
Large Deficient	-	-	-	-	13	20	
Scanty	14	17	07	16	-	-	
No rain	01	02	00	05	06	02	
Total	21	23	16	32	23	29	
Data Inadequate	00	00	00	00	00	00	
TOTAL	36	36	36	36	36	36	

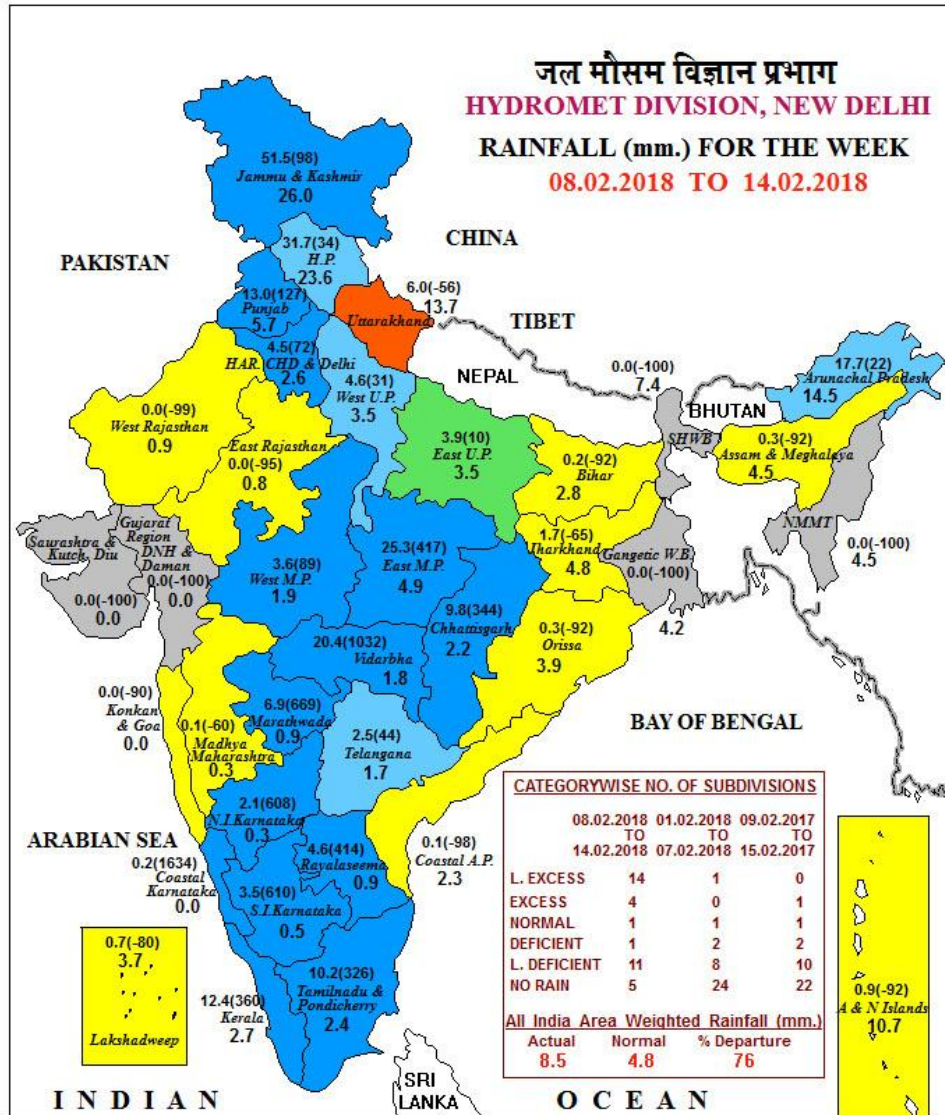
* Data is rounded off to nearest full figure according to Meteorological convention.

