

GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
METEOROLOGICAL CENTRE, AHMEDABAD

5/2015(3.7)/20200325/01



Weekly Weather Report for Gujarat state and Diu, Daman Dadra Nagar Haveli for the week ending on 13.10.2021

MAIN FEATURES:-

Heavy rainfall occurred at isolated places in Tapi district of South Gujarat region during 24 hours ending at 0830 hours IST of 09th, in Rajkot district of Saurashtra; in the districts of South Gujarat region namely Bharuch and Valsad on 10th.

The withdrawal line of Southwest Monsoon passed through 28.5°N/ Long.72.5°E, Bikaner, Jodhpur, Jalore, Bhuj and Lat. 23°N/ Long.68°E on 07th, passes through Dwarka, Mehsana, Udaipur, Kota, Gwalior, Hardoi and Lat. 30°N/ Long. 81°E on 08th.

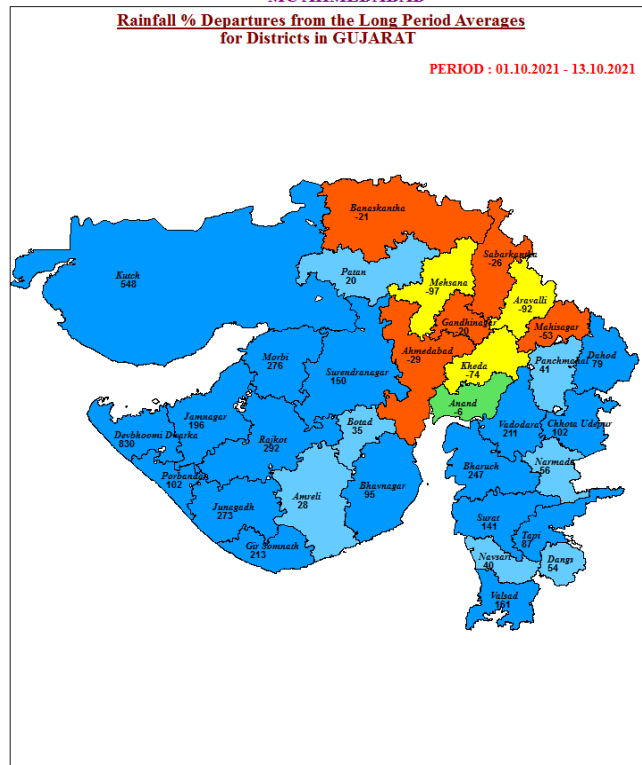
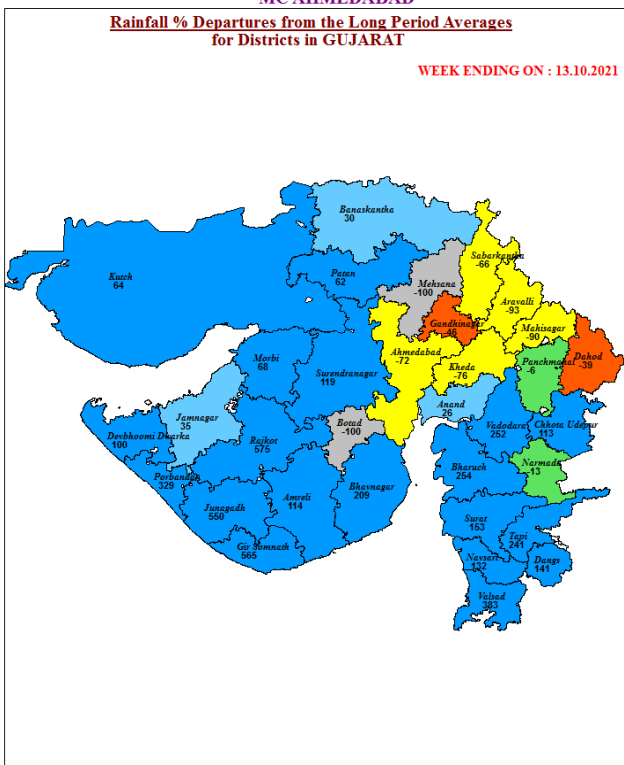
The Southwest Monsoon withdrew from some more parts of Gujarat and Madhya Pradesh; remaining parts of Rajasthan and Uttar Pradesh and some parts of Chhattisgarh, Jharkhand and Bihar and the withdrawal line passed through Lat. 27.1°N/Long. 84.7°E, Motihari, Gaya, Daltonganj, Ambikapur, Mandla, Indore, Gandhinagar, Rajkot and Porbandar on 9th, it continued to pass through Lat. 27.1°N/Long. 84.7°E, Motihari, Gaya, Daltonganj, Ambikapur, Mandla, Indore, Gandhinagar, Rajkot and Porbandar on 10th, further withdrew from entire Jharkhand, Bihar; some more parts of Gujarat, Madhya Pradesh, Chattisgarh and some parts of Odisha & West Bengal and the withdrawal line passed through Lat. 26.7°N/Long. 87.9°E, Siliguri, Malda, Shantiniketan, Midnapore, Baripada, Bhawanipatna, Kanker, Chindwada, Indore, Anand, Rajkot and Porbandar on 11th, further withdrew from remaining parts of Gujarat & Madhya Pradesh; some more parts of Maharashtra, Chhattisgarh, Odisha and West Bengal; entire Sikkim, Arunachal Pradesh, Assam, Meghalaya, Nagaland & Manipur and some parts of Telangana, Mizoram & Tripura. The withdrawal line passed through Lat. 24.0°N/Long. 93.0°E, Lengpui, Kolkata, Baripada, Malkangiri, Hanamkonda, Aurangabad, Silvassa and Lat. 20.0°N/Long. 70.0°E. **Thus, south west monsoon has withdrawn from entire Gujarat state on 12th Oct 2021.**

