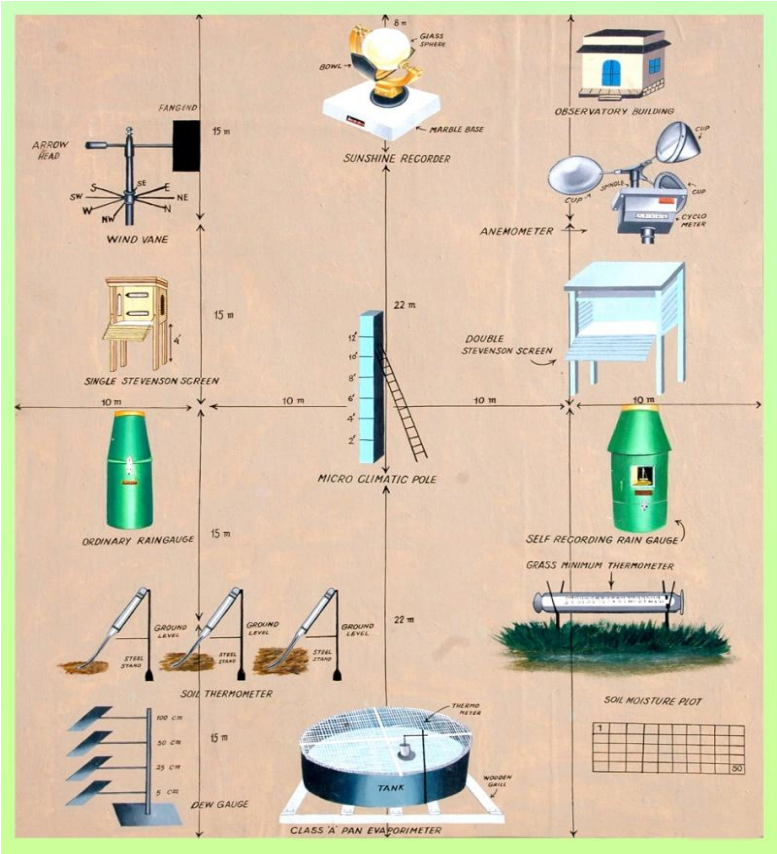
Agromet Res Bulletin No.29 *For official use only*

15-January-2020

Annual Weather Report - 2019



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PREFACE

Crop yield is the function of many factors like weather, soil fertility and water management. Of these, weather plays an important role. Yield of a crop depends on the weather conditions during a season. At all Agricultural Research Stations Agro-meteorological observations are recorded from the observatories to study the crop weather relationship.

*The **Annual Weather Report** has been published by this department every year using observed weather data at the observatory located at Instructional Farm. The report carries daily, weekly, monthly, seasonal and annual weather data pertaining to all parameters like air and soil temperatures, rainfall, relative humidity, wind speed, wind direction, bright sunshine hour and evaporation. The bulletin also contains the frequency of hot days during summer, cold days during winter, cloudy days and rainy days during monsoon seasons for last 35 years (1985-2019) which is very useful for climate variability study.*

This type of Annual Weather Report should be published at all Research Stations using their respective observatory data which will be useful for future studies. This will be useful for all the research scientists and post graduate students for interpretation of weather conditions during their field experiments. This compilation is appreciated for easy availability of weather data for all us

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INTRODUCTION

Weather conditions during crop seasons strongly influence the crop growth and development. The variation in crop productivity is mainly due to weather fluctuations. Weather and climate are the important factors determining the growth, development and yield of crops. Weather conditions affect the agricultural operations and experimental treatments also. Crop yields are the integrated result of external and internal processes that occur during the crop growing period. The external environment is the climate which regulates and the weather determines the growth and development and finally the yield of the crop. It is therefore; necessary to measure the meteorological parameters in all agricultural experimental stations. The interpretation of experimental results in the light of weather conditions prevailing during the period of crop growth is important. Weather observations are also required for accurate weather forecasting and comparison of forecasted weather.

In view of the above the weather parameters recorded at the Agro meteorological observatory, Department of Agronomy, Junagadh Agricultural University, Junagadh from 1st January 2019 to 31st December 2019 are analysed and presented in this report.

METHODOLOGY

The daily, weekly, monthly, seasonal and annual weather data are presented along with the entire statistical parameters viz. mean, standard deviation, coefficient of variation, lowest and highest values. The year is divided into four seasons viz. winter (December to February), summer (March to May), monsoon (June to September) and post monsoon (October and November).

The hot days, cold days, cloudy days and rainy days for last 35 years (1985-2019) are also presented in this report.