SEASONS: WINTER SEASON (January-February) PRE-MONSOON SEASON (March-May)
MONSOON SEASON (June-September) POST-MONSOON SEASON (October-December)

LEGEND: Large Excess: +60% or more A : Actual Rainfall (mm)
Excess : +20% to +59% N : Normal Rainfall (mm)
Normal: +19% to -19% D : Departure from normal (%)
Deficient: -20% to -59% Scanty: -20% to -99%
Large Deficient: -60% to -99% No Rain: -100%
Data Inadequate: ** Rainfall upto 0.4 mm : *

Fig-1

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



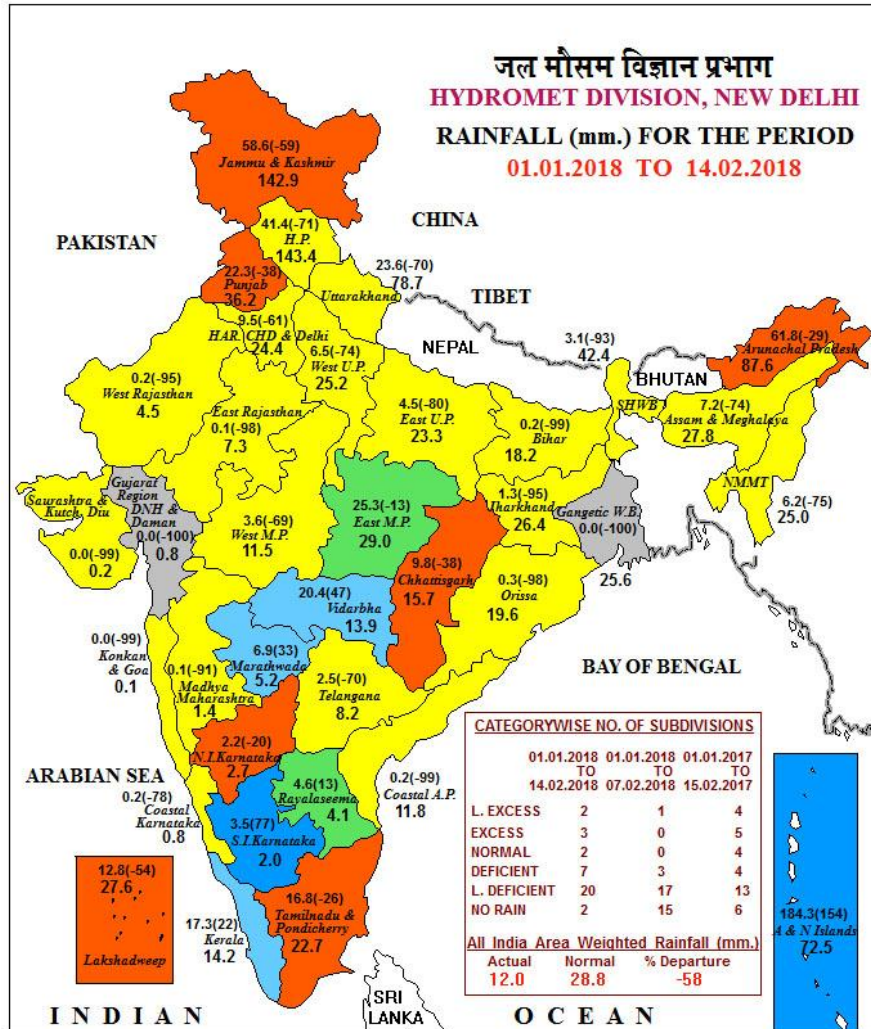
LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

NOTES:

- (a) Rainfall figures are based on operational data.
- (b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.

Fig-2

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



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

NOTES:
 (a) Rainfall figures are based on operational data.
 (b) Small figures indicate actual rainfall [mm.], while bold figures indicate Normal rainfall [mm.]
 Percentage Departures of Rainfall are shown in Brackets.

