

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
STARRED QUESTION No. *387
TO BE ANSWERED ON FRIDAY, JULY 19, 2019**

EARTHQUAKE PRONE ZONES

***387. SHRI CHANDRA PRAKASH CHOUDHARY:
SHRI SANJAY SETH :**

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the India Meteorological Department has identified and mapped the earthquake prone zones in the country including Jharkhand;**
- (b) if so, the details thereof;**
- (c) the details of seismic tremors reported along with their intensity during the last three years and the current year;**
- (d) whether adequate steps have been taken to deal with earthquakes, including creating awareness amongst masses; and**
- (e) if so, the details thereof?**

**ANSWER
MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(DR. HARSH VARDHAN)**

(a) to (e): A statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PARTS (A) TO (E)
OF THE LOK SABHA STARRED QUESTION NO. *387
REGARDING EARTHQUAKE PRONE ZONES
TO BE ANSWERED ON FRIDAY, 19TH JULY, 2019.**

- (a) and (b) Based on various scientific inputs from different agencies, such as, past seismicity of the country, maximum intensities experienced in the past, geology and the seismo-tectonics of the region concerned, Bureau of Indian Standards [IS 1893 (Part I):2002], has grouped the country into four seismic zones, viz. Zone II, III, IV and V. Of these, Zone V is seismically the most prone region, while zone II is the least. According to this classification Jharkhand lies in Zone-III, which is called as, 'moderate intensity zone'.
- (c) National Centre for Seismology (NCS) under Ministry of Earth Sciences, maintains a seismological network round the clock for continuous monitoring of seismic activity in and around the country. A total of 932 earthquakes of magnitude range from 1.8 to 6.6, have been recorded by this network from 1st January, 2016 to 30th June, 2019 in India. The details of these earthquakes are given as Annexure.
- (d) and (e) Guidelines have been published by the Bureau of Indian Standards (BIS), Building Materials & Technology Promotion Council (BMTPC), Housing and Urban Development Corporation (HUDCO) and National Disaster Management Authority (NDMA) etc. for the design and construction of earthquake resistant structures to minimize the loss of life and damage to property caused by earthquakes. These guidelines are in wide circulation amongst the public and the administrative authorities responsible for the design and construction of earthquake resistant structures in earthquake prone areas.

National Disaster Management Authority (NDMA) and other state Disaster Management Authorities, have also taken up various initiatives to educate and bring awareness amongst general public and school children on the general aspects of earthquakes, their impacts and measures to mitigate losses caused by them.

Annexure

LIST OF EARTHQUAKES OCCURRED IN INDIA

FOR THE PERIOD FROM 1st JANUARY, 2016 TO 30 JUNE, 2019

Year	Mon	Day	Origin-time	Latitude	Longitude	Depth	Mag.	
Hr	Min	Sec	(Deg.N)	(Deg.E)	(km.)			
			(in UTC)					
2016	01	01	06 54 40.2	29.84	80.37	10	3.3	UTTARAKHAND
2016	01	03	23 05 20.0	24.84	93.47	28	6.6	MANIPUR
2016	01	04	02 27 57.7	12.35	93.63	59	4.1	ANDAMAN ISLANDS
2016	01	04	03 57 48.5	25.33	93.18	3	3.2	ASSAM
2016	01	04	09 00 0.8	24.80	93.48	77	3.6	MANIPUR
2016	01	06	10 25 13.6	25.00	93.37	68	4.1	MANIPUR
2016	01	07	13 42 51.7	27.90	92.91	7	3.8	ARUNACHAL PRADESH
2016	01	09	03 15 57.5	27.99	81.13	31	2.9	UTTAR PRADESH
2016	01	15	00 25 23.1	24.88	92.39	24	3.3	BANGLADESH-INDIA BORD.
2016	01	15	19 24 50.2	11.52	92.79	59	4.5	ANDAMAN ISLANDS
2016	01	18	00 52 51.0	26.37	93.08	10	3.2	ASSAM
2016	01	18	06 04 55.2	24.26	94.56	115	4.4	MYANMAR-INDIA BORDER
2016	01	24	17 09 26.7	26.93	92.24	10	3.3	ASSAM
2016	01	27	22 09 56.2	13.77	93.78	89	4.2	ANDAMAN ISLANDS
2016	01	28	22 47 10.1	27.12	75.40	10	3.7	RAJASTHAN
2016	01	30	09 39 23.2	28.72	76.49	10	3.1	HARYANA
2016	02	01	19 48 36.5	23.89	93.81	20	3.7	INDIA-MYANMAR BORDER
2016	02	01	23 49 31.6	26.51	93.29	33	3.6	ASSAM
2016	02	02	16 13 47.2	25.50	92.06	5	2.2	SHILLONG, MEGHALAYA
2016	02	04	07 10 30.5	32.69	75.88	5	4.3	HIMACHAL PRADESH
2016	02	04	15 30 46.4	13.96	93.12	10	4.6	ANDAMAN ISLANDS
2016	02	08	11 05 56.5	25.04	94.86	94	4.0	MANIPUR
2016	02	09	15 13 47.7	32.87	76.21	10	4.1	HIMACHAL PRADESH
2016	02	10	22 45 31.5	25.68	91.92	5	3.1	SHILLONG
2016	02	15	16 35 28.0	30.32	79.88	10	3.6	CHAMOLI, UTTARAKHAND
2016	02	16	23 06 57.0	26.24	93.43	12	4.2	ASSAM,
2016	02	21	03 39 37.4	7.09	92.66	50	4.7	NICOBAR ISLANDS
2016	02	21	07 50 56.4	30.92	78.28	5	3.3	UTTARKASHI, UTTARAKHAND
2016	02	21	18 09 56.5	28.29	84.22	30	4.7	NEPAL-INDIA BORDER
2016	02	22	18 21 7.0	8.32	91.78	10	5.0	NICOBAR ISLANDS
2016	02	24	02 06 52.9	24.84	72.19	10	3.3	JALOR, RAJASTHAN
2016	02	27	00 31 0.6	13.17	94.05	100	4.9	ANDAMAN ISLANDS
2016	02	28	23 11 8.6	11.10	94.10	50	4.4	ANDAMAN ISLANDS
2016	03	02	04 03 50.7	26.73	95.31	11	3.9	MYANMAR-INDIA BORDER
2016	03	03	00 06 28.7	28.59	77.22	10	2.4	DELHI
2016	03	03	23 50 53.2	32.57	76.14	10	2.5	HIMACHAL PRADESH

2016	03	05	08	39	2.7	32.60	76.06	9	1.9	HIMACHAL PRADESH
2016	03	05	08	40	38.4	32.59	76.06	5	1.8	HIMACHAL PRADESH
2016	03	06	00	50	20.2	24.47	92.84	31	3.7	MIZORAM-ASSAM-MANIPUR BOR
2016	03	06	08	51	16.2	24.47	92.93	25	3.6	MIZORAM-MANIPUR-ASSAM BOR
2016	03	06	16	36	14.3	28.99	77.31	24	2.3	UTTAR PRADESH
2016	03	07	12	22	59.7	22.82	93.82	13	4.4	MYANMAR-INDIA BORDER
2016	03	08	09	55	10.3	9.38	93.03	15	4.5	NICOBAR ISLANDS
2016	03	10	09	46	59.0	25.63	91.88	9	3.1	MEGHALAYA
2016	03	10	09	50	32.5	25.64	91.90	5	3.0	MEGHALAYA
2016	03	10	15	02	10.5	22.80	94.11	33	3.6	MYANMAR-INDIA BORDER
2016	03	11	18	28	13.5	25.61	91.80	17	2.2	MEGHALAYA
2016	03	12	09	39	33.7	10.72	91.84	33	3.5	ANDAMAN ISLANDS
2016	03	12	16	15	13.0	26.85	89.13	10	4.0	INDIA-BANGLADESH BORDER
2016	03	13	05	15	35.7	27.74	84.84	10	3.9	NEPAL-INDIA BORDER
2016	03	13	10	30	9.6	26.27	92.40	34	4.0	ASSAM
2016	03	13	15	04	36.0	10.54	94.16	115	3.7	ANDAMAN ISLANDS
2016	03	17	16	46	55.4	34.78	78.46	33	4.1	INDIA (J&K) -XIJANG BORDER
2016	03	18	03	37	38.4	25.81	73.21	7	3.6	RAJASTHAN
2016	03	21	00	18	54.2	30.09	79.95	10	2.6	UTTARAKHAND
2016	03	21	02	19	40.7	25.25	92.49	22	3.1	MEGHALAYA
2016	03	21	23	01	18.7	26.44	92.45	34	2.8	ASSAM
2016	03	24	06	17	12.8	24.91	93.95	33	3.2	MANIPUR
2016	03	24	17	26	11.1	27.83	88.10	68	3.6	NEPAL (SIKKIM) BORDER
2016	03	28	15	42	48.2	24.68	93.04	9	3.4	ASSAM
2016	03	28	18	40	7.5	26.04	90.75	15	4.0	MEGHALAYA
2016	03	30	02	04	10.6	32.53	76.11	10	3.4	HIMACHAL PRADESH
2016	04	03	20	31	34.4	24.18	94.54	120	3.8	INDIA-MYANMAR BORDER
2016	04	05	07	42	24.7	25.83	90.53	10	4.9	MEGHALAYA
2016	04	07	20	03	2.9	26.94	75.25	10	3.4	NAGPUR, RAJASTHAN
2016	04	10	17	42	41.0	26.40	93.23	30	2.8	ASSAM
2016	04	11	10	36	11.6	29.95	80.27	10	3.7	UTTARAKHAND
2016	04	12	11	55	49.2	26.06	90.86	10	3.9	ASSAM
2016	04	13	03	56	54.5	24.84	94.21	60	4.5	MANIPUR
2016	04	14	00	39	50.5	23.11	94.39	10	3.3	MYANMAR-INDIA BORDER
2016	04	14	16	23	37.2	23.05	93.29	5	3.5	MIZORAM
2016	04	14	23	24	27.2	24.94	92.46	10	3.2	ASSAM
2016	04	17	15	06	1.6	25.58	91.02	5	3.5	MEGHALAYA
2016	04	18	15	29	53.0	12.98	92.32	10	4.3	ANDAMAN ISLANDS
2016	04	19	01	14	47.7	24.86	92.76	10	3.7	ASSAM
2016	04	19	20	33	3.5	10.58	93.40	10	5.1	ANDAMAN ISLANDS
2016	04	22	02	43	9.8	9.93	93.23	30	4.0	NICOBAR ISLANDS
2016	04	24	21	55	41.5	10.57	91.43	10	4.8	ANDAMAN ISLANDS
2016	05	03	18	46	13.1	22.85	92.81	12	2.9	MIZORAM