- A **hot day** is a day with maximum temperature 40 ^{o}C or more than 40 ^{o}C.
- A **cold day** is a day with minimum temperature 10 ^{o}C or less than 10 ^{o}C.
- A **rainy day** is a day receiving a 2.5 mm of rainfall or more.
- A **cloudy day** is a day with less than 2.0 hours bright sunshine hours.

SUMMARY

The variation and distribution of all-weather parameters viz. rainfall, temperature, wind speed, bright sunshine hours and evaporation are discussed below.

1. Rainfall and rainy days

An annual rainfall of 1492.2 mm was received in 55 rainy days. Whereas, monsoon rainfall of 1438.8 mm was received in 51 rainy days during the year 2019. The rain commenced from 14th June at normal onset of monsoon and extended upto 06th October. The post monsoon rainfall of 53.4 mm was received in the reporting year.

2. Maximum temperature

The highest maximum temperature of 44.7^{0}C was recorded on 28th April-2019.

3. Minimum Temperature

The lowest minimum temperature of 6.5^{0}C was recorded on 29th December-2018.

Summary of weather parameter during 2019

Annual rainfall (rainy days)	:	1492.2 (55)
Seasonal rainfall (rainy days)	:	1438.8 (51)
Onset of monsoon	:	14th June, 2019
Withdrawal of monsoon	:	06th October, 2019
Maximum temperature	:	44.7 ^{0}C (28/04/2019)
Minimum temperature	:	6.5 ^{0}C (29/12/2018)
Wind speed (km/hrs)	:	6.0 km/h
Evaporation (mm)	:	5.5 mm
Bright sunshine (hrs)	:	6.1 hr/day

TABLE-1 DAILY RAINFALL (mm) AT JUNAGADH -YEAR-2019

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1								116.3	015.8			
2								029.1	013.6			
3								014.9	047.1			
4							002.6	003.8	016.1			
5								002.1	070.8			
6								000.7	046.8	011.1		
7								001.1	018.7	025.7		
8									032.8			
9								002.6	015.7			
10								069.0	027.5			
11								103.1	066.3			
12								004.1	082.6			
13						006.0			004.1			
14						061.4						
15						046.1	000.5	002.6			011.2	
16						000.4		001.2				
17						000.8		011.3				
18						008.9	000.4	006.8	002.6			
19						008.2	001.5	001.0	002.2			
20								001.7		001.0		
21							029.6	000.6	018.5			
22							032.2					
23							030.5	001.2	001.3			
24							051.3	000.4	021.9			
25							001.0		011.6			
26						002.7	010.0		000.9			
27							003.2	002.4	017.9			
28						000.6	001.3	001.2	013.3			
29							017.0	012.7	057.2			
30						003.0	011.0	002.9	073.4	004.4		
31							036.1	001.0				
Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**138.1**	**228.2**	**393.8**	**678.7**	**42.2**	**11.2**	**0.0**
R. Days	**0**	**0**	**0**	**0**	**0**	**7**	**10**	**13**	**21**	**3**	**1**	**0**
Grand Total : 1492.2					**Rainy Days: 55**							
< 2.5	**0**	**0**	**0**	**0**	**0**	**3**	**5**	**12**	**3**	**1**	**0**	**0**
2.5 - 10	**0**	**0**	**0**	**0**	**0**	**5**	**3**	**6**	**2**	**1**	**0**	**0**
10.- 30	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**4**	**11**	**2**	**1**	**0**
30-60	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**0**	**4**	**0**	**0**	**0**
>60	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**4**	**0**	**0**	**0**