RAINFALL DURING THE WEEK (in cm.)
(8 FEBRUARY 2018 TO 14 FEBRUARY 2018)

8 FEBRUARY 2018

ARUNACHAL PRADESH:- BHALUKPONG-2, TUTING-1, ALONG- AWS-1, ANINI-AWS-1, **ASSAM & MEGHALAYA:-** N.LAKHIMPUR/LILABARI-2, CHAUDHOWAGHAT-1, **RAYALASEEMA:-** PUNGANUR-8, PALASAMUDRAM-5, PUTTUR-4, THAMBALAPALLE-4, PULLAMPETA-3, TIRUMALLA(A)-3, KADIRI-3, KADIRI(A)-3, TIRUPATI AERO-2, NAGARI-2, TANAKAL-1, GORANTLA-1, MADANAPALLE-1, AMADAGUR-1, **TAMILNADU & PUDUCHERRY:-** WATRAP-11, AYIKUDI-8, K.PARAMATHI-8, CHENGAM-7, TIRUCHENGODE-7, DHARAPURAM-6, PERIYAKULAM AWS-6, SIVAGIRI-6, SRIVILLIPUTHUR-5, TIRUKOILUR-5, POLUR-5, PAPANASAM (DISTRICT: TIRUNELVELI)-5, RAJAPALAYAM-5, R.K.PET-4, KANGEYAM-4, ANDIPATTI-4, ARAKONAM-4, VALPARAI TALUK OFFICE-4, VANDAVASI-4, PALLIPATTU-4, SIVAKASI-3, VELLORE-3, BHOOTHAPANDY-3, KALLAKURICHI-3, THAMMAMPATTY-3, SANKARIDURG-3, PERUNDURAI-3, KUMARAPALAYAM-3, KODUMUDI-3, SANKARANKOIL-3, ARANI-3, RASIPURAM-3, SATHANUR DAM-3, VIRUDHUNAGAR-2, SANKARAPURAM-2, KAVERIPAKKAM-2, PERAMBALUR-2, PERAIYUR-2, NAMAKKAL-2, TIRUVANNAMALAI-2, TIRUTTANI-2, NAGERCOIL-2, KUZHITHURAI-2, KAMATCHIPURAM-2, PARAMATHIVELUR-2, ERODE-2, SHOLINGUR-1, CHEYYAR-1, MAYANUR-1, VIRUDUNAGAR AWS-1, VAZHAPADI-1, VIRINJIPURAM AWS-1, CHEMBARABAKKAM-1, PERIYAKULAM-1, SENDAMANGALAM-1, KARUR-1, SALEM-1, VALPARAI PTO-1, KODAIKANAL-1, PECHIPARAI-1, KANCHEEPURAM-1, ILLUPPUR-1, PALANI-1, NILAKOTTAI-1, VADIPATTI-1, ARAVAKURICHI-1, DINDIGUL-1, **SOUTH INTERIOR KARNATAKA:-** RAYALPADU-2, MADHUGIRI-2, BENGALURU KIAL OBSY-1, CHINTAMANI-1, CHINTAMANI PTO-1, HOSKOTE-1, **KERALA:-** MYLADUMPARA-AGRI-6, KONNI-4, THIRUVANANTHAPURAM-3, NEYYATTINKARA-3, PEERMADE -2, IDUKKI-1, MUNNAR KSEB-1, TRIVANDRUM AERO-1.

9 FEBRUARY 2018

ARUNACHAL PRADESH:- TUTING-4, ALONG- AWS-1, ROING-1, **TAMILNADU & PUDUCHERRY:-** PAPANASAM (DISTRICT: TIRUNELVELI)-3, VALPARAI TALUK OFFICE-2, PERIYAR-2, VALPARAI PTO-1, **KERALA:-** PEERMADE TO-6, CHITTUR-4, KONNI-2, IDUKKI-1, NEDUMANGAD-1, CHENGANNUR-1, KURUDAMANNIL-1.