Week’s rainfall for the week ending on 13/10/2021

Season’s rainfall for the period from 01-10-21 to 13-10-2021

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

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

SYNOPTIC SITUATION:

A cyclonic circulation lay over East central Arabian Sea extending up to 5.8 km above mean sea level tilting south westwards with height on 10th, it persisted and extended up to 3.1 km above mean sea level tilting south westwards with height on 11th, it persisted and extended up to 4.5 km above mean sea level tilting south-westwards with height on 12th Oct. has moved away on 13th Oct.

A Western Disturbance ran as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 70°E to the north of Lat. 32°N on 11th, it persisted on 12th Oct., has moved away on 13th Oct.

DISTRIBUTION OF RAINFALL

REGION/DATE	07.10.2021	08.10.2021	09.10.2021	10.10.2021	11.10.2021	12.10.2021	13.10.2021
NORTH / SOUTH GUJARAT	ISOL/ SCT	ISOL/ ISOL	ISOL/ SCT	ISOL/ SCT	DRY/ DRY	ISOL/ ISOL	ISOL/ ISOL
SAURASHTRA/ KUTCH	ISOL/ DRY	ISOL/ DRY	ISOL/ DRY	SCT/ ISOL	SCT/ DRY	ISOL/ DRY	ISOL/ ISOL

Legends: Dry: No rain, ISOL: At isolated places, SCT: At a few places, FWS: at many places, WS: at most places

DISREIBUTION OF MAXIMUM TEMPERATURES:

REGION/DATE	07.10.2021	08.10.2021	09.10.2021	10.10.2021	11.10.2021	12.10.2021	13.10.2021
N. GUJARAT/ S. GUJARAT	N/ AN- AAN	N/ AN	N-BN/ N-BN	BN- ABN/ BN- ABN	N-BN/ N-BN	N-BN/N-BN	N/N
SAURASHTRA/ KUTCH	AN-AAN/ N	BN- ABN/ AN	N-BN/ N-BN	BN- ABN/ BN- ABN	N-BN/ N-BN	N-BN/N-BN	N/N

DISREIBUTION OF MINIMUM TEMPERATURES:

REGION/DATE	07.10.2021	08.10.2021	09.10.2021	10.10.2021	11.10.2021	12.10.2021	13.10.2021
N. GUJARAT/ S. GUJARAT	MAB/ AN	AN-AAN/ AN- AAN	MAN/ ABN	N-AN/ N-AN	AN-AAN/ AN- AAN	AN-AAN/ AN- AAN	AN-AAN/ AN- AAN
SAURASHTRA/ KUTCH	N/N	MAN/ AN- AAN	MAN/ AN- AAN	AAN/ N-AN	MAN/ N	N-AN/ N-AN	AN-AAN/ AN- AAN

LEGEND:- LAN : Largely above normal, MAN : Markedly above normal, AAN : Appreciably above normal, AN: Above normal, N; Normal, BN: Below normal, ABN: Appreciably below normal, MBN: Markedly below normal.