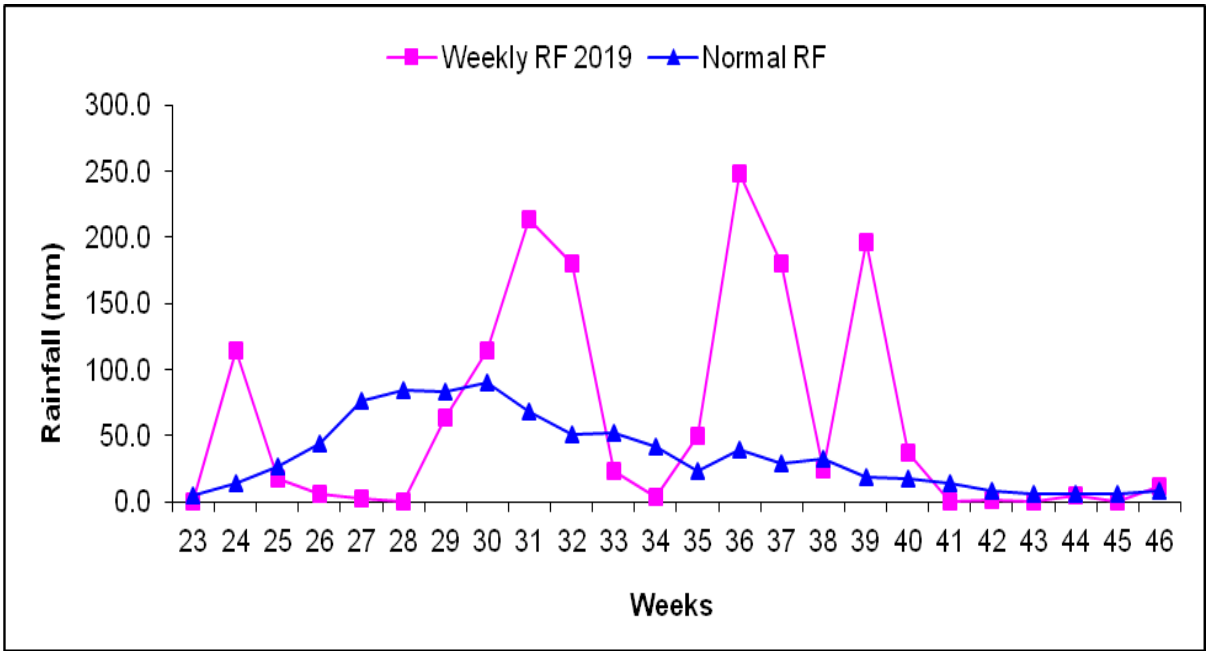

Fig. 1:- Weekly rainfall pattern-2019

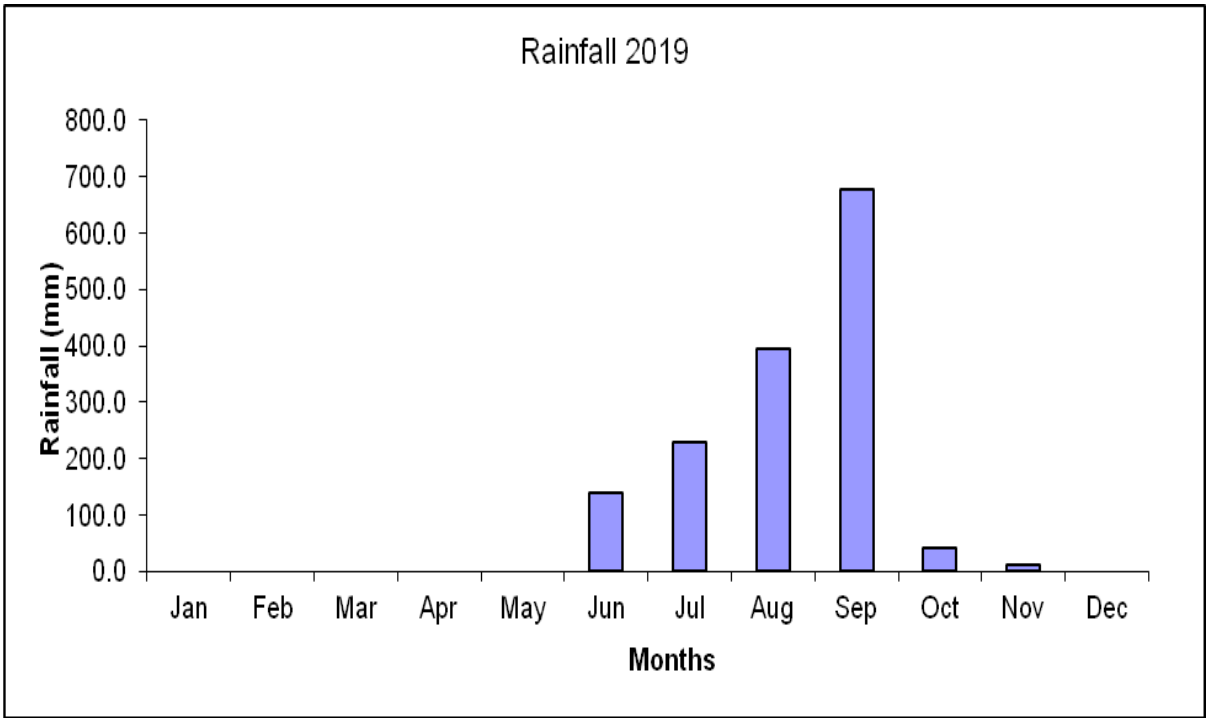

Fig. 2:- Monthly rainfall pattern-2019

TABLE-2(A) WEEKLY MEAN WEATHER DATA- I DURING 2019

	Temp. ºC		R.H.%		W.S.	BSS	Evapo.	Total	Rainy
Week No.	Max	Min	I	II	(kmph)	(hrs)	(mm)	rainfall (mm)	Days
1-J	31.1	12.7	64	22	3.5	6.5	4.5	0.0	
2	29.3	12.3	70	30	4.3	4.0	4.3	0.0	
3	32.0	12.5	76	30	3.2	6.8	5.1	0.0	
4	27.0	14.6	52	26	6.8	8.1	5.6	0.0	
5	28.8	12.6	59	27	6.3	8.7	5.7	0.0	
6-F	29.2	12.1	62	24	4.6	7.4	5.8	0.0	
7	31.9	14.8	78	28	4.0	8.6	5.5	0.0	
8	33.3	17.7	75	46	4.8	7.6	5.9	0.0	
9	32.6	18.0	76	34	5.4	7.5	6.0	0.0	
10-M	32.5	19.4	65	26	5.4	8.8	6.7	0.0	
11	33.7	18.4	55	20	5.8	10.2	7.4	0.0	
12	37.2	21.6	55	22	5.7	10.1	9.1	0.0	
13	40.8	23.7	52	23	6.6	10.0	11.1	0.0	
14-A	40.3	21.6	82	27	5.7	9.9	10.0	0.0	
15	40.5	24.1	73	20	5.8	9.9	9.9	0.0	
16	38.0	23.7	65	26	6.9	10.1	10.6	0.0	
17	42.2	25.3	66	17	6.2	11.0	11.7	0.0	
18	39.3	25.3	82	27	8.0	10.4	10.6	0.0	
19-M	38.4	25.4	78	36	8.0	10.1	9.7	0.0	
20	38.3	26.1	80	38	8.6	10.1	10.1	0.0	
21	40.5	26.6	80	33	8.0	10.2	10.3	0.0	
22	40.3	27.4	79	33	9.5	9.4	10.3	0.0	
23-J	40.6	27.6	79	32	9.1	8.5	10.1	0.0	
24	34.2	26.7	87	71	12.7	2.2	5.1	114.7	3
25	34.5	26.7	90	58	8.8	3.2	5.0	17.1	2
26	35.6	27.2	85	59	8.8	1.9	5.6	6.3	2
27-J	35.2	27.5	85	58	9.9	0.7	5.3	2.6	1