10 FEBRUARY 2018

ARUNACHAL PRADESH:- TUTING-4, **TAMILNADU & PUDUCHERRY:-** K BRIDGE-6, KETTI-5, PERIYAR-4, CHINNAKALAR-3, THALAVADI-3, KOTHAGIRI-2, COONOR-1, PECHIPARAI-1, COONOR PTO-1, UTHAGAMANDALAM-1, SATHYAMANGALAM-1, VALPARAI PTO-1, **SOUTH INTERIOR KARNATAKA:-** HASSAN PTO-7, PERIYAPATNA-3, CHANNAPATNA-1, RAMANAGARA-1, BEGUR-1, THONDEBHAVI-1, **KERALA:-** KAYAMKULAM- AGRI-3, KAYAMKULAM-3, CHITTUR-2, KUPPADY-2, MAVELIKARA-1, PUNALUR-1, MUNNAR KSEB-1, OTTAPALAM-1, PEERMADE TO-1, KUDULU-1, KOLLAMKODE-1.

11 FEBRUARY 2018

MARATHWADA:- SHIRUR KASAR-1, **SOUTH INTERIOR KARNATAKA:-** BUKKAPATNA-1, CHIKKAMAGALURU PTO-1, SIRA-1, SOMWARPET-1, NAYAKANAHATTY-1.

12 FEBRUARY 2018

ODISHA:- BIRMAHARAJPUR ARG-1, NAWAPARA-1, JHARBANDH ARG-1, ULLUNDA ARG-1, **EAST UTTAR PRADESH:-** KAIMGANJ-2, **WEST UTTAR PRADESH:-** SHIKOHABAD-3, JASRANA-2, LALITPUR-2, ALIGANJ-1, SAHARANPUR-1, ORAI-1, ANUPSHAH-1, ATRAULI-1, **HARYANA, CHANDIGARH & DELHI:-** KARNAL-3, PANIPAT-3, CHANDIGARH SASE AWS-2, CHANDIGARH-2, CHANDIGARH AWS-2, PANCHKULA AWS-2, MORNII-2, CHANDIGARH IAF-2, NILOKHERI-2, AMBALA-2, NARAINGARH-2, INDRI-2, PANCHKULA-1, KALKA-1, RADAUR-1, KARNAL REV-1, MUSTAFABAD-1, DADUPUR-1, CHHACHHRAULI-1, AMBALA REV-1, BILASPUR-1, JIND-1, SAHAHBAD ARG-1, KURUKSHETRA-1, GUHLA-1, ROHTAK-1, SADHAURA-1, PANIPAT ARG-1, ISRANA-1, BARWALA-1, KAITHAL-1, PILUKHERA-1, TOSHAM-1, BHIWANI REV-1, BHIWANI-1, **PUNJAB:-** GURUDASPUR-4, KHARAR-2, DERABASSI(BASI)-2, ANANDPUR SAHIB-2, BATALA-2, MALAKPUR-2, BALACHAUR AWS-2, AMRITSAR-1, PHAGWARA-1, TARAN TARAN-1, RAJPURA-1, KAPURTHALA-1, PATIALA REV-1, ADAMPUR IAF-1, SALERN AWS (DISTRICT: HOSHIARPUR)-1, PATHANKOT IAF-1, NANGAL-1, JALANDHAR AWS-1, JALANDHAR-1, MADHOPUR-1, RAYA-1, PATIALA-1, MOGA AWS-1, FATEHGARH SAHIB AWS-1, RANJIT SAGAR DAM SITE-1, TARANTARAN AWS-1, TIBRI-1, **HIMACHAL PRADESH:-** SANGRAHA-3, BALDWARA-3, PACHHAD-3, RAJGARH-2, NAHAN-2, SOLAN-2, JHANDUTTA-2, DHARMSALA-2, BHORANJ-2, AGHAR-2, BERTHIN AGRO-2, RENUKA / DADHAU-2, GHUMARWIN-2, MEHRE (BARSAR)-2, GOHAR-2, DHARAMPUR-1, KOTKHAI-1, HAMIRPUR-1, CHHATRARI-1, R L BBMB-1, KAHU-1, BANGANA-F-1, DHARMSHALA AWS-1, BARTHIN-1, KUMARSAIN-1, NAINA DAVI-1, BANGANA-R-1, KEYLONG-1, KANGRA AERO-1, SALONI-1, BHARARI-1, CHAMBA AWS-1, BHARMAUR-1, ARKI-1, PALAMPUR-1, DEHRA GOPIPUR-1, MANALI-1, ROHRU-1, KANDAGHAT-1, SARKAGHAT-1, NADAUN-1, **JAMMU & KASHMIR:-** SRINAGAR AERO-3, KATRA-3, SAMBA-3, SAMBA AWS-3, JAMMU AERO-2, BANIHAL-2, JAMMU-2, BATOTE-2, UDHAMPUR(IAF)-2, BADARWAH-2, GOVINDPURA AWS-2, KATHUA-2, ANANTNAG-2, RAJOURI-2, KUKERNAG-2, QAZI GUND-1, GULMARG R.S.-1, GUND-1, SRINAGAR-1, SHALIMAR AGRO-1, **WEST MADHYA**