2016	05	05	18	00	32.0	30.07	79.93	12	4.0	UTTARAKHAND
2016	05	05	19	22	39.7	30.02	79.92	10	3.6	UTTARAKHAND
2016	05	05	19	55	42.0	29.53	79.18	10	2.7	UTTARAKHAND
2016	05	06	03	06	44.7	23.74	94.28	4	3.1	MANIPUR
2016	05	06	06	55	44.9	26.37	92.56	12	2.9	ASSAM
2016	05	06	15	14	5.4	26.45	92.98	38	3.2	ASSAM
2016	05	07	09	43	40.0	25.44	91.71	24	4.1	MEGHALAYA
2016	05	09	06	12	2.7	26.24	92.82	36	3.4	ASSAM
2016	05	09	07	46	30.2	23.30	70.38	10	3.3	GUJARAT
2016	05	09	16	00	24.7	11.32	91.47	24	4.5	ANDAMAN ISLANDS
2016	05	09	16	03	49.0	11.40	91.49	10	5.2	ANDAMAN ISLANDS
2016	05	10	00	11	52.5	28.65	76.97	10	2.3	HARYANA
2016	05	12	07	54	18.7	24.38	94.19	84	4.6	MYANMAR-INDIA BORDER
2016	05	12	11	56	8.8	24.48	94.37	20	3.9	MANIPUR-NAGALAND BORD.
2016	05	12	16	59	52.2	24.36	72.58	39	3.1	GUJARAT
2016	05	15	06	56	6.0	23.50	70.35	10	3.3	KUTCH REGION
2016	05	16	18	03	46.2	26.13	90.28	33	4.0	MEGHALAYA
2016	05	17	10	12	32.4	26.44	88.96	10	3.1	WEST BENGAL
2016	05	18	08	27	4.5	25.56	91.58	16	3.3	MEGHALAYA
2016	05	18	13	23	23.6	17.47	73.81	10	3.7	KOYNA REGION, MAHA.
2016	05	18	17	29	38.2	17.42	73.68	10	3.3	KOYNA REGION, MAHA.
2016	05	18	19	17	43.0	17.39	73.82	10	3.6	KOYNAREGION, MAHA.
2016	05	19	01	49	50.5	17.40	73.79	10	2.1	KOYNA REGION, MAHA.
2016	05	19	18	07	24.6	17.36	73.82	9	3.5	KOYNA REGION, MAHA.
2016	05	19	23	10	20.5	22.84	94.00	33	4.5	MYANMAR-INDIA BORDER
2016	05	20	13	36	17.7	24.91	92.11	15	3.5	BANGLADESH-INDIA BORDER
2016	05	21	11	30	24.5	17.48	73.92	12	3.6	KOYNA REGION, MAHA.,
2016	05	22	03	48	45.2	17.51	73.79	17	2.7	KOYNA REGION, MAHARASHTRA,
2016	05	22	10	31	3.2	32.70	76.17	10	2.8	HIMACHAL PRADESH, INDIA
2016	05	23	01	46	19.5	33.03	75.81	10	2.9	J&K--H.P BORD.REGION,
2016	05	24	10	17	54.4	33.16	75.61	10	4.3	J&K, INDIA
2016	05	25	00	46	14.6	17.40	73.76	10	2.3	KOYNA REGION, MAHARASHTRA,
2016	05	25	08	31	0.8	17.24	73.69	10	2.7	KOYNA REGION, MAHARASHTRA,
2016	05	27	15	30	21.1	24.85	94.57	83	3.6	MANIPUR, INDIA
2016	05	28	03	12	42.0	14.95	79.32	38	4.0	ANDHRA PRADESH
2016	05	28	07	12	31.7	14.94	79.40	11	4.1	ANDHRA PRADESH
2016	05	29	00	19	35.7	23.31	70.26	10	3.5	GUJARAT, INDIA
2016	05	29	05	42	13.6	17.41	73.85	10	2.6	KOYNA REGION, MAHARASHTRA,
2016	05	29	18	07	51.0	28.67	77.25	19	2.5	DELHI
2016	05	30	22	39	26.6	25.00	93.38	16	3.7	MANIPUR
2016	06	06	12	17	53.2	27.92	94.10	10	4.1	ARUNACHAL PRADESH
2016	06	07	12	01	11.8	27.40	92.63	5	4.0	ARUNACHAL PRADESH
2016	06	07	20	10	36.0	30.07	80.46	10	3.8	PITHORAGARH, UTTARAKHAND

2016	06	10	14	21	6.9	22.65	93.86	30	3.8	MYANMAR-INDIA BORDER
2016	06	11	12	57	40.9	28.66	76.65	5	2.7	HARYANA
2016	06	12	11	20	22.2	17.29	73.81	10	3.6	KOYNA REGION, MAHA.
2016	06	13	19	22	44.0	27.61	92.75	10	3.4	ARUNACHAL PRADESH
2016	06	13	23	27	44.7	27.78	84.57	10	3.8	NEPAL-INDIA BORDER
2016	06	20	23	07	60.0	27.34	92.79	5	2.9	ARUNACHAL PRADESH
2016	06	22	21	55	21.7	24.44	94.30	10	3.9	MANIPUR
2016	06	24	23	01	15.8	24.15	93.65	10	3.0	MANIPUR
2016	06	25	04	03	50.5	27.31	95.20	5	4.3	ASSAM
2016	06	27	07	22	10.6	23.18	94.18	5	4.0	MIZORAM- MAYANMAR BORDER
2016	06	28	14	15	34.4	24.48	92.12	10	3.6	ASSAM
2016	07	02	13	29	26.7	25.11	94.37	35	3.5	MANIPUR
2016	07	04	03	31	3.0	25.98	95.60	115	3.8	MYANMAR-INDIA BORDER
2016	07	05	06	24	58.0	25.20	94.53	79	3.8	MANIPUR
2016	07	09	20	42	9.5	30.37	79.29	10	3.9	UTTARAKHAND
2016	07	13	17	56	31.2	11.83	95.31	10	3.5	Andaman Islands
2016	07	15	05	51	25.7	26.44	93.36	41	3.2	ASSAM
2016	07	15	16	08	6.5	15.52	93.84	37	3.9	Bay of Bengal
2016	07	17	02	31	47.0	24.19	94.49	8	2.9	MYANMAR-INDIA BORD
2016	07	17	03	55	2.0	21.64	72.49	7	4.2	Gulf of Khambat,Gujarat
2016	07	21	14	42	8.3	31.36	77.60	8	3.4	HIMACHAL PRADESH
2016	07	24	15	33	7.5	12.81	93.22	66	4.2	Andaman Islands
2016	07	26	06	06	47.0	26.49	92.36	34	3.8	ASSAM
2016	07	27	16	54	28.1	24.73	94.27	27	4.0	MANIPUR
2016	07	30	11	58	49.0	29.69	94.72	33	4.4	Arunachal Pradesh
2016	07	30	20	36	59.5	24.71	94.31	10	3.5	MANIPUR
2016	08	01	12	34	46.9	31.45	77.67	16	2.7	HIMACHAL PRADESH
2016	08	01	13	38	33.5	31.33	77.55	10	3.9	HIMACHAL PRADESH
2016	08	02	02	24	36.5	24.54	94.43	101	3.7	MANIPUR
2016	08	03	18	31	22.2	28.58	95.58	19	3.4	ARUNACHAL PRADESH
2016	08	11	10	52	30.7	7.51	92.73	15	3.6	Nicobar Islands
2016	08	11	10	55	17.0	8.22	93.03	15	4.5	Nicobar Islands
2016	08	11	21	26	50.5	25.65	90.84	8	3.3	MEGHALAYA
2016	08	13	15	41	6.9	29.78	80.42	14	2.9	UTTARAKHAND
2016	08	14	05	08	11.3	29.13	76.89	10	3.4	HARYANA
2016	08	17	13	54	47.2	31.97	77.98	20	3.5	HIMACHAL PRADESH
2016	08	18	18	23	58.7	12.01	93.79	97	3.6	Andaman Islands
2016	08	18	20	05	53.2	30.96	78.14	10	3.5	UTTARAKHAND
2016	08	19	19	05	33.5	27.56	92.80	10	3.8	ARUNACHAL PRADESH
2016	08	20	21	24	28.2	25.65	93.22	10	3.3	ASSAM
2016	08	21	09	04	15.5	24.86	94.14	53	3.3	MANIPUR
2016	08	22	05	28	27.2	25.58	93.55	9	3.2	NAGALAND
2016	08	22	09	20	10.1	28.11	76.13	30	3.8	HARYANA

2016 08 23 00 00 48.5	25.60	93.21	10	3.1	ASSAM
2016 08 25 00 34 4.5	29.80	80.38	12	3.0	UTTARAKHAND-NEPAL Border
2016 08 26 11 21 26.7	24.26	94.44	105	3.4	MYANMAR-INDIA BORD
2016 08 26 18 20 43.5	9.09	94.47	10	4.4	Nicobar Islands
2016 08 27 01 14 32.5	31.35	77.61	7	4.5	Himachal Pradesh
2016 08 27 01 23 50.0	31.42	77.61	10	3.2	HIMACHAL PRADESH
2016 08 27 01 35 9.0	31.34	77.57	10	4.3	Himachal Pradesh
2016 08 27 02 53 12.0	31.35	77.39	10	2.7	HIMACHAL PRADESH
2016 08 27 03 16 13.1	31.44	77.57	10	2.8	HIMACHAL PRADESH
2016 08 27 03 38 15.5	31.32	77.54	10	3.9	Himachal Pradesh
2016 08 27 07 07 20.2	31.46	77.59	10	3.5	HIMACHAL PRADESH
2016 08 27 07 08 46.0	31.50	77.63	10	3.7	HIMACHAL PRADESH
2016 08 27 15 04 44.9	23.93	93.71	77	3.7	MYANMAR-INDIA BORD.
2016 08 28 09 18 48.0	32.79	76.29	10	3.9	HIMACHAL PRADESH
2016 08 28 10 01 0.6	25.81	93.17	16	3.1	ASSAM
2016 08 28 12 22 40.2	32.75	76.33	10	2.6	HIMACHAL PRADESH
2016 08 28 12 54 48.9	28.15	88.55	129	3.3	CHINA-INDIA BOORDER
2016 08 28 19 41 11.1	25.69	90.84	10	3.6	MEGHALAYA
2016 08 31 01 26 47.5	24.70	93.39	11	3.2	MANIPUR
2016 09 02 14 30 56.5	28.93	94.93	25	4.7	Arunachal Pradesh
2016 09 03 01 07 56.2	24.43	94.43	96	4.0	Manipur
2016 09 03 11 41 14.1	26.53	92.00	10	3.6	Assam
2016 09 03 17 39 42.2	28.49	76.76	10	2.4	HARYANA
2016 09 04 22 28 40.2	13.62	92.69	5	4.1	Andaman Islands
2016 09 05 07 52 35.7	27.18	94.54	10	3.6	Assam
2016 09 07 22 21 15.8	28.35	95.01	10	4.1	Arunchal Pradesh
2016 09 08 20 46 48.9	26.68	89.41	10	3.5	West Bengal
2016 09 10 15 27 25.5	28.59	76.63	10	4.6	Haryana
2016 09 11 05 07 41.2	9.07	93.51	80	4.2	Nicobar Islands
2016 09 11 08 00 37.9	17.70	73.68	10	3.3	KoynaRegion,Maha
2016 09 11 21 46 6.5	26.95	92.45	10	4.3	Assam
2016 09 13 11 59 51.5	10.89	91.51	35	4.7	Andaman Islands
2016 09 15 02 30 43.4	9.93	91.46	10	4.7	Andaman Islands
2016 09 17 02 46 24.1	24.44	93.82	50	4.1	Manipur
2016 09 18 05 28 58.0	26.92	93.64	10	4.2	Assam
2016 09 18 14 34 40.5	26.76	88.43	10	3.1	West Bengal
2016 09 18 23 39 7.5	7.98	92.12	38	3.4	Nicobar Islands
2016 09 19 12 57 36.5	10.51	92.83	33	3.7	Andaman Islands
2016 09 20 21 59 21.2	26.73	92.57	34	3.9	Assam
2016 09 23 22 27 18.5	7.96	94.28	30	4.7	Nicobar Islands
2016 09 24 18 00 5.5	25.80	94.89	90	3.6	Nagaland
2016 09 25 20 43 59.7	23.61	69.91	15	3.7	Rann of Kuchchh Gujarat
2016 09 25 21 41 35.9	30.53	78.98	10	3.9	Uttarakhand