28	35.6	27.5	80	51	14.6	1.9	7.1	0.5	0
29	34.5	26.2	87	58	8.8	3.3	4.7	63.7	2
30	31.9	25.5	91	79	8.7	1.0	3.0	114.3	5
31	28.3	24.9	96	95	9.7	0.0	2.0	213.3	6
32-A	28.9	25.5	96	92	11.0	0.0	1.6	180.6	4
33	30.6	25.3	96	84	7.7	1.3	2.2	22.9	3
34	32.4	24.8	90	73	4.9	5.3	4.3	3.9	0
35	30.9	25.5	96	88	5.5	0.9	1.9	49.6	4
36-S	31.1	25.4	94	86	2.7	1.4	0.8	248.0	7
37	29.8	25.3	96	85	3.7	0.0	0.8	180.5	4
38	32.6	25.1	89	77	4.3	3.6	2.7	24.6	2
39	31.0	24.3	93	84	4.9	2.7	1.7	196.2	6
40-O	32.5	23.9	87	65	3.5	7.4	3.1	36.8	2
41	34.9	23.4	80	49	2.3	8.9	3.7	0.0	0
42	35.2	22.7	77	43	2.3	8.9	3.9	1.0	0
43	32.6	24.8	64	52	4.3	4.2	4.0	0.0	0
44	34.0	23.7	80	54	3.6	5.7	3.5	4.4	1
45-N	33.3	22.0	70	46	4.1	6.1	4.3	0.0	0
46	32.6	20.3	82	51	2.9	7.8	3.6	11.2	1
47	32.5	17.9	80	39	2.2	5.9	3.1	0.0	
48	31.3	19.2	70	43	4.4	5.9	4.1	0.0	
49-D	31.6	19.4	66	44	3.4	3.7	3.6	0.0	
50	29.5	15.7	74	36	3.5	6.9	3.5	0.0	
51	28.7	14.7	74	39	4.9	7.5	4.4	0.0	
52	28.2	12.6	56	32	4.8	5.5	3.8	0.0	
Mean	**33.7**	**21.9**	**77**	**47**	**6.1**	**6.1**	**5.5**	**1492.2**	**55**
S.D.	**3.9**	**4.9**	**12**	**22**	**2.7**	**3.4**	**3.0**	**63.2**	**2.2**
C.V.%	**11.7**	**22.6**	**16**	**48**	**45.3**	**55.8**	**54.1**	**4.2**	**3.9**
Highest	**42.2**	**27.6**	**96**	**95**	**14.6**	**11.0**	**11.7**	**248.0**	**7.0**
Lowest	**27.0**	**12.1**	**52**	**17**	**2.2**	**0.0**	**0.8**	**0.0**	**0.0**