DISTRICTWISE WEEKLY RAINFALL DISTRIBUTION 07.10.2021 TO 13.10.2021				
Sr.No.	MET. SUBDIVISIONS	ACTUAL (in mm)	NORMAL (in mm)	%DEP
	STATES			
	DADRA NAGAR HAVELI (UT)	107.7	17.4	519
	DAMAN & DIU (UT)	16	12.2	31
	GUJARAT	10.2	4.6	121
	MET. SUBDIVISIONS			
	GUJARAT REGION			
1	AHMEDABAD	1.7	6	-72
2	ANAND	6.8	5.4	26
3	ARAVALLI	0.3	5.1	-93
4	BANASKANTHA	3.5	2.7	30
5	BHARUCH	16.6	4.7	254
6	CHHOTA UDEPUR	17.5	8.2	113
7	DADARA & NAGAR HAVELI	107.7	17.4	519
8	DAHOD	5.5	9	-39
9	DAMAN	22	17.4	27
10	DANGS	45.9	19	141
11	GANDHINAGAR	3.9	7.3	-46
12	KHEDA	1.4	5.6	-76
13	MAHISAGAR	0.7	6.7	-90
14	MEHSANA	0	6.2	-100
15	NARMADA	7.3	8.4	-13
16	NAVSARI	22.7	9.8	132
17	PANCHMAHAL	6	6.4	-6
18	PATAN	3.6	2.2	62
19	SABARKANTHA	3.6	10.6	-66
20	SURAT	19.2	7.6	153
21	TAPI	17.7	5.2	241
22	VADODARA	27.5	7.8	252
23	VALSAD	60.3	12.5	383
	SUBDIVISION RAINFALL	11.3	6.6	71
	SAURASHTRA & KUTCH			
1	AMRELI	10.5	4.9	114
2	BHAVNAGAR	11.8	3.8	209
3	BOTAD	0	5.4	-100
4	DEVBHOO MI DWARKA	3.8	1.9	100
5	DIU	5.2	2.8	86
6	GIR SOMNATH	27.3	4.1	565
7	JAMNAGAR	4.9	3.6	35
8	JUNAGADH	38.4	5.9	550
9	KUTCH	1.8	1.1	64
10	MORBI	4.2	2.5	68
11	PORBANDAR	14.6	3.4	329
12	RAJKOT	33.8	5	575
13	SURENDRANAGAR	8.7	4	119
	SUBDIVISION RAINFALL	9.7	2.9	236

DISTRICTWISE CUMULATIVE RAINFALL DISTRIBUTION 01.10.2021 TO 13.10.2021				
Sr. No.	MET. SUBDIVISIONS	ACTUAL in mm	NORMAL in mm	%DEP
	STATES			
	DADRA NAGAR HAVELI (UT)	114.2	28.3	304
	DAMAN & DIU (UT)	19	21	-10
	GUJARAT	23.8	9.4	153
	MET. SUBDIVISIONS			
	GUJARAT REGION			
1	AHMEDABAD	6.2	8.7	-29
2	ANAND	7.8	8.3	-6
3	ARAVALLI	0.7	7.9	-92
4	BANASKANTHA	4.5	5.7	-21
5	BHARUCH	34	9.8	247
6	CHHOTA UDEPUR	33.3	16.5	102
7	DADARA & NAGAR HAVELI	114.2	28.3	304
8	DAHOD	23.5	13.1	79
9	DAMAN	26.6	28.3	-6
10	DANGS	74.5	48.3	54
11	GANDHINAGAR	6.3	7.9	-20
12	KHEDA	2	7.6	-74
13	MAHISAGAR	4.7	9.9	-53
14	MEHSANA	0.3	8.5	-97
15	NARMADA	24.6	15.8	56
16	NAVSARI	30.7	22	40
17	PANCHMAHAL	13.3	9.4	41
18	PATAN	4.4	3.7	20
19	SABARKANTHA	9.5	12.9	-26
20	SURAT	42.5	17.6	141
21	TAPI	31.3	16.7	87
22	VADODARA	38	12.2	211
23	VALSAD	69.3	26.5	161
	SUBDIVISION RAINFALL	19.2	11.8	63
	SAURASHTRA & KUTCH			
1	AMRELI	13.8	10.8	28
2	BHAVNAGAR	20	10.3	95
3	BOTAD	14.8	10.9	35
4	DEVBHOO MI DWARKA	59.5	6.4	830
5	DIU	5.2	7.7	-32
6	GIR SOMNATH	30.6	9.8	213
7	JAMNAGAR	26.4	8.9	196
8	JUNAGADH	45.9	12.3	273
9	KUTCH	26.6	4.1	548
10	MORBI	22.2	5.9	276
11	PORBANDAR	17.5	8.7	102
12	RAJKOT	42.8	10.9	292
13	SURENDRANAGAR	24.5	9.8	150
	SUBDIVISION RAINFALL	28	7.4	279

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