2016	09	26	19	04	17.0	8.30	94.25	10	4.1	Nicobar Islands
2016	10	02	23	23	57.0	28.95	76.85	20	2.5	HARYANA, INDIA
2016	10	03	11	19	19.1	31.48	77.74	10	2.7	HIMACHAL PRADESH, INDIA
2016	10	04	14	19	17.6	34.05	75.53	33	3.7	Jammu and Kashmir, India
2016	10	06	14	47	56.5	26.39	92.99	32	4.0	ASSAM, INDIA
2016	10	08	08	10	4.4	28.93	78.11	10	3.0	UTTAR PRADESH, INDIA
2016	10	14	02	01	19.7	29.95	80.25	14	3.4	XIJANG-INDIA(UTTARAKHAND)
2016	10	14	02	02	55.2	29.99	80.17	4	3.4	XIJANG-INDIA(UTTARAKHAND)
2016	10	14	04	51	28.2	32.97	75.92	10	3.7	JAMMU & KASHMIR, INDIA
2016	10	14	10	34	34.5	25.37	91.79	10	3.9	MEGHALAYA, INDIA
2016	10	17	00	30	46.7	29.69	80.39	4	3.6	INDIA(UTTARAKHAND)-NEPAL
2016	10	18	21	31	31.7	22.63	92.60	10	3.1	INDIA(MIZORAM)-BANGLADESH
2016	10	21	13	04	56.7	24.88	91.08	10	3.8	BANGLADESH-INDIA Border
2016	10	22	06	00	19.2	24.79	94.08	36	3.9	MANIPUR, INDIA
2016	10	23	15	56	40.0	25.81	90.25	7	4.7	Assam, India
2016	10	25	22	00	39.0	7.88	91.95	41	4.7	Nicobar Islands,
2016	10	26	06	29	7.3	23.23	92.78	11	5.0	Mizoram, India
2016	10	27	08	50	11.3	29.85	80.15	32	3.3	UTTARAKHAND, INDIA
2016	10	31	22	55	3.5	26.27	95.06	69	3.4	NAGALAND, INDIA
2016	11	02	09	11	6.9	18.76	76.57	15	2.5	MADHYA PRADESH, INDIA
2016	11	03	04	06	57.5	23.45	70.15	17	3.3	KachchhRegion,Gujarat
2016	11	08	00	37	24.5	26.54	93.01	53	3.6	Assam,India
2016	11	11	08	25	4.5	26.51	92.57	40	3.5	ARUNACHAL PRADESH, INDIA
2016	11	11	16	20	11.3	7.19	91.90	30	3.5	Nicobar Islands, India
2016	11	13	21	22	24.6	10.45	93.67	10	3.9	Andaman Islands, India
2016	11	15	02	10	22.2	24.67	92.38	28	4.7	Assam, India
2016	11	15	14	27	16.7	24.60	93.66	38	3.2	Manipur, India
2016	11	16	05	07	45.7	31.43	75.78	10	3.7	Punjab, India
2016	11	16	22	59	24.2	27.75	76.56	10	4.5	Rajasthan, India
2016	11	17	04	10	39.9	26.41	93.34	30	3.4	ASSAM, INDIA
2016	11	21	18	09	18.0	27.99	91.74	5	4.0	Bhutan-India(ArunachalP)
2016	11	23	02	31	1.7	30.46	78.10	10	3.4	Uttrakhand, India
2016	11	23	17	02	51.7	26.45	93.31	38	3.3	Assam, India
2016	11	23	19	57	53.7	24.69	94.70	24	3.3	Myanmar-India(Manipur)
2016	11	24	02	06	31.6	24.79	94.50	85	3.4	India(Manipur)-Myanmar
2016	11	24	19	27	25.7	17.25	73.83	10	4.3	Koyna Region, Maha.,
2016	11	25	11	17	7.3	13.00	92.97	10	4.6	Andaman Islands, India
2016	11	25	19	37	54.2	7.18	92.47	10	4.5	Nicobar Islands, India
2016	11	30	22	42	53.5	31.17	77.55	10	3.4	Himachal Pradesh, India
2016	12	01	16	52	48.7	29.82	80.57	13	5.2	UTTARAKHAND, INDIA
2016	12	01	19	05	24.0	29.62	80.80	10	2.7	UTTARAKHAND, INDIA
2016	12	01	19	39	16.2	29.98	80.28	15	2.9	UTTARAKHAND, INDIA
2016	12	01	19	41	18.0	27.51	88.78	5	3.3	SIKKIM, INDIA

2016	12	01	22	03	4.8	25.02	94.60	17	3.5	MANIPUR, INDIA
2016	12	02	22	50	34.5	33.26	75.67	5	3.2	JAMMU & KASHMIR, INDIA
2016	12	03	19	42	17.2	11.06	91.76	33	4.7	Andaman Islands, India
2016	12	07	05	21	25.7	23.40	70.50	15	3.3	GUJARAT, INDIA
2016	12	08	09	41	25.0	23.84	93.88	94	3.4	MYANMAR-INDIA (MANIPUR)
2016	12	11	01	57	27.2	25.73	91.90	5	3.9	MEGHALAYA, INDIA
2016	12	11	11	06	17.7	29.18	77.90	10	3.1	UTTAR PRADESH, INDIA
2016	12	11	19	43	11.0	25.32	91.07	33	3.6	MEGHALAYA, INDIA
2016	12	12	02	21	39.4	30.93	78.02	5	3.2	UTTARAKHAND, INDIA
2016	12	12	07	48	55.9	26.34	93.34	35	3.3	ASSAM, INDIA
2016	12	13	22	41	38.2	30.95	77.99	10	3.5	UTTARAKHAND, INDIA
2016	12	14	12	58	7.0	27.71	76.86	10	2.6	RAJASTHAN, INDIA
2016	12	17	17	25	55.4	34.32	73.86	10	4.5	JAMMU & KASHMIR, INDIA
2016	12	19	04	31	56.7	30.89	77.96	10	3.2	UTTARAKHAND, INDIA
2016	12	19	17	14	0.6	24.87	94.28	92	3.1	MANIPUR, INDIA
2016	12	20	07	01	18.5	26.29	93.23	34	3.7	ASSAM, INDIA
2016	12	21	21	53	27.2	25.18	93.95	11	3.6	MANIPUR, INDIA
2016	12	23	04	56	13.8	12.23	92.31	17	4.1	Andaman Islands,
2016	12	26	08	45	47.7	30.89	77.95	10	3.2	HIMACHAL PRADESH, INDIA
2016	12	26	16	17	14.8	25.73	74.24	10	3.3	RAJASTHAN, INDIA
2016	12	26	22	26	52.4	31.60	77.25	10	3.2	HIMACHAL PRADESH, INDIA
2016	12	27	07	17	12.3	34.67	73.51	33	4.3	JAMMU & KASHMIR, INDIA
2016	12	27	10	50	16.6	13.15	93.30	6	3.9	Andaman and Nicobar
2016	12	27	21	21	50.5	13.25	92.15	10	4.4	Andaman Islands
2017	01	02	07	16	48.2	34.91	73.17	33	3.7	PAKISTAN-INDIA (J&K) BORD
2017	01	03	09	09	3.0	24.14	91.88	33	5.4	Tripura, India
2017	01	03	19	32	27.2	27.92	93.79	10	4.1	Arunachal Pradesh, India
2017	01	03	23	27	4.5	24.13	92.00	7	3.7	TRIPURA, INDIA
2017	01	04	13	40	31.5	24.43	93.07	81	3.5	MANIPUR-MIZORAM-ASSAM
2017	01	05	20	28	54.0	7.37	95.19	222	4.6	Nicobar Islands,
2017	01	06	15	03	50.7	24.11	91.83	87	4.0	INDIA (TRIPURA) -BENGLADESH
2017	01	08	04	28	14.8	25.12	94.57	82	3.5	MANIPUR, INDIA
2017	01	08	22	52	13.3	19.22	74.11	5	2.9	MAHARASHTRA, INDIA
2017	01	10	15	25	41.9	30.36	79.44	10	3.0	UTTARAKHAND, INDIA
2017	01	11	13	21	18.5	28.02	93.85	3	3.0	ARUNACHAL PRADESH, INDIA
2017	01	16	14	41	50.4	28.67	76.65	13	2.3	HARYANA, INDIA
2017	01	17	13	02	31.7	36.03	77.87	33	3.9	CHINA-INDIA (J&K)
2017	01	17	15	22	11.8	28.00	88.22	34	3.2	INDIA (SIKKIM) -XIJIANG
2017	01	18	01	46	10.6	23.92	92.91	32	3.5	MIZORAM, INDIA
2017	01	18	15	42	40.7	12.25	95.10	15	4.2	Andaman Islands,
2017	01	19	19	22	42.4	27.94	92.58	10	3.7	XIJIANG-INDIA (ARUNACHAL P
2017	01	23	09	33	4.5	30.89	78.26	10	3.2	UTTARAKHAND, INDIA
2017	01	24	12	25	39.4	25.64	91.80	19	4.0	Meghalaya, India

2017 01 24	18 14	30.7	25.57	94.33	35	3.3	NAGALAND-MANIPUR BORD.
2017 01 31	05 28	42.0	26.42	93.56	40	3.5	ASSAM, INDIA
2017 02 03	13 35	47.5	30.55	79.39	10	3.4	Uttrakhand, India
2017 02 04	07 05	20.2	32.34	76.56	5	3.4	Himachal Pradesh India
2017 02 05	12 54	59.0	27.97	93.87	10	3.9	Arunachal Pradesh, India
2017 02 06	17 03	7.0	30.45	79.10	5	5.2	Uttaranchal, India
2017 02 06	20 21	46.0	30.47	79.14	10	3.6	Uttrakhand, India
2017 02 08	08 14	29.7	26.92	92.92	20	3.9	Assam, India
2017 02 11	17 21	13.6	30.53	79.18	10	3.4	Uttarakhand,India
2017 02 11	18 12	50.5	23.94	91.80	10	3.5	Tripura,India
2017 02 12	04 05	30.5	25.52	90.92	10	4.2	Meghalaya,India
2017 02 16	15 13	15.6	27.00	92.81	20	4.0	Assam-Arunachal Bord
2017 02 17	07 46	54.0	28.71	76.92	5	2.1	Delhi-Haryana,Bord
2017 02 18	18 53	42.4	26.47	93.08	40	3.7	Assam, India
2017 02 23	21 39	15.8	27.93	87.93	55	3.5	Sikkim , India
2017 02 24	12 02	47.4	24.03	93.46	20	4.9	Manipur, India
2017 02 24	21 00	38.2	29.20	95.97	40	2.9	Arunachal Pradesh, India
2017 02 25	07 02	20.2	24.11	92.07	30	4.0	Tripura, India
2017 02 27	16 23	51.2	33.92	74.66	10	2.7	Jammu & Kashmir, India
2017 02 28	10 42	17.0	10.69	92.51	10	4.1	Andaman Islands, India
2017 03 01	03 16	51.7	12.15	93.24	82	4.6	Andaman Islands, India
2017 03 01	16 21	3.5	11.90	92.14	10	3.9	Andaman Islands, India
2017 03 01	20 09	30.0	32.37	76.74	10	3.3	Himachal Pradesh, India
2017 03 01	23 06	31.2	27.36	75.70	5	2.7	Rajasthan, India
2017 03 01	03 16	51.7	12.15	93.24	82	4.6	Andaman Islands, India
2017 03 01	16 21	3.5	11.90	92.14	10	3.9	Andaman Islands, India
2017 03 01	20 09	30.0	32.37	76.74	10	3.3	Himachal Pradesh, India
2017 03 01	23 06	31.2	27.36	75.70	5	2.7	Rajasthan, India
2017 03 03	13 08	24.2	28.31	76.06	10	2.1	Haryana, India
2017 03 03	23 30	3.2	24.83	94.54	70	4.0	Manipur, India
2017 03 04	06 50	43.0	25.30	90.90	5	3.3	Meghalaya, India
2017 03 09	08 35	24.7	35.94	76.31	10	3.7	Jammu & Kashmir, India
2017 03 09	08 39	54.7	32.69	76.72	5	3.3	Himachal Pradesh, India
2017 03 10	12 39	36.0	8.74	91.72	10	4.6	Nicobar Islands, India
2017 03 13	10 22	17.5	24.54	72.09	10	4.3	Gujarat, India
2017 03 14	00 17	58.4	33.01	76.19	5	3.3	Jammu & Kashmir, India
2017 03 14	02 51	22.7	6.78	92.01	10	6.2	Nicobar Islands,
2017 03 17	10 24	17.2	28.02	76.36	5	3.0	Haryana-Rajasthan Bord.
2017 03 17	14 01	43.4	11.17	92.71	15	4.9	Andaman Islands,
2017 03 19	08 57	5.5	10.21	93.81	10	4.0	Nicobar Islands,
2017 03 19	09 10	49.2	24.29	94.93	100	3.1	Myanmar-India Bord.
2017 03 21	15 40	43.7	24.98	92.06	20	3.9	Meghalaya-Bangladesh Bor
2017 03 24	07 12	24.7	27.42	75.52	5	2.9	Rajasthan, India