TABLE-2(B) WEEKLY MEAN WEATHER DATA- II DURING 2019

Week No.	D.B. (°C)		W.B. (°C)		Soil Temperature (°C)					
	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1-J	14.9	30.2	11.3	17.4	21.1	21.3	25.0	34.5	28.3	25.5
2	14.9	29.0	12.1	18.0	21.5	21.7	25.2	33.8	28.0	25.6
3	15.2	31.4	13.0	19.7	22.1	22.4	26.0	36.1	29.4	26.6
4	17.4	26.3	11.8	15.6	21.9	22.1	25.6	33.8	28.3	25.9
5	14.6	29.5	10.7	17.9	21.8	21.9	25.1	35.5	28.9	25.7
6-F	14.7	28.1	11.1	16.2	21.6	21.9	25.9	34.1	29.0	26.3
7	16.6	31.7	14.5	19.7	23.6	23.7	26.6	37.5	31.2	27.5
8	19.8	32.6	17.1	23.8	25.7	25.7	28.7	38.9	32.8	29.3
9	20.6	31.5	17.9	20.5	26.1	26.2	29.2	39.0	33.1	29.6
10-M	21.9	31.9	17.8	19.3	27.0	26.7	29.7	40.0	34.4	30.2
11	22.1	33.9	15.7	19.2	27.1	26.9	30.2	41.3	35.2	30.9
12	24.8	36.9	18.8	21.6	29.0	28.8	32.2	43.5	36.9	32.7
13	27.9	40.3	21.0	24.3	31.6	31.2	34.2	45.7	39.1	35.0
14-A	25.5	39.7	23.2	24.9	31.3	31.5	34.9	45.8	39.3	35.5
15	27.1	39.7	23.5	22.9	32.9	32.9	34.9	46.5	40.1	35.9
16	27.2	37.6	22.3	23.0	32.3	32.3	34.5	46.2	39.7	35.6
17	28.4	42.2	23.4	23.7	33.6	34.0	36.3	48.2	42.0	37.0
18	27.3	38.1	25.0	23.7	34.6	34.4	36.3	46.9	40.7	36.9
19-M	27.9	36.9	25.0	25.1	34.1	33.7	36.1	46.5	40.5	36.6
20	28.5	38.1	25.8	26.3	34.6	33.9	36.5	47.1	41.0	37.1
21	29.0	39.7	26.3	26.7	35.3	34.8	37.2	48.0	42.4	38.2
22	29.4	39.7	26.5	26.6	35.8	35.3	37.7	48.8	42.6	38.7
23-J	29.6	40.1	26.8	26.7	36.1	35.7	38.5	49.3	43.0	39.2
24	28.5	32.3	26.8	27.4	32.4	31.3	34.4	37.6	34.6	34.5
25	28.3	34.1	27.1	27.3	30.9	29.8	32.1	38.8	34.9	33.1
26	29.2	33.9	27.3	27.3	32.9	31.8	34.2	40.6	36.7	34.8
27-J	29.2	33.5	27.3	26.9	32.9	32.3	34.0	39.3	35.8	34.6
28	29.5	34.7	26.8	26.6	34.2	33.3	35.4	41.4	37.3	35.9
29	28.7	33.7	26.9	26.8	33.1	32.3	34.6	40.3	36.4	34.9
30	27.8	29.9	26.6	27.0	30.1	28.6	31.2	34.6	30.9	31.5
31	26.3	26.9	25.8	26.3	28.5	26.8	28.5	29.5	27.3	28.3
32-A	26.9	28.3	26.3	27.2	28.6	26.9	28.2	30.6	28.2	28.2
33	26.8	29.6	26.3	27.5	28.7	27.5	28.9	33.8	30.4	29.4
34	27.5	31.7	26.2	27.7	29.3	27.8	30.0	36.5	32.6	31.0
35	27.4	29.3	26.8	27.7	29.7	28.1	30.4	34.3	31.0	30.8
36-S	27.0	29.2	26.3	27.2	29.2	27.9	29.6	33.2	30.8	30.2
37	26.6	29.1	26.1	27.1	29.2	27.6	29.2	32.6	29.7	29.5
38	27.8	30.3	26.1	27.0	29.2	27.7	30.0	35.6	32.2	30.8
39	26.1	28.9	25.2	26.5	28.6	27.4	29.4	33.3	30.2	29.8
40-O	26.9	32.2	25.3	26.5	28.2	27.3	29.3	36.3	32.7	30.4
41	26.4	34.2	23.9	25.7	28.0	26.9	29.8	37.0	33.6	31.3
42	26.0	34.2	23.1	24.6	27.3	26.5	29.5	37.3	33.2	30.7
43	27.5	31.6	22.7	24.2	28.2	26.7	29.0	37.4	32.7	30.2
44	27.3	32.7	24.6	25.4	29.7	28.0	30.5	39.0	35.0	31.7
45-N	24.4	32.6	20.7	23.8	28.8	27.5	30.3	39.6	35.3	31.5
46	23.5	31.1	21.4	23.1	27.1	26.0	29.4	38.2	33.8	30.7
47	21.3	31.8	19.0	21.9	25.0	24.1	27.8	36.4	31.9	28.9
48	21.1	30.6	17.6	21.7	25.6	25.0	28.3	36.6	32.4	29.0
49-D	22.1	30.1	18.0	21.6	26.3	26.9	28.4	35.2	31.5	29.2
50	18.6	28.3	15.8	18.7	23.7	23.6	26.9	34.7	30.5	27.8
51	16.9	28.7	14.3	19.7	23.2	23.0	26.1	35.0	30.3	26.8
52	16.2	26.7	12.0	17.1	21.8	21.5	25.3	33.8	28.9	25.9
Mean	**24.4**	**32.8**	**21.6**	**23.7**	**28.7**	**28.1**	**30.7**	**38.8**	**34.0**	**31.4**
S.D.	**4.8**	**5.4**	**4.1**	**3.6**	**4.2**	**4.1**	**3.8**	**5.2**	**4.4**	**3.8**
C.V.%	**19.7**	**16.5**	**18.8**	**15.1**	**14.7**	**14.5**	**12.3**	**13.4**	**13.1**	**12.1**
Highest	**29.6**	**42.2**	**42.2**	**27.7**	**36.1**	**35.7**	**38.5**	**49.3**	**43.0**	**39.2**
Lowest	**14.6**	**26.3**	**10.7**	**15.6**	**21.1**	**21.3**	**25.0**	**29.5**	**27.3**	**25.5**