PRADESH:- MULTAI-3, BEGUMGANJ-2, ATNER-2, AMBAH-2, VIDISHA-AWS-2, HOSHANGBAD-AWS-1, BHOPAL-AWS-ARG-1, SONKATCH-1, BUDHNI-1, CHICHOLI-1, MORENA-AWS-1, SEHORE-AWS-1, **EAST MADHYA PRADESH:-** SAUSAR-2, CHINDWARA-AWS-2, KATNI-AWS-2, REWA-AWS-2, SIDHI-AWS-2, UMARIA-AWS-2, SAGAR-AWS-2, PARASWAD-1, BALAGHAT-AWS-1, AMARWARA-1, GHANSORE-1, PANNA-AWS-1, GUDH-1, PATAN-1, MANDLA-AWS-1, LAKHNADON-1, HATTA-1, MALANJKHAND-1, SEONI-AWS-1, **MARATHWADA:-** CHAKUR-2, AUNDHA NAGNATH-2, UMARGA-2, AMBAD-1, SELU-1, KALLAMNURI-1, SHIRUR ANANTPAL-1, RENAPUR-1, AUSA-1, SILLOD-1, HINGOLI - HYDROMET-1, **VIDARBHA:-** LAKHANI-3, BHANDARA-3, TUMSAR-2, MOHADI-2, SAKOLI-1, LAKHANDUR-1, WARDHA-1, NAGPUR AERODROME-1, GONDIA AP-1, **CHHATTISGARH:-** MAHASAMUND-2, DONDILOHARA-2, BALOD-2, GARIABUND-2, DHAMTARI-2, ARANG-1, SARAIPALI-1, JANAKPUR-1, MANENDRAGARH-1, **TAMILNADU & PUDUCHERRY:-** SATANKULAM-1, **NORTH INTERIOR KARNATAKA:-** KOPPAL PTO-2, B BAGEWADI-1, ALAMATTI HMS-1, **KERALA:-** VAIKOM-1, ALAPUZHA-1.