2017 03	26	21	42	9.0	27.49	88.51	10	4.3	West Bengal, India
2017 03	28	10	18	47.9	26.43	93.48	35	3.8	Assam, India
2017 03	29	19	14	34.2	26.10	91.36	27	3.6	Assam, India
2017 03	30	03	40	24.2	26.55	93.02	46	3.8	Assam, India
2017 04	05	16	44	37.4	14.39	92.83	21	5.1	Andaman Islands,
2017 04	07	10	32	57.0	30.56	79.39	10	3.9	UTTARAKHAND, INDIA
2017 04	10	05	24	29.7	27.20	95.34	10	3.5	ASSAM, INDIA
2017 04	10	08	50	33.9	30.74	78.51	10	3.6	UTTARAKHAND, INDIA
2017 04	15	22	35	14.8	26.08	91.05	10	3.4	ASSAM, INDIA
2017 04	16	08	08	1.0	26.18	91.35	12	3.8	ASSAM, INDIA
2017 04	16	23	09	54.5	30.48	79.11	10	3.4	UTTARAKHAND, INDIA
2017 04	18	02	06	11.5	12.48	77.20	10	3.9	KARNATKA, INDIA
2017 04	18	05	11	56.7	34.00	76.54	33	4.7	Jammu and Kashmir, India
2017 04	21	15	33	40.4	24.04	91.78	106	3.5	TRIPURA,INDIA
2017 04	22	18	45	15.1	9.56	87.07	20	4.3	Bay of Bengal
2017 04	23	01	39	20.5	31.64	78.02	5	3.6	HIMACHAL PRADESH, INDIA
2017 04	25	16	14	53.5	25.71	90.75	10	4.1	MEGHALAYA,INDIA
2017 04	27	12	29	26.6	29.00	76.66	12	2.7	HARYANA, INDIA
2017 04	27	21	40	36.0	28.85	76.97	10	2.9	HARYANA, INDIA
2017 04	30	17	32	50.4	27.97	76.38	21	2.0	RAJASTHAN-HARYANA BORD
2017 05	01	06	50	54.2	14.06	93.35	10	4.2	Andaman Islands,
2017 05	01	18	59	25.7	11.24	95.18	30	4.1	Andaman Islands,
2017 05	02	09	51	45.2	32.70	76.16	10	3.5	Jammu & Kashmir, India
2017 05	02	17	43	48.2	27.62	96.41	10	3.3	Arunachal Pradesh, India
2017 05	02	17	47	30.2	27.64	96.51	10	3.2	Arunachal Pradesh, India
2017 05	03	00	12	26.5	24.64	94.88	10	3.3	Manipur, India
2017 05	05	17	58	36.2	13.76	92.38	13	4.6	Andaman Islands,
2017 05	09	01	53	55.7	26.32	92.76	36	3.2	Assam, India
2017 05	09	03	26	53.7	26.51	93.26	30	3.5	Assam, India
2017 05	09	10	33	59.7	30.92	74.99	40	3.4	India-Pakistan Bord
2017 05	16	14	04	40.4	11.48	94.90	10	4.9	Andaman Islands,
2017 05	16	22	13	18.5	27.45	88.19	10	3.4	Sikkim, India
2017 05	17	17	45	48.4	12.80	93.80	10	4.4	Andaman Islands,
2017 05	18	08	43	40.7	24.90	94.74	90	4.1	Manipur, India
2017 05	18	21	53	8.8	32.85	76.36	5	2.1	Himachal pradesh,
2017 05	18	22	08	40.4	32.90	76.35	5	2.5	Himachal pradesh,
2017 05	19	00	02	28.7	32.93	76.35	5	4.1	Himachal Pradesh,
2017 05	20	03	41	42.7	32.96	76.35	5	3.4	Himachal Pradesh,
2017 05	20	05	48	43.2	32.93	76.32	10	4.0	Himachal Pradesh,
2017 05	20	22	17	13.0	32.90	76.30	5	2.5	Himachal Pradesh,
2017 05	21	00	41	30.5	32.92	76.35	5	2.5	Himachal Pradesh,
2017 05	21	04	27	12.0	32.26	76.65	5	3.7	Himachal Pradesh,
2017 05	21	17	38	28.7	12.68	93.04	20	5.0	Andaman Islands,

2017	05	21	21	23	31.0	29.13	96.04	30	3.6	Arunachal Pradesh,
2017	05	22	19	41	20.6	35.17	73.92	100	3.9	Jammu & Kashmir,
2017	05	24	13	54	52.9	23.88	94.44	27	3.5	Myanmar-India Bord.
2017	05	26	14	17	43.5	24.10	94.33	100	3.7	Manipur, India
2017	05	29	13	53	25.5	33.22	75.90	5	4.1	Jammu and Kashmir
2017	05	29	14	43	7.0	27.77	88.49	5	3.6	Sikkim, India
2017	05	30	22	24	45.2	10.43	93.21	110	4.5	Andaman Islands,
2017	06	01	12	12	58.5	24.02	94.07	100	3.4	INDIA (MANIPUR) -MYANMAR
2017	06	01	22	55	57.0	28.85	76.70	19	4.6	HARYANA,
2017	06	01	23	11	39.2	28.84	76.70	5	2.2	HARYANA,
2017	06	01	23	15	6.4	28.87	76.72	15	2.1	HARYANA,
2017	06	01	23	32	37.9	28.89	76.80	32	2.2	HARYANA,
2017	06	02	02	43	12.8	28.93	76.68	7	3.1	HARYANA,
2017	06	02	03	02	18.7	28.89	76.67	10	2.9	HARYANA,
2017	06	02	03	07	38.9	28.88	76.67	10	2.3	HARYANA,
2017	06	02	04	33	14.6	28.90	76.68	10	2.2	HARYANA,
2017	06	02	12	19	33.7	28.88	76.73	19	2.1	HARYANA,
2017	06	02	18	31	48.4	28.00	76.49	21	2.6	RAJASTHAN-HARYANA BORD.
2017	06	02	23	54	55.0	28.15	76.49	25	2.0	HARYANA,
2017	06	02	23	59	48.9	28.91	76.67	10	2.3	HARYANA,
2017	06	03	03	19	25.2	28.90	76.66	10	2.4	HARYANA,
2017	06	03	18	14	52.4	17.07	73.78	12	4.6	KOYNA REGION, MAHA.,
2017	06	05	14	54	32.0	29.23	76.52	10	2.5	HARYANA,
2017	06	05	16	40	6.3	24.12	92.09	13	3.4	TRIPURA,
2017	06	05	22	14	4.5	28.74	76.82	36	2.4	HARYANA,
2017	06	08	04	39	45.2	29.08	76.54	10	2.4	HARYANA,
2017	06	08	22	19	12.6	34.00	75.55	37	3.0	JAMMU & KASHMIR,
2017	06	09	17	38	19.1	27.90	95.97	11	2.8	ASSAM-ARUNACHAL BORD.
2017	06	12	09	11	19.0	30.82	78.58	5	3.3	UTTARAKHAND,
2017	06	14	17	56	18.7	32.82	76.61	10	2.8	HIMACHAL PRADESH,
2017	06	15	01	14	28.1	24.02	94.17	104	3.5	MANIPUR-MYANMAR Bor
2017	06	16	05	14	22.5	26.66	93.97	32	3.3	ASSAM,
2017	06	17	00	08	2.0	28.77	77.09	16	2.2	DELHI
2017	06	18	02	20	0.5	28.96	76.67	10	2.2	HARYANA,
2017	06	18	22	35	41.9	24.60	94.03	7	4.7	Manipur,
2017	06	20	04	31	58.0	27.10	92.42	10	3.2	ARUNACHAL PRADESH,
2017	06	21	16	36	11.8	28.43	77.36	9	2.3	HARYANA-DELHI BORD.
2017	06	21	18	36	10.1	25.72	87.11	10	4.0	BIHAR,
2017	06	21	20	51	19.7	16.97	73.60	15	2.9	MAHARASHTRA,
2017	06	22	06	37	49.0	28.85	76.68	10	3.2	HARYANA,
2017	06	27	14	02	55.7	25.16	94.00	30	3.0	MANIPUR,
2017	06	27	15	16	52.0	24.23	93.68	86	2.6	MANIPUR,
2017	06	27	23	30	35.9	28.89	76.65	10	3.1	HARYANA,

2017	07	02	04	44	34.9	26.95	89.12	7	3.3	India-Bhutan Bord.
2017	07	04	10	05	48.0	26.95	92.17	5	3.2	Arunachal Pradesh,
2017	07	05	09	37	24.1	25.90	90.32	10	3.6	Meghalaya,
2017	07	05	09	45	44.5	30.90	80.99	10	3.7	Uttranchal-Tibet Border
2017	07	08	11	21	2.7	27.28	88.77	5	3.4	Sikkim,
2017	07	08	18	08	36.0	27.58	92.50	5	3.3	Arunachal Pradesh,
2017	07	09	07	59	48.7	29.10	95.82	10	4.8	Arunachal Pradesh,
2017	07	10	10	44	41.2	10.06	93.68	10	3.5	Andaman Islands,
2017	07	10	21	38	57.2	30.40	79.17	10	3.5	Uttranchal,
2017	07	10	23	28	42.2	26.39	93.30	40	3.0	Assam,
2017	07	13	22	18	33.4	14.30	93.69	5	3.5	Andaman Islands,
2017	07	15	02	25	32.5	30.36	77.46	10	3.4	Himachal Pradesh,
2017	07	17	09	47	27.2	26.82	89.25	10	3.8	India-Bhutan Bord.
2017	07	18	17	05	19.2	24.64	94.25	26	3.5	Manipur,
2017	07	18	23	11	56.0	25.06	94.35	31	3.1	Manipur, India
2017	07	19	13	48	13.3	33.23	76.71	5	3.3	Himachal Pradesh,India
2017	07	21	00	23	38.5	24.08	91.90	13	4.4	Tripura, India
2017	07	22	20	23	17.7	23.18	93.90	21	3.4	Myanmar-India Bord.
2017	07	23	21	43	42.5	26.95	96.01	20	3.2	Myanmar-India Bord.
2017	07	25	09	09	7.0	23.50	90.70	37	3.7	Bangladesh-India Bord.
2017	07	25	18	28	1.1	26.39	93.19	36	3.5	Assam,
2017	07	29	22	01	23.7	24.07	93.90	70	3.1	Manipur,
2017	07	31	00	57	23.7	26.80	92.36	10	3.9	Assam,
2017	08	02	18	18	8.8	24.38	93.47	89	5.2	Manipur
2017	08	05	12	24	59.0	26.58	92.38	24	3.3	ASSAM,
2017	08	06	03	48	34.5	6.42	95.35	33	4.7	Nicobar Islands,
2017	08	07	11	25	5.9	26.39	91.68	10	3.7	ASSAM,
2017	08	08	00	35	37.2	24.33	93.57	72	4.2	Manipur,
2017	08	10	16	18	42.7	31.75	78.22	10	3.0	HIMACHAL PRADESH,
2017	08	11	02	39	37.2	27.74	97.41	7	3.4	MYANMAR-ARUNACHALPRADESH
2017	08	11	03	34	55.7	13.70	92.77	31	4.5	Andaman Islands,
2017	08	16	03	26	48.5	32.81	76.47	10	4.1	Himachal Pradesh,
2017	08	16	06	35	22.2	19.51	77.13	10	3.0	MAHARASHTRA,
2017	08	17	03	52	31.2	26.62	95.46	94	4.0	MYANMAR-INDIA (NAGALAND)
2017	08	17	07	38	32.9	25.88	94.49	31	4.5	Nagaland,
2017	08	19	16	52	33.2	17.18	73.82	8	4.2	KOYNA REGION, MAHA.,
2017	08	22	15	22	5.9	30.56	79.95	10	3.7	UTTARAKHAND,
2017	08	23	20	58	36.9	35.82	74.18	33	4.4	JAMMU & KASHMIR,
2017	08	24	00	14	52.9	28.73	79.21	40	3.3	UTTAR PRADESH,
2017	08	27	08	05	13.1	17.27	73.89	10	2.8	KOYNAREGION,MAHA
2017	09	01	03	11	32.4	26.06	94.43	20	3.1	NAGALAND,
2017	09	02	21	04	21.7	24.85	94.11	38	3.5	MANIPUR,
2017	09	03	06	52	26.7	9.94	92.77	68	4.8	Nicobar Islands,