TABLE-2(C) WEEKLY NORMAL WEATHER DATA AT JUNAGADH (1965-2014)

Week No	Temperature ^{0}C		RH. %	W.S.	BSS	EVAPO.	Rainfall	Rainy
	Max	Min	Average	(km/h)	(hrs)	(mm)	(mm)	Days
1	29.4	10.6	54	6.3	8.8	5.5	0.3	0.0
2	29.6	10.7	54	7.0	9.1	5.6	0.1	0.0
3	29.5	10.1	54	6.1	9.5	5.8	0.3	0.0
4	30.5	11.9	53	6.4	9.5	6.0	0.0	0.0
5	31.1	11.3	53	6.5	9.6	6.5	0.0	0.0
6	31.4	12.4	51	6.7	9.8	6.9	0.3	0.0
7	31.7	13.7	54	6.4	9.5	6.7	0.1	0.0
8	32.7	14.8	53	6.9	9.8	7.3	0.7	0.0
9	34.0	15.5	51	7.1	9.8	8.0	0.0	0.0
10	35.3	16.9	50	7.2	9.7	8.9	0.2	0.0
11	36.2	18.5	52	7.8	9.4	9.0	0.0	0.0
12	37.0	19.1	55	8.1	9.6	9.3	0.7	0.0
13	37.8	20.5	54	8.5	9.4	10.0	0.1	0.0
14	38.5	21.1	53	7.8	9.8	10.4	0.0	0.0
15	38.9	21.6	60	8.2	9.9	10.1	0.4	0.0
16	39.2	22.6	61	8.8	10.1	10.6	0.0	0.0
17	39.3	23.5	63	8.8	9.9	10.5	0.2	0.0
18	39.2	24.1	64	9.6	10.1	10.4	0.5	0.0
19	39.4	24.7	68	9.7	9.9	10.1	0.0	0.0
20	39.3	25.3	69	10.3	10.1	10.5	0.7	0.0
21	38.5	26.0	72	11.6	9.8	10.5	0.2	0.0
22	37.9	26.2	70	12.3	9.4	10.3	4.4	0.0
23	37.7	26.7	72	12.9	8.0	9.4	13.7	1.0
24	36.3	26.3	74	12.3	5.7	8.0	40.0	1.2
25	34.9	26.3	77	13.3	4.0	7.6	40.9	1.9
26	34.4	26.2	77	12.1	4.0	7.2	70.8	2.8
27	33.4	25.6	82	11.4	3.9	6.3	79.3	3.0
28	32.7	25.5	85	11.8	2.7	5.0	80.5	3.0
29	31.6	25.1	88	10.4	2.1	4.9	88.1	3.0
30	31.4	24.9	88	11.2	2.2	5.0	70.9	3.1
31	30.5	24.6	88	10.3	2.2	4.1	57.2	3.1
32	30.6	24.2	88	9.9	2.1	3.6	49.5	3.0
33	31.0	23.9	88	8.3	2.0	3.5	40.2	2.1
34	31.5	23.7	87	7.1	3.1	3.9	24.1	2.0
35	31.6	23.6	86	6.4	3.6	3.7	41.7	3.0
36	31.6	23.4	85	6.2	4.7	4.3	33.9	2.1
37	32.4	22.8	83	5.2	6.3	4.2	35.3	2.1
38	33.6	22.6	79	4.9	7.4	4.6	17.6	1.9
39	34.6	23.4	78	4.8	7.5	4.6	21.4	1.0
40	35.6	23.2	72	4.9	8.4	5.1	15.0	1.0
41	36.7	22.6	66	4.3	8.6	5.4	7.8	0.9
42	36.6	20.8	62	4.6	8.8	5.7	5.0	0.0
43	36.4	20.0	61	4.8	8.9	5.6	5.1	0.9
44	35.8	18.5	55	5.3	9.2	5.8	5.7	0.0
45	35.2	18.0	56	4.6	8.7	5.7	7.7	0.0
46	34.6	18.2	57	4.7	8.5	5.4	1.7	0.0