13 FEBRUARY 2018

EAST UTTAR PRADESH:- NANPARA-3, HARDOI OBSY-2, PATTI-2, NAWABGANJ TEHSIL-1, BARA BANKI-1, BAHRAICH-1, SANDILA-1, MISRIKH-1, RAMNAGAR-1, MUHAMMADI-1, ALLAHABAD SADAR-1, MANKAPUR-1, MAHARAJGANJ-1, BALLIA OBSY-1, SIRALI GAUSPUR TEHSIL-1, ALLAHABAD/ PBO-1, **WEST UTTAR PRADESH:-** SHAHJAHANPUR (T)-3, SHAHJAHANPUR OBSY-2, BAREILLY TEHSIL-1, BAREILLY PBO-1, PWAYAN-1, FARIDPUR-1, MORADABAD-1, AONLA-1, SAHASWAN-1, BAHERI-1, THAKURDWARA-1, **UTTARAKHAND:-** RANIKHET (G)-2, BHATWARI-1, TIUNI-1, GARUD-1, DUNDA-1, UTTAR KASHI-1, CHAUKHUTIA-1, MUNSIYARI-1, UTTAR KASHI (CWC)-1, CHAMOLI-1, **HARYANA, CHANDIGARH & DELHI:-** SADHAURA-3, CHANDIGARH IAF-2, CHHACHHRAULI-1, CHANDIGARH-1, BILASPUR-1, CHANDIGARH AWS-1, NARAINGARH-1, JAGADHARI-1, CHANDIGARH SASE AWS-1, TAJEWALA-1, RADAUR-1, **PUNJAB:-** HALWARA IAF-5, TIBRI-5, PHANGOTA-5, PATHANKOT IAF-4, MADHOPUR-4, SHAHPUR KANDI-4, MALAKPUR-3, ANANDPUR SAHIB-3, GURUDASPUR-3, RANJIT SAGAR DAM SITE-3, BALACHAUR-2, NANGAL-2, HOSHIARPUR AWS-2, PATIALA-2, SAMRALA-2, KAPURTHALA-2, NAWANSHAHR-2, NAWANSHAHR AWS-1, BALACHAUR AWS-1, LUDHIANA-1, KHARAR-1, MUKERIAN-1, GARHSHANKAR-1, BATALA-1, SALERN AWS (DISTRICT: HOSHIARPUR)-1, PATIALA REV-1, PHAGWARA-1, RAJPURA ARG-1, HOSHIARPUR-1, **HIMACHAL PRADESH:-** BAIJNATH-5, KHERI-4, GOHAR-4, SUNDARNAGAR-4, PALAMPUR-3, CHAMBA AWS-3, MANDI-3, SALONI-3, BIJHI-3, AGHAR-3, BANJAR-3, MANALI-3, DHARMSALA-3, BARTHIN-3, SARKAGHAT-3, MEHRE (BARSAR)-3, BHARANI-3, JOGINDARNAGAR-3, GHUMARWIN-3, SEO BAGH-3, KEYLONG-3, KAHU-2, KANGRA AERO-2, BHORANJ-2, BILASPUR AWS-2, UNA-2, CHHATRARI-2, JANJEHLI-2, DHARAMPUR-2, DHARMSHALA AWS-2, JHANDUTTA-2, PANDOH-2, BAJURA AWS-2, HAMIRPUR-2, BHARMAUR-2, BAJAURA AGRO-2, R L BBMB-2, KALPA-2, SUJANPUR TIRA-2, NAINA DAVI-2, ARKI-2, BANGANA-F-2, NADAUN-2, BHUNTAR AERO-2, SHIMLA AERO-2, KOTKHAI-2, SIMLA-1, BANGANA-R-1, KANDAGHAT-1, KARSOG-1, RECKONG PEO AWS-1, DEHRA GOPIPUR-1, SOLAN-1, PAONTA-1, AMB-1, NAGROTA SURIAN-1, POOH-1, SUNIBHAJJI-1, SANGRAHA-1, PACHHAD-1, GHAMROOR-1, NURPUR/JASSUR-1, GULER-1, **JAMMU & KASHMIR:-** BATOTE-11, KUKERNAG-9, GOVINDPURA AWS-7, BANIHAL-7, BADARWAH-6, PAHALGAM-6, SHALIMAR AGRO-4, SRINAGAR AERO-4, UDHAMPUR(IAF)-4, KATRA-4, AWANTIPUR IAF-4, KATHUA-4, ANANTNAG-3, RAJHANI AWS-3, RAJOURI-3, JAMMU-3, GUND-2, KUPWARA-2, JAMMU AERO-2, SRINAGAR-2, MALANGPURA AWS-2, QAZI GUND-2, GULMARG R.S.-2, SHOPIAN AWS-2, SAMBA AWS-1, HARRAN AWS-1, RAMBAGH AWS-1, **WEST MADHYA PRADESH:-** BEGUMGANJ-1, **EAST MADHYA PRADESH:-** SAUSAR-8, NOWGONG-2, REWA-AWS-2, REHLI-1, KHAJURAO AERO-1, UMARIA-AWS-1, GHANSORE-1, MANDLA-AWS-1, RAJNAGAR-1, PATAN-1, **MARATHWADA:-** UDGIR - IMD PARTTIME-3, DHARMABAD-3, NAIGAON KHAIRGAON-3, KINWAT-3, UMARGA-2, SHIRUR ANANTPAL-1, NILANGA-1, DEGLOOR - FMO-1, LOHARA-1, DEONI-1, MUKHED-1, MAHUR-1, **VIDARBHA:-** HINGANGHAT-4, CHANDRAPUR-3, PERSEONI-2, BRAMHAPURI-2, DEOLI-2, GADCHIROLI-2, SAMUDRAPUR-1, KHARANGHA-1, YEOTMAL-1, SAONER-1, KATOL-1, RAMTEK-1, **CHHATTISGARH:-** RAJNANDGAON-2, AMBAGARH CHOWKI-2, DONDILOHARA-2, DONGARGARH-1, DURG-1, DONGARGAON-1, JANAKPUR-1, BALOD-1, **TELANGANA:-** NIRMAL-4, NAVIPET-3, MUDHOLE-3, MADNUR-3, KHANPUR-3, SARANGAPUR-2, ADILABAD-2, BALKONDA-2, NANDIPET-2, KOTGIRI-1, UTNUR-1, BODHAN-1, YEDA PALLE-1, JUKKAL-1, **NORTH INTERIOR KARNATAKA:-** KHAJURI-3, DABAKA-1.