2017 09 05	18 06	45.4	8.56	93.37	95	4.6	Nicobar Islands,
2017 09 06	00 11	1.7	10.75	93.19	105	4.9	Andaman Islands,
2017 09 07	11 09	51.5	23.98	94.32	109	3.5	MYANMAR-INDIA (MANIPUR)
2017 09 07	14 31	59.2	25.18	90.10	8	4.0	Meghalaya,
2017 09 09	14 18	56.2	28.11	96.60	10	3.5	ARUNACHAL PRADESH,
2017 09 11	16 44	58.9	11.84	93.74	88	4.1	Andaman Islands,
2017 09 14	03 40	33.0	24.36	94.06	66	3.4	MANIPUR,
2017 09 15	22 37	57.0	12.97	91.92	38	4.5	Andaman Islands,
2017 09 17	10 27	10.1	12.95	91.92	38	4.7	Andaman Islands,
2017 09 17	14 48	12.0	12.91	91.95	38	4.8	Andaman Islands,
2017 09 19	19 16	51.2	28.99	76.60	14	2.7	HARYANA,
2017 09 20	15 18	40.2	26.09	71.56	10	3.5	RAJASTHAN,
2017 09 21	08 08	53.2	28.67	76.58	15	2.7	HARYANA,
2017 09 21	22 35	55.9	24.34	93.50	59	3.2	MANIPUR,
2017 09 23	00 14	9.3	34.22	74.27	10	4.8	Jammu and Kashmir,
2017 09 24	08 37	8.5	24.72	94.70	117	3.3	MYANMAR-INDIA (MANIPUR)
2017 09 24	11 06	56.2	32.41	76.26	10	3.5	HIMACHAL PRADESH,
2017 09 25	10 42	38.4	24.33	94.33	33	3.1	INDIA (MANIPUR) -MYANMAR
2017 09 25	20 27	7.0	12.96	92.09	10	4.2	Andaman and Nicobar,
2017 09 27	08 24	7.5	28.64	77.12	18	2.0	DELHI, INDIA
2017 09 27	12 18	20.7	26.43	92.85	37	3.3	ASSAM, INDIA
2017 09 28	23 27	18.0	23.74	92.88	10	3.1	MIZORAM, INDIA
2017 10 01	12 18	12.3	28.79	96.32	30	4.2	Arunachal Pradesh,
2017 10 01	12 49	2.7	12.92	91.91	24	4.6	Andaman Islands,
2017 10 01	14 35	34.7	12.94	91.96	33	4.3	Andaman Islands,
2017 10 02	11 02	30.6	32.42	76.82	5	3.1	Himachal Pradesh,
2017 10 02	23 31	42.0	12.90	91.94	70	4.9	Andaman Islands,
2017 10 03	13 48	34.2	25.14	94.74	33	4.1	Manipur,
2017 10 04	21 29	8.3	26.78	89.32	10	3.6	West Bengal,
2017 10 05	10 25	39.2	26.71	95.54	12	4.0	Arunachal Pradesh,
2017 10 06	02 10	20.2	27.83	95.93	14	3.8	Arunachal Pradesh,
2017 10 06	04 36	46.0	27.88	95.88	9	4.1	Aranachal Pradesh,
2017 10 06	14 00	29.7	11.95	95.45	10	5.3	Andaman Islands,
2017 10 09	19 32	37.2	12.88	92.31	10	4.2	Andaman Islands,
2017 10 10	14 42	22.7	13.27	93.18	10	3.7	Andaman Islands,
2017 10 11	06 02	56.5	19.95	83.38	15	3.2	Orissa,
2017 10 16	00 59	33.2	23.27	92.75	10	2.9	Mizoram,
2017 10 19	00 54	24.2	33.45	75.82	10	3.2	Jammu and Kashmir
2017 10 19	01 10	19.7	33.96	75.88	35	4.2	Jammu and Kashmir
2017 10 22	03 14	45.5	29.05	76.65	5	2.2	Haryana,
2017 10 23	14 23	43.7	6.74	92.34	15	4.9	Nicobar Islands,
2017 10 25	18 20	42.2	13.32	92.68	30	4.2	Andaman Islands,
2017 10 27	02 37	42.7	31.47	77.29	10	4.1	Himachal Pradesh,

2017	10	27	08	54	22.7	32.29	76.33	5	3.6	Himachal Pradesh,
2017	10	28	16	53	50.7	28.37	76.19	5	3.1	Haryana,
2017	10	31	06	53	7.9	18.09	76.64	4	2.9	Maharashtra,
2017	10	31	06	53	55.4	32.28	76.31	5	2.2	Himachal Pradesh
2017	11	04	20	48	0.3	32.62	78.90	38	3.2	INDIA (J&K) -CHINA BORDER
2017	11	07	19	45	36.9	26.47	92.75	10	3.3	ASSAM,
2017	11	08	21	22	28.2	29.95	77.59	11	3.1	UTTAR PRADESH,
2017	11	09	23	49	6.0	17.32	73.69	13	3.7	KOYNA REGION, MAHA.,
2017	11	12	05	16	3.5	29.13	79.19	24	3.5	UTTRAKHAND-UTTAR PRADESH
2017	11	12	19	32	8.1	26.23	93.27	13	2.3	ASSAM,
2017	11	18	09	51	18.2	26.29	73.86	12	3.9	RAJASTHAN,
2017	11	18	13	02	10.3	29.91	80.30	19	3.2	UTTARAKHAND,
2017	11	19	07	03	46.5	31.02	76.40	10	3.0	PUNJAB,
2017	11	22	03	42	40.2	35.06	70.33	78	4.6	MANIPUR,
2017	11	30	11	45	12.3	30.41	76.55	10	3.6	PUNJAB,
2017	12	02	19	36	21.2	12.19	95.08	10	4.7	Andaman Islands,
2017	12	02	20	25	7.5	25.24	93.39	30	2.8	Assam,
2017	12	02	23	43	45.4	27.30	88.26	5	3.8	Sikkim,
2017	12	05	14	58	37.7	22.73	86.05	20	3.4	Jharkhand,
2017	12	06	15	19	49.5	30.56	79.21	5	4.8	Uttaranchal,
2017	12	06	19	39	28.7	17.59	73.27	5	3.1	Maharashtra,
2017	12	06	19	52	42.7	24.43	92.04	50	2.4	India-Bangladesh Border
2017	12	08	17	37	37.4	24.26	93.29	30	2.6	Manipur,
2017	12	08	17	55	54.2	25.70	91.54	10	3.1	Maghalaya,
2017	12	09	10	43	5.9	33.45	76.81	5	4.4	Jammu and Kashmir,
2017	12	10	22	58	53.5	34.59	78.81	40	3.9	Jammu and Kashmir,
2017	12	11	03	35	14.3	25.75	90.69	10	4.5	Meghalaya,
2017	12	11	16	49	43.7	11.45	94.06	136	4.6	Andaman Islands,
2017	12	13	13	38	38.5	24.16	94.35	98	3.0	Manipur,
2017	12	15	21	25	19.6	26.36	93.78	47	3.3	Assam,
2017	12	17	06	20	41.2	27.57	94.30	10	4.1	Assam,
2017	12	17	20	46	55.2	28.59	77.18	10	1.9	Delhi,
2017	12	18	11	54	52.0	29.49	80.71	10	2.8	Nepal - India Border
2017	12	19	12	17	32.2	31.34	76.41	20	2.7	Punjab,
2017	12	19	13	23	36.2	10.12	93.64	13	4.8	Nicobar Islands,
2017	12	21	18	47	11.3	27.41	92.60	5	3.9	Arunachal Pradesh,
2017	12	22	15	58	51.7	10.16	92.97	30	5.0	Andaman Islands,
2017	12	25	04	14	22.2	19.80	73.18	10	3.0	Maharashtra,
2017	12	25	23	51	27.2	34.41	73.73	10	3.9	Jammu Kashmir,
2017	12	27	15	15	52.7	9.00	77.08	5	3.1	Tamilnadu,
2017	12	28	11	17	25.7	30.52	79.18	5	4.1	Uttarakhand,
2017	12	29	11	29	41.9	8.74	92.35	20	5.4	Nicobar Islands,
2017	12	30	14	36	15.5	30.56	79.28	10	2.8	Uttarakhand,

