

**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)-XIJIANG 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	NAGOUR, 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)-BENGLADESH
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)-XIJANG
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	XIJANG-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, Maharastra
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	Saraikela 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