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JHARKHAND:- RANCHI-1, **UTTARAKHAND:-** PITHORAGARH-1, DIDIHAT-1, **HIMACHAL PRADESH:-** DALHOUSI ALHA AWS-1, JANJEHLI-1, DHARAMPUR-1, BAJURA AWS-1, **WEST MADHYA PRADESH:-** MULTAI-2, BETUL-AWS-1, **EAST MADHYA PRADESH:-** SAUSAR-5, AMARWARA-4, MALANJKHAND-4, NARSINGHPUR-AWS-3, SEONI-AWS-3, CHINDWARA-AWS-2, JAITHARI-2, MANDLA-AWS-2, AMARKANTAK-1, JABALPUR-NEW--AWS-1, SOHAGPUR-AWS-1, **MARATHWADA:-** GANGAKHED-3, ARDHAPUR-2, PALAM-2, PARLI VAIJNATH-2, AHMEDPUR-1, MUKHED-1, **VIDARBHA:-** CHIKHALDA-2, WASHIM-2, GADCHIROLI-1, TUMSAR-1, GONDIA AP-1, BATKULI-1, MOHADI-1, **CHHATTISGARH:-** BEMETARA-2, BILASPUR-2, AMBIKAPUR-2, MANA-RAIPUR-AP-1, RAJNANDGAON-1, KAWARDHA-1, DURG-1, SAKTI-1, PENDRA ROAD-1, RAIPUR-1, GANDAI-1, ARANG-1, MUNGELI-1.

LEGEND

(A) / AWS--Automated Weather Station
ARG--Automated Rain-Gauge
SR--State Raingauge
AP--Airport
IAF--Indian Air Force

IMD--India Meteorological Department
PWD--Public Works Department
PT / PTO--Part Time Observatory
CDR--Cyclone Detection Radar
CWC--Central Water Commission

FMO--Flood Met. Office
PBO--Pilot Balloon Observatory
REV--Revenue