2017	12	30	18	32	9.6	25.74	91.02	10	2.9	Meghalaya,
2017	12	31	00	31	20.7	27.29	92.83	10	3.3	Arunachal Pradesh,
2017	12	31	16	11	27.2	26.33	93.20	37	2.8	Assam,
2018	01	01	01	03	16.7	25.02	93.67	6	3.4	MANIPUR,
2018	01	01	16	01	2.9	26.70	92.46	60	3.6	ASSAM,
2018	01	01	20	51	46.2	19.83	73.27	10	3.5	MAHARASHTRA,
2018	01	02	20	47	54.0	8.00	91.48	33	4.5	Nicobar Islands,
2018	01	04	19	57	32.5	7.15	95.81	256	4.8	Nicobar Islands,
2018	01	05	07	11	4.9	25.91	92.50	10	3.9	ASSAM,
2018	01	05	20	23	7.0	26.09	92.22	12	3.2	MEGHALAYA-ASSAM BORD.
2018	01	06	09	01	58.7	26.34	92.97	34	3.3	ASSAM,
2018	01	09	12	55	32.9	32.86	76.16	5	2.9	HIMACHAL PRADESH,
2018	01	09	19	20	17.0	25.50	90.44	15	3.0	MEGHALAYA,
2018	01	13	08	20	30.7	22.77	92.38	15	2.5	BANGLADESH-MIZORAM
2018	01	14	15	48	8.5	12.17	92.30	18	4.7	Andaman Islands,
2018	01	16	07	35	31.7	17.28	73.71	5	3.4	KOYNA REGION, MAHA.
2018	01	19	20	11	13.6	25.00	94.78	127	3.8	MYANMAR-MANIPUR BORD.
2018	01	20	01	14	27.1	26.25	89.88	10	4.4	Assam,
2018	01	21	06	06	45.0	17.19	73.72	5	3.3	KOYNA REGION, MAHA.,
2018	01	23	13	02	8.3	21.25	70.53	10	3.6	GUJARAT,
2018	01	24	11	01	46.0	14.10	92.86	10	4.0	Andaman Islands,
2018	01	25	01	15	58.9	8.42	91.61	10	6.1	Nicobar Islands,
2018	01	25	03	48	27.6	8.25	91.78	10	5.2	Nicobar Islands,
2018	01	27	21	46	56.5	24.65	94.39	68	3.2	MANIPUR,
2018	01	28	21	02	52.4	25.38	90.29	15	3.1	MEGHALAYA,
2018	02	02	01	41	53.5	17.25	73.73	5	3.2	Koyna, Maharashtra
2018	02	04	19	40	45.5	24.21	93.64	30	3.6	Manipur
2018	02	04	19	41	49.0	24.15	93.74	30	3.7	Manipur
2018	02	11	21	40	25.6	30.06	77.22	10	2.5	Uttar Pradesh,
2018	02	13	02	39	50.2	12.36	92.90	27	5.8	Andaman Islands,
2018	02	14	18	43	6.0	27.51	92.45	10	3.2	Arunachal Pradesh,
2018	02	15	21	01	25.6	8.68	93.93	30	4.1	Nicobar Islands,
2018	02	18	20	33	18.6	24.70	95.00	23	3.0	Manipur,
2018	02	20	07	11	41.0	33.09	75.82	10	3.2	Jammu & Kashmir,
2018	02	24	09	42	39.9	26.30	92.92	51	3.2	Assam,
2018	02	25	09	54	17.7	26.79	92.71	11	3.1	Assam
2018	02	25	11	06	25.2	22.51	69.43	10	3.4	Gujarat,
2018	02	26	08	42	23.7	27.17	92.56	20	3.3	Arunachal Pradesh,
2018	02	28	05	47	43.4	30.71	78.68	10	3.1	Uttarakhand,
2018	03	03	01	31	30.2	23.97	93.89	96	3.9	MANIPUR-MYANMAR Bor
2018	03	05	20	13	41.0	17.35	73.63	10	3.2	KOYNA REGION, MAHA
2018	03	05	20	41	48.5	26.54	93.43	54	3.5	ASSAM,
2018	03	06	03	06	52.5	13.76	92.66	13	4.4	Andaman Islands,

2018	03	06	04	40	2.2	6.87	94.54	78	5.2	Nicobar Islands,
2018	03	10	03	21	27.0	35.99	76.67	10	4.0	JAMMU & KASHMIR,
2018	03	15	02	26	3.2	24.41	93.65	85	4.6	Manipur,
2018	03	15	14	53	22.6	33.19	76.04	10	3.8	Jammu and Kashmir
2018	03	15	17	07	22.2	25.22	93.54	10	3.2	MANIPUR-NAGALAND BORD.
2018	03	16	19	58	32.5	12.48	94.07	123	4.2	Andaman Islands
2018	03	19	21	53	28.2	6.78	94.24	89	4.3	Nicobar Islands
2018	03	21	22	58	24.2	26.18	89.72	10	4.0	Assam,
2018	03	28	22	33	8.8	23.49	70.48	10	4.2	KUTCH REGION, GUJARAT,
2018	03	28	22	36	38.5	23.15	70.50	24	3.7	KUTCH REGION,
2018	03	30	22	33	20.0	21.81	92.98	7	3.9	Mizoram,
2018	04	01	15	11	47.2	29.86	80.28	18	3.8	Uttarakhand,
2018	04	02	23	18	10.3	13.14	93.53	79	3.8	ANDAMAN ISLANDS REGION,
2018	04	09	07	05	37.9	30.02	80.15	10	3.1	UTTARAKHAND,
2018	04	09	23	11	41.0	14.01	92.63	10	4.0	Andaman Islands,
2018	04	10	14	14	21.2	24.09	82.54	10	4.8	Madhya Pradesh
2018	04	16	06	08	3.2	7.64	91.46	10	4.3	Nicobar Islands
2018	04	16	15	34	11.3	30.89	74.73	35	3.3	PUNJAB,
2018	04	21	07	10	58.5	24.46	93.07	36	3.8	MANIPUR,
2018	04	21	11	26	33.9	21.59	73.17	6	3.8	GUJARAT,
2018	04	23	18	01	26.1	12.94	92.18	33	4.9	Andaman Islands,
2018	04	24	01	15	48.5	11.64	93.30	108	4.4	Andaman Islands,
2018	04	24	18	46	52.0	28.78	77.04	10	3.5	DELHI-HARYANA, BORD
2018	04	26	18	47	39.9	7.32	92.41	37	4.2	Nicobar Islands
2018	04	26	20	54	20.2	25.60	88.86	10	3.2	BANGLADESH-WEST BENGAL
2018	04	27	20	33	35.7	29.17	76.82	10	3.6	HARYANA,
2018	05	05	17	50	30.2	8.68	94.17	72	4.2	Nicobar Islands,
2018	05	06	09	53	43.7	25.73	90.53	10	3.7	Meghalaya
2018	05	11	02	11	49.5	25.14	95.29	22	3.6	Mayanmar-India Bor
2018	05	12	03	57	39.2	32.34	76.64	5	3.2	Himachal Pradesh
2018	05	13	18	21	1.0	8.09	93.68	50	5.3	Nicobar Islands,
2018	05	13	18	46	10.3	7.70	93.47	70	4.8	Nicobar Islands,
2018	05	15	01	17	30.1	26.53	93.09	30	3.4	Assam,
2018	05	21	10	51	6.5	31.66	78.33	10	4.5	Himachal Pradesh,
2018	05	21	10	57	52.0	24.90	92.13	5	3.1	Meghalaya,
2018	05	21	11	32	7.9	25.91	90.36	10	3.9	Meghalaya,
2018	05	22	12	35	14.0	31.75	78.42	5	3.5	Himachal Pradesh,
2018	05	22	17	06	17.7	31.61	78.61	5	2.4	Himachal Pradesh,
2018	05	24	14	17	1.5	24.90	93.29	5	3.1	Manipur,
2018	05	24	14	25	18.7	29.74	80.59	10	3.4	India -Nepal Bor
2018	05	24	21	05	23.7	31.58	78.22	5	3.4	Himachal Pradesh,
2018	05	25	07	22	51.4	31.53	78.19	5	3.6	Himachal Pradesh,
2018	05	25	17	41	50.9	10.75	93.99	130	4.2	Andaman Islands,

2018	05	25	20	25	44.7	26.38	93.45	10	3.7	Assam,
2018	05	28	02	00	8.8	10.10	93.23	108	5.1	Nicobar Islands,
2018	05	29	18	35	55.5	31.50	77.71	12	2.4	HIMACHAL PRADESH,
2018	06	06	17	41	25.2	30.77	78.98	10	4.1	Uttarakhand,
2018	06	06	17	44	16.1	30.78	78.80	10	3.5	Uttarakhand,
2018	06	07	06	51	17.7	34.52	78.43	10	4.2	Jammu and Kashmir,
2018	06	10	22	38	20.7	13.60	92.31	10	4.6	Andaman Islands,
2018	06	11	04	53	51.2	26.47	92.44	60	4.8	Assam,
2018	06	14	00	42	10.0	30.84	78.23	10	3.8	Uttarakhand,
2018	06	14	10	15	51.0	32.54	76.24	10	4.1	Himachal Pradesh,
2018	06	16	22	06	36.2	31.42	77.60	10	3.3	HIMACHAL PRADESH,
2018	06	17	15	07	34.5	27.59	88.39	14	4.4	Sikkim,
2018	06	18	02	43	19.6	25.03	94.57	92	3.1	MANIPUR,
2018	06	18	23	45	3.5	35.80	78.81	10	4.3	INDIA (J&K) --CHINA (UYGUR)
2018	06	20	07	44	26.7	24.61	94.25	56	4.5	Manipur,
2018	06	20	19	04	14.1	10.11	93.09	108	4.3	Andaman Islands,
2018	06	21	20	29	27.5	7.82	94.15	10	4.7	Nicobar Islands,
2018	06	22	21	07	25.2	32.86	76.05	6	3.0	H.P.- J&K BORD.REGION
2018	06	24	15	58	10.0	26.05	93.50	25	3.8	ASSAM,
2018	06	25	19	57	47.2	32.74	76.00	5	3.1	HIMACHAL PRADESH,
2018	06	28	19	03	20.7	14.05	92.69	20	4.2	Andaman Islands,
2018	07	01	10	07	03.0	28.90	77.00	5	4.0	Sonipat, Haryana
2018	07	02	22	17	29.0	28.80	77.10	17	2.8	Delhi-Haryana (Sonipat)
2018	07	03	23	55	16.0	13.20	93.80	10	4.5	Andaman Islands
2018	07	04	20	34	53.0	14.70	96.40	10	5.2	Andaman Islands Region
2018	07	04	07	12	47.0	13.20	92.60	10	5.2	Andaman Islands Region
2018	07	06	11	14	24.0	29.10	77.20	10	3.5	HARYANA (SONIPAT)-UP
2018	07	08	09	54	35.0	7.400	94.30	70	4.7	Nicobar Islands
2018	07	08	04	13	22.0	27.30	75.90	10	4.3	Jaipur
2018	07	09	08	05	48.0	30.60	79.30	25	3.2	Rudraprayag,
2018	07	09	07	22	17.0	12.50	75.60	10	3.4	Kodagu,
2018	07	13	16	01	05.0	19.10	73.20	5	2.8	Raigarh,
2018	07	19	23	49	12.0	26.40	90.60	40	3.3	BONGAIGAON (ASSAM)
2018	07	21	19	37	45.0	34.40	74.00	10	4.0	JAMMU & KASHMIR
2018	07	21	09	19	37.0	34.50	74.10	30	3.9	JAMMU & KASHMIR
2018	07	22	02	17	31.0	11.60	78.10	15	3.3	SALEM, TAMILNADU
2018	07	25	13	22	12.0	32.20	76.20	10	2.9	DISTT. KANGRA, HP
2018	07	26	07	57	56.0	25.20	94.30	36	3.4	Senapati, Manipur
2018	07	27	08	12	31.0	32.20	76.30	10	3.8	Kangra, Himachal Pradesh
2018	07	28	03	05	41.0	29.30	77.80	10	3.5	Muzaffarnagar,
2018	07	30	19	48	51.0	32.30	76.30	10	3.1	Kangra, Himachal Pradesh
2018	08	06	04	35	49.0	7.500	91.80	10	5.3	Nicobar Islands Region
2018	08	07	16	17	59.0	24.20	82.60	10	3.0	Sidhi, Madhya Pradesh