47	33.5	16.7	57	4.1	8.5	5.0	3.0	0.0
48	32.1	15.1	55	5.8	8.6	5.4	0.9	0.0
49	32.4	13.1	56	5.5	8.8	5.2	0.3	0.0
50	31.6	11.4	57	5.4	8.5	5.0	1.1	0.0
51	31.1	11.8	56	5.1	8.4	5.2	0.1	0.0
52	30.0	10.4	55	5.8	8.3	5.2	0.2	0.0
Mean	**34.2**	**20.0**	**66**	**7.7**	**7.6**	**6.7**	**867.8**	**42.1**
Highest	**39.4**	**26.7**	**88.1**	**13.3**	**10.1**	**10.6**	--	--
Lowest	**29.4**	**10.1**	**50**	**4.1**	**2.0**	**3.5**	--	--

TABLE-3(A) MONTHLY MEAN WEATHER DATA-2019

Month	Temperature °C			RH %			W.S.	BSS	Evapo.	Total Rainfall	Total Rainy
	Max	Min	Mean	I	II	Mean	Km/h	hrs.	mm	mm	days
Jan	29.7	12.8	**21.2**	65	27	**46**	4.4	6.7	5.0	0.0	
Feb	31.2	15.2	**23.2**	71	32	**52**	5.1	7.7	5.7	0.0	
March	35.5	20.3	**27.9**	58	24	**41**	5.8	9.6	8.2	0.0	
April	40.4	23.7	**32.0**	72	23	**47**	6.1	10.3	10.6	0.0	
May	39.2	26.0	**32.6**	80	34	**57**	8.3	10.1	10.1	0.0	
June	36.6	27.1	**31.9**	85	53	**69**	9.8	4.5	6.8	138.1	7
July	33.9	26.5	**30.2**	86	64	**75**	10.7	1.7	4.9	228.2	10
August	30.4	25.3	**27.8**	95	85	**90**	7.5	1.6	2.5	393.8	13
Sept.	31.1	25.1	**28.1**	93	84	**88**	4.1	1.9	1.5	678.7	21
October	33.9	23.7	**28.8**	78	53	**65**	3.1	7.2	3.6	42.2	3
Nov.	32.7	20.5	**26.6**	76	46	**61**	3.5	6.3	3.8	11.2	1
Dec.	29.6	15.7	**22.6**	68	38	**53**	4.1	5.9	3.8	0.0	
Total	**404.0**	**261.8**	**332.9**	**926.1**	**561.7**	**743.9**	**72.5**	**73.3**	**66.5**	**1492.2**	**55.0**
Mean	**33.7**	**21.8**	**27.7**	**77**	**47**	**62**	**6.0**	**6.1**	**5.5**	**124.4**	**9.2**
S.D.	**3.6**	**4.9**	**3.8**	**11.2**	**21.7**	**16.1**	**2.5**	**3.2**	**2.9**	**213.9**	**7.3**
C.V.%	**10.8**	**22.5**	**13.6**	**14.5**	**46.3**	**25.9**	**41.4**	**51.8**	**52.0**	**172.0**	**79.4**
Highest	**40.4**	**27.1**	**32.6**	**95**	**85**	**89.9**	**10.7**	**10.3**	**10.6**	**678.7**	**21.0**
Lowest	**29.6**	**12.8**	**21.2**	**58**	**23**	**40.7**	**3.1**	**1.6**	**1.5**	**0.0**	**1.0**