2018	08	08	21	33	52.0	20.60	85.10	10	3.6	Cuttack, Orissa
2018	08	13	16	07	10.0	14.20	93.20	10	4.7	Andman Islands
2018	08	14	15	38	02.0	17.50	80.40	10	3.7	Khammam, Telangana
2018	08	15	13	51	25.0	21.10	85.00	44	3.5	Angul, Odisha
2018	08	16	11	55	24.0	24.80	93.10	10	3.9	Cachar, Assam
2018	08	16	08	13	04.0	9.900	93.40	30	4.7	Nicobar Islands Region
2018	08	20	02	19	04.0	30.10	79.80	10	3.6	Bageshwar, Uttarakhand
2018	08	22	14	25	18.0	26.30	91.70	15	4.1	Kamrup, Assam
2018	08	23	21	55	50.0	27.80	75.70	18	3.7	Jhunjhunu, Rajasthan
2018	08	24	12	18	09.0	10.60	91.50	10	5.0	Andaman Islands Region
2018	08	24	10	49	27.0	10.50	91.70	10	5.5	Andaman Islands Region
2018	08	28	13	03	29.0	22.60	87.70	10	4.8	PaschimMedinipur, WB
2018	08	30	18	04	36.0	27.50	75.60	5	3.5	Sikar, Rajasthan
2018	09	01	18	09	57.0	23.30	82.50	10	4.7	Korea, Chhattisgarh
2018	09	04	17	53	26.0	26.50	94.80	22	3.5	Tuensang, Nagaland
2018	09	05	19	05	15.0	32.80	76.00	10	3.4	Chamba Himachal Pradesh
2018	09	06	03	04	47.0	32.70	75.90	5	3.2	Jammu and Kashmir
2018	09	09	11	07	03.0	28.50	76.70	10	3.8	Jhajjar, Haryana
2018	09	10	00	58	06.0	28.60	76.80	10	3.7	Jhajjar, Haryana
2018	09	11	23	45	18.0	35.60	76.30	20	4.6	Jammu & Kashmir
2018	09	12	04	50	49.0	26.40	90.10	13	5.5	Kokrajhar, Assam
2018	09	12	00	13	23.0	28.60	76.80	5	3.1	Jhajjar, Haryana
2018	09	13	17	23	35.0	26.40	90.10	10	4.3	Kokrajhar, Assam
2018	09	13	03	49	02.0	19.70	76.90	10	2.5	Hingoli, Maharashtra
2018	09	14	07	51	25.0	7.100	94.20	10	5.2	Nicobar Islands Region
2018	09	15	06	41	21.0	31.80	78.50	10	3.4	Kinnaur, Himachal Pradesh
2018	09	17	08	09	56.0	24.80	94.20	25	3.5	Ukhrul, Manipur
2018	09	24	08	52	19.0	30.50	77.30	10	3.7	Sirmaur, Himachal Pradesh
2018	09	25	03	47	33.0	26.40	91.10	10	4.7	Barpeta, Assam
2018	10	01	13	24	43.0	12.90	92.30	10	5.0	Andaman Islands Region
2018	10	05	07	15	10.0	28.80	81.60	33	4.5	Nepal-India (UP)
2018	10	05	07	08	06.0	28.80	81.50	10	4.5	Nepal-India (UP)
2018	10	06	15	07	33.0	29.00	79.50	10	3.4	Udham Singh Nagar, UK
2018	10	07	02	39	37.0	36.70	74.50	106	4.6	Jammu & Kashmir
2018	10	09	22	27	53.0	7.400	94.80	50	4.3	Nicobar Islands Region
2018	10	11	09	05	47.0	26.20	92.90	26	3.6	KarbiAnglong, Assam
2018	10	15	22	36	18.0	30.70	78.60	5	3.2	Uttarkashi, Uttarakhand
2018	10	21	12	36	38.0	33.50	75.20	5	3.3	Jammu & Kashmir
2018	10	22	03	41	54.0	31.70	78.30	5	3.0	Kinnaur, HP
2018	10	28	16	53	50.0	8.900	93.80	10	4.5	Nicobar Islands
2018	10	29	14	43	38.0	34.30	78.30	10	5.3	Jammu & Kashmir
2018	10	29	06	27	51.0	34.00	78.80	10	4.4	Jammu & Kashmir
2018	10	31	19	32	34.0	35.60	75.80	10	3.7	Jammu & Kashmir

2018	10	31	15	53	34.0	27.30	88.60	10	2.8	East Sikkim
2018	11	04	18	52	14.0	19.60	76.90	15	2.9	Parbhani-Hingoli Border
2018	11	06	22	50	40.0	24.10	94.00	49	4.1	Chandel, Manipur
2018	11	08	07	37	49.0	28.10	95.70	22	3.5	Dibang Valley, AP
2018	11	10	17	15	42.0	23.90	93.30	24	5.3	Champhai, Mizoram
2018	11	10	00	18	56.0	19.60	76.80	10	3.0	Parbhani, Maharashtra
2018	11	11	12	55	26.0	19.90	73.00	10	3.2	Palghar, Maharashtra
2018	11	11	07	07	32.0	29.70	80.60	10	5.0	Nepal-India UK Bor
2018	11	15	04	31	26.0	6.300	93.30	10	4.5	Nicobar Islands
2018	11	24	09	45	48.0	19.90	72.80	10	3.3	Palghar, Maharashtra
2018	11	28	10	17	06.0	27.30	96.90	10	5.5	Myanmar-ArunachalPradesh
2018	11	28	09	12	35.0	24.40	94.60	117	3.9	Myanmar-Manipur) Border
2018	11	29	09	42	07.0	32.80	78.50	10	3.7	Jammu & Kashmir
2018	11	29	09	00	10.0	33.00	78.50	10	4.3	Jammu & Kashmir
2018	11	30	19	22	32.0	31.50	77.60	10	3.0	Kullu, Himachal Pradesh
2018	12	01	20	18	53.0	20.00	72.80	10	2.9	PALGHAR, MAHARASHTRA
2018	12	01	20	08	34.0	20.00	72.80	13	3.1	PALGHAR, MAHARASHTRA
2018	12	01	15	07	28.0	28.50	92.60	10	4.8	Eastern Xizang-Aru Pradesh
2018	12	04	15	54	41.0	20.00	72.80	20	3.2	PALGHAR, MAHARASHTRA
2018	12	04	00	52	58.0	30.20	77.40	15	3.0	Yamunanagar, Haryana
2018	12	07	22	18	10.0	20.00	72.80	10	2.9	Palghar, Maharashtra
2018	12	10	03	34	56.0	20.00	72.70	10	2.7	Palghar, Maharashtra
2018	12	10	03	34	15.0	19.90	72.70	10	2.8	Palghar, Maharashtra
2018	12	12	17	41	43.0	25.30	94.10	24	3.5	Senapati , Manipur
2018	12	14	21	24	59.0	28.80	77.10	12	2.6	Haryana(Sonipat) Border
2018	12	14	10	03	27.0	20.00	72.70	10	3.0	Palghar, Maharashtra
2018	12	15	01	26	00.0	27.70	94.00	10	3.3	Lower Subansiri, Aru P
2018	12	16	11	15	22.0	36.70	75.00	33	4.2	JAMMU & KASHMIR
2018	12	18	04	09	08.0	20.00	72.90	5	3.0	Palghar, Maharashtra
2018	12	19	15	27	15.0	20.00	72.70	10	2.8	Palghar, Maharashtra
2018	12	20	22	18	34.0	33.00	75.70	5	3.2	Jammu & Kashmir
2018	12	20	13	10	45.0	29.00	77.00	10	2.6	Sonipat, Haryana
2018	12	23	18	17	59.0	36.20	75.00	10	3.7	Jammu & Kashmir
2018	12	23	11	21	07.0	27.20	95.80	10	4.0	Changlang, Arunachal
2018	12	26	04	22	30.0	33.10	74.40	15	3.5	Jammu & Kashmir
2018	12	27	16	46	09.0	12.90	93.70	10	4.3	Andaman Islands
2018	12	27	08	42	37.0	27.70	93.30	10	3.3	KurungKumey, Arunachal
2018	12	27	06	16	46.0	26.90	92.60	19	3.1	SONITPUR, ASSAM
2018	12	27	00	35	50.0	23.30	94.40	66	4.5	Myanmar India Border
2018	12	29	12	59	56.0	19.70	72.80	10	2.9	Palghar,
2019	01	05	16	16	43.0	29.80	80.40	10	2.7	Pithoragarh,Uttarakhand
2019	01	07	15	38	44.0	27.30	88.40	10	3.0	South Sikkim
2019	01	10	02	52	05.0	34.00	78.40	10	4.6	Jammu & Kashmir

2019 01 11 02 51 07.0	34.10	74.80	10	3.0	Jammu & Kashmir
2019 01 12 07 01 34.0	32.70	76.00	5	3.3	Chamba, Himachal Pradesh
2019 01 17 02 53 07.0	7.600	94.50	84	6.0	NICOBAR ISLANDS REGION
2019 01 18 21 45 02.0	27.30	88.60	10	2.7	East Sikkim
2019 01 19 08 58 04.0	26.40	93.30	25	3.4	KarbiAnglong, Assam
2019 01 20 15 29 17.0	20.00	72.90	5	3.0	PALGHAR, MAHARASHTRA
2019 01 20 13 09 00.0	20.00	72.90	12	3.6	Palghar, Maharashtra
2019 01 22 10 34 35.0	32.50	76.40	10	3.5	Chamba, Himachal Pradesh
2019 01 24 03 45 12.0	20.00	72.90	5	3.4	Palghar Maharashtra
2019 01 25 14 29 16.0	24.50	94.10	34	4.0	Chandel, Manipur
2019 01 27 23 45 53.0	24.30	94.80	10	4.5	Churachandpur, Manipur
2019 01 27 21 28 18.0	25.30	92.50	5	3.5	Jaintia Hills, Meghalaya
2019 01 27 04 49 21.0	24.80	94.10	50	4.2	Senapati, Manipur
2019 01 31 06 28 27.0	30.80	78.40	5	3.5	Uttarkashi, Uttarakhand
2019 01 31 05 53 22.0	30.80	78.40	5	2.8	Uttarkashi, Uttarakhand
2019 02 01 11 27 22.0	19.90	72.90	5	3.5	Palghar, Maharashtra
2019 02 01 10 23 54.0	19.90	72.80	5	3.6	Palghar, Maharashtra
2019 02 01 08 36 24.0	19.90	72.80	5	3.5	Palghar, Maharashtra
2019 02 01 04 59 38.0	20.00	72.90	5	3.0	Palghar, Maharashtra
2019 02 01 04 33 03.0	20.00	72.90	5	3.5	Palghar, Maharashtra
2019 02 01 01 28 34.0	20.00	72.90	10	3.3	Palghar, Maharashtra
2019 02 02 17 32 44.0	25.30	94.30	127	4.5	Senapati, Manipur
2019 02 03 17 20 40.0	24.50	93.80	10	4.5	Bishnupur, Manipur
2019 02 04 15 10 09.0	29.00	77.10	15	3.0	Sonipat, Haryana
2019 02 05 21 11 34.0	34.70	74.10	50	4.4	Northwestern Kashmir
2019 02 05 16 47 09.0	34.80	74.30	80	5.6	Northwestern Kashmir
2019 02 05 14 03 44.0	31.70	76.80	15	3.8	Mandi, Himachal Pradesh
2019 02 05 13 38 30.0	35.10	74.20	35	4.4	India (J&K)- Pak Border
2019 02 05 10 22 43.0	32.30	76.40	5	3.1	Chamba, Himachal Pradesh
2019 02 05 10 21 04.0	32.30	76.40	5	3.2	Chamba, Himachal Pradesh
2019 02 06 18 09 52.0	35.00	74.10	80	4.3	JAMMU & KASHMIR
2019 02 06 16 21 32.0	24.30	94.10	26	3.5	Chandel Manipur
2019 02 07 12 49 02.0	20.00	72.80	10	3.3	Palghar, Maharashtra
2019 02 08 08 23 00.0	28.20	76.40	10	3.9	Mahendragarh, Haryana
2019 02 10 03 22 04.0	27.30	96.40	10	5.2	Myanmar-ArunachalBorder
2019 02 12 20 21 30.0	13.90	91.40	10	4.5	Andaman Islands Region
2019 02 12 01 32 27.0	14.50	85.70	10	5.1	Bay Of Bengal
2019 02 13 07 42 28.0	19.90	72.80	10	3.0	Palghar, Maharashtra
2019 02 13 05 14 30.0	20.00	72.80	10	3.1	Palghar, Maharashtra
2019 02 13 02 05 51.0	32.20	76.40	5	3.5	Kangra Himachal Pradesh
2019 02 17 22 53 30.0	33.30	76.50	10	4.2	Jammu and Kashmir
2019 02 17 02 58 35.0	22.50	92.80	20	4.9	Lawangtlai, Mizoram
2019 02 20 07 58 56.0	20.00	72.80	10	3.1	Palghar, Maharashtra

2019	02	20	07	54	23.0	20.00	72.70	10	2.9	Palghar, Maharashtra
2019	02	20	04	44	15.0	20.00	72.80	10	2.9	Palghar, Maharashtra
2019	02	20	02	39	32.0	28.90	77.30	6	4.0	Baghpat, Uttar Pradesh
2019	02	21	19	34	36.0	6.800	94.50	48	4.5	Nicobar Islands Region
2019	02	21	07	32	02.0	22.90	82.30	5	3.5	Korba, Chattisgarh
2019	02	22	01	47	20.0	31.80	78.20	10	3.5	Kinnaur, Himachal Pradesh
2019	02	28	07	29	15.0	35.10	76.80	15	3.8	JAMMU & KASHMIR, INDIA
2019	02	28	05	00	47.0	6.900	95.00	10	4.7	Nicobar Islands Region
2019	02	28	00	00	52.0	7.400	94.50	94	4.8	Nicobar Islands
2019	03	01	06	10	15.0	32.70	76.50	5	3.3	Chamba, Himachal Pradesh
2019	03	01	05	44	22.0	20.20	72.80	5	4.3	Palghar, Maharashtra
2019	03	01	05	38	54.0	20.00	72.80	5	3.2	Palghar, Maharashtra
2019	03	08	06	31	56.0	31.80	78.30	10	2.8	Kinnaur, Himachal Pradesh
2019	03	09	12	15	27.0	20.20	72.80	10	2.8	Palghar, Maharashtra
2019	03	10	19	30	09.0	20.00	72.80	5	3.5	Palghar, Maharashtra
2019	03	11	01	14	30.0	11.90	93.60	95	4.8	Andaman Islands Region
2019	03	13	20	26	18.0	26.50	93.40	30	3.2	KarbiAnglong, Assam
2019	03	13	13	43	58.0	22.80	94.00	10	4.5	Myanmar-MizoramBorder
2019	03	16	23	41	29.0	27.40	75.70	10	4.0	Sikar, Rajasthan
2019	03	16	04	13	01.0	7.200	94.70	10	4.7	Nicobar Islands Region
2019	03	20	10	27	34.0	12.00	92.80	10	4.6	Andaman Islands Region
2019	03	21	14	30	54.0	25.80	90.80	10	4.7	Garo Hills, Meghalaya
2019	03	23	11	34	08.0	14.00	93.10	60	5.1	Andaman Islands Region
2019	03	23	11	29	26.0	14.20	92.90	10	5.1	Andaman Islands Region
2019	03	25	12	41	23.0	24.30	93.30	49	4.6	Churachandpur, Manipur
2019	03	28	03	08	13.0	11.20	95.10	10	4.9	Andaman Islands
2019	03	31	23	46	41.0	7.600	94.30	10	5.0	Nicobar Islands Region
2019	03	31	23	44	45.0	7.700	94.40	10	4.9	Nicobar Islands Region
2019	03	31	12	21	58.0	19.90	72.80	10	3.2	Palghar, Maharashtra
2019	04	01	10	14	08.0	7.400	94.10	10	4.8	Nicobar Islands Region
2019	04	01	09	59	54.0	26.70	92.20	5	3.5	Darrang, Assam
2019	04	01	08	11	34.0	7.500	94.20	10	5.5	Nicobar Islands Region
2019	04	01	07	37	52.0	7.500	94.30	10	4.8	Nicobar Islands Region
2019	04	01	05	52	39.0	7.500	94.20	10	4.9	Nicobar Islands Region
2019	04	01	05	09	14.0	7.600	94.20	10	4.9	Nicobar Islands Region
2019	04	01	04	09	16.0	7.400	94.30	10	4.5	Nicobar Islands Region
2019	04	01	03	38	06.0	7.400	94.60	10	4.8	Nicobar Islands Region
2019	04	01	03	21	43.0	7.400	94.30	10	4.5	Nicobar Islands Region
2019	04	01	02	49	45.0	7.500	94.10	10	4.5	Nicobar Islands Region
2019	04	01	02	28	07.0	7.600	94.10	10	4.6	Nicobar Islands Region
2019	04	01	02	02	47.0	7.600	94.40	10	4.5	Nicobar Islands Region
2019	04	01	01	24	00.0	7.600	94.20	10	5.2	Nicobar Islands Region
2019	04	01	01	11	46.0	7.700	94.40	10	4.9	Nicobar Islands Region

2019	04	01	00	58	24.0	7.500	94.30	10	4.7	Nicobar Islands Region
2019	04	01	00	49	40.0	7.700	94.30	10	4.8	Nicobar Islands Region
2019	04	01	00	34	13.0	7.500	94.50	10	4.8	Nicobar Islands Region
2019	04	01	00	23	44.0	7.700	94.30	10	4.8	Nicobar Islands Region
2019	04	01	00	03	45.0	7.700	94.40	10	5.0	Nicobar Islands Region
2019	04	02	08	32	33.0	20.00	72.80	5	3.0	Palghar, Maharashtra
2019	04	02	08	22	07.0	19.70	72.80	5	2.9	Palghar, Maharashtra
2019	04	04	07	45	29.0	25.40	94.30	50	5.2	Senapati, Manipur
2019	04	06	13	23	08.0	7.200	94.30	10	4.6	Nicobar Islands Region
2019	04	06	08	12	47.0	7.400	94.30	10	4.5	Nicobar Islands Region
2019	04	08	14	09	14.0	21.30	76.20	10	3.5	East Nimar(M.P.)-
2019	04	08	01	54	53.0	13.20	95.40	10	5.0	Andaman Islands Region
2019	04	09	13	39	47.0	20.00	72.80	10	3.0	Palghar Maharashtra
2019	04	10	15	09	39.0	7.600	94.70	10	4.5	Nicobar Islands Region
2019	04	10	06	07	10.0	28.70	76.70	5	3.0	Jhajjar, Haryana
2019	04	11	03	50	40.0	7.600	94.20	10	5.0	Nicobar Islands Region
2019	04	11	02	39	31.0	7.700	94.20	10	5.0	Nicobar Islands Region
2019	04	12	18	03	07.0	27.30	88.20	10	3.9	West Sikkim, Sikkim
2019	04	12	11	22	56.0	11.60	93.00	10	4.6	Andaman Islands, India
2019	04	13	23	02	52.0	14.20	94.10	10	4.6	Andaman Islands Region
2019	04	13	20	43	32.0	7.300	94.30	10	4.9	Nicobar Islands Region
2019	04	13	15	56	28.0	30.90	78.20	10	2.9	Uttarkashi, Uttarakhand
2019	04	13	16	20	18.0	7.300	94.40	10	5.0	Nicobar Islands Region
2019	04	13	16	12	57.0	7.300	94.30	10	5.1	Nicobar Islands Region
2019	04	13	23	14	03.0	7.300	94.40	10	4.7	Nicobar Islands Region
2019	04	14	08	12	10.0	7.300	94.30	10	4.5	Nicobar Islands Region
2019	04	15	02	46	33.0	20.00	72.80	5	3.4	Palghar, Maharashtra
2019	04	15	01	39	42.0	22.70	93.20	10	5.0	Myanmar-Mizoram Border
2019	04	18	21	57	58.0	7.800	94.40	10	5.1	Nicobar Islands Region
2019	04	18	21	52	11.0	7.700	94.30	10	5.0	Nicobar Islands Region
2019	04	20	00	50	10.0	22.80	86.10	18	4.4	Saraikele Kharsawan,
2019	04	21	15	12	52.0	30.30	80.40	10	3.5	Pithoragarh, Uttarakhand
2019	04	23	20	15	48.0	28.60	94.40	10	5.8	West Siang, Arunachal
2019	04	25	18	50	38.0	9.300	92.90	10	4.5	Nicobar Islands Region
2019	04	27	06	27	01.0	26.60	93.10	15	4.4	Sonitpur, Assam
2019	05	02	23	02	31.0	31.30	77.00	10	4.2	Mandi, Himachal Pradesh
2019	05	03	05	21	51.0	27.30	74.90	10	3.0	Nagaur, Rajasthan
2019	05	04	11	03	53.0	26.30	95.80	100	5.4	Myanmar-Nagaland Border
2019	05	04	03	07	07.0	30.90	78.20	10	3.1	Uttarkashi, Uttarakhand
2019	05	07	22	27	46.0	25.50	91.20	10	3.0	Khasi Hills, Meghalaya
2019	05	07	08	24	13.0	10.70	93.20	10	5.0	Andaman Islands Region
2019	05	12	02	12	39.0	20.00	72.80	5	2.6	Palghar, Maharashtra
2019	05	16	06	52	01.0	7.400	94.30	10	4.7	Nicobar Islands

2019 05 17 19 38 44.0	30.50	79.30	10	3.8	Chamoli, Uttarakhand
2019 05 17 19 05 24.0	7.600	94.30	10	4.9	Nicobar Islands
2019 05 17 18 29 24.0	7.400	94.20	10	4.5	Nicobar Islands
2019 05 17 16 21 37.0	7.500	94.20	10	4.6	Nicobar Islands
2019 05 17 08 23 41.0	27.70	84.70	10	4.7	India-Nepal Border Region
2019 05 20 20 34 49.0	7.400	94.20	10	4.5	Nicobar Islands
2019 05 22 00 39 32.0	13.90	93.00	10	5.8	Andaman Islands
2019 05 24 23 19 53.0	10.60	91.50	10	4.8	Andaman Islands Region
2019 05 24 21 23 36.0	13.90	92.80	10	5.0	Andaman Islands Region
2019 05 24 00 11 35.0	20.00	72.90	4	3.1	Palghar, Maharashtra
2019 05 26 05 09 15.0	23.30	86.90	10	4.8	Bankura, West Bengal
2019 05 26 02 19 53.0	8.200	93.30	35	4.5	Nicobar Islands
2019 05 30 05 20 05.0	19.80	72.40	10	3.0	Palghar, Maharashtra
2019 06 04 13 27 31.0	25.40	94.80	65	4.6	Myanmar India Border
2019 06 05 17 01 17.0	24.20	72.90	10	4.3	Banaskantha, Gujarat
2019 06 14 06 37 51.0	29.60	80.40	10	3.8	Pithoragarh, Uttarakhand
2019 06 14 04 12 49.0	27.80	93.30	4	3.6	Subansiri, Arunachal
2019 06 14 02 22 49.0	30.40	79.80	10	3.4	Chamoli, Uttarakhand
2019 06 17 22 19 58.0	12.20	92.70	10	4.9	Andaman Islands Region
2019 06 19 12 17 33.0	21.60	84.60	10	3.7	Deogarh, Odisha
2019 06 20 02 57 35.0	17.30	73.80	5	3.0	Satara, Maharashtra
2019 06 20 02 17 07.0	17.20	73.90	10	4.1	Satara, Maharashtra
2019 06 21 16 42 25.0	25.90	95.70	90	4.8	Myanmar India Border
2019 06 21 15 42 06.0	19.70	77.90	10	3.7	Yavatmal, Maharashtra
2019 06 24 06 10 55.0	21.60	84.60	10	3.1	Deogarh, Odisha
2019 07 02 00 08 38.0	27.60	94.70	10	4.2	Dhemaji, Assam
2019 07 03 18 55 43.0	27.70	91.70	27	3.4	Tawang, Arunachal Pradesh
2019 07 03 15 29 25.0	27.60	74.60	35	3.5	Nagaur, Rajasthan
2019 07 05 10 21 38.0	26.30	93.90	28	3.4	Golaghat, Assam
2019 07 06 15 30 33.0	30.70	78.40	5	3.1	Uttarkashi, Uttarakhand
2019 07 08 12 04 08.0	33.10	78.60	10	3.9	Jammu & Kashmir
2019 07 09 03 02 47.0	24.60	93.30	20	3.0	Tamenglong, Manipur
2019 07 10 14 25 26.0	31.40	77.90	10	3.1	Shimla, Himachal Pradesh
2019 07 10 03 33 55.0	19.80	73.00	10	2.6	Palghar, Maharashtra