TABLE-3(B) MONTHLY MEAN WEATHER DATA-2019

Month	D.B. (°C)		W.B. (°C)		Soil Temperature (°C)					
	I	II	I	II	5 cm(I)	10cm(I)	20cm(I)	5cm(II)	10cm(II)	20cm(II)
Jan	15.3	29.2	11.8	17.6	21.5	21.8	25.4	34.6	28.5	25.8
Feb	17.3	30.7	14.4	19.8	23.8	23.9	27.1	36.8	30.9	27.6
March	23.7	35.1	18.0	20.9	28.3	28.1	31.2	42.1	36.0	31.8
April	27.0	39.8	23.1	23.6	32.5	32.7	35.2	46.6	40.2	36.0
May	28.3	38.4	25.6	25.6	34.8	34.3	36.7	47.4	41.3	37.4
June	29.0	35.5	27.0	27.1	33.4	32.5	35.1	42.3	37.9	35.8
July	28.6	32.5	26.8	26.8	32.3	31.3	33.5	38.3	34.6	33.9
August	27.1	29.5	26.4	27.5	29.0	27.5	29.1	33.2	30.2	29.6
Sept.	26.9	29.3	26.0	27.0	29.1	27.6	29.6	33.7	30.6	30.1
October	26.7	33.0	23.8	25.3	28.1	26.9	29.5	37.2	33.2	30.8
Nov.	23.4	31.7	20.5	23.0	27.1	26.0	29.2	38.0	33.7	30.3
Dec.	18.5	28.6	15.1	19.4	23.8	23.7	26.7	34.8	30.4	27.5
Total	**291.8**	**393.4**	**258.5**	**283.5**	**343.7**	**336.3**	**368.2**	**465.0**	**407.4**	**376.6**
Mean	**24.3**	**32.8**	**21.5**	**23.6**	**28.6**	**28.0**	**30.7**	**38.7**	**34.0**	**31.4**
S.D.	**4.8**	**3.7**	**5.4**	**3.5**	**4.2**	**4.0**	**3.7**	**4.8**	**4.2**	**3.7**
C.V.%	**19.6**	**11.4**	**25.3**	**14.7**	**14.5**	**14.1**	**12.0**	**12.5**	**12.3**	**11.8**
Highest	**29.0**	**39.8**	**27.0**	**27.5**	**34.8**	**34.3**	**36.7**	**47.4**	**41.3**	**37.4**
Lowest	**15.3**	**28.6**	**11.8**	**17.6**	**21.5**	**21.8**	**25.4**	**33.2**	**28.5**	**25.8**

TABLE-4 SEASONAL WEATHER CONDITION DURING – 2019

Week No	Air Temp. (^{0}C)		Soil Temperature (^{0}C)						RF	Rainy	RH (%)		W.S.	BSS	Eo.
	Max	Min	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)	(mm)	Days	I	II	(km/h)	(hrs)	(mm)
(A) WINTER SEASON 2018-19															
49-Dec	32.1	15.4	24.4	24.5	28.3	36.1	30.7	28.9	0.0	0.0	80	28	2.4	3.5	3.5
50	29.5	17.0	25.0	24.8	27.8	35.1	29.7	28.2	0.0	0.0	63	31	5.6	5.0	5.2
51	30.0	10.8	21.2	21.8	26.2	35.2	29.1	26.6	0.0	0.0	67	25	3.5	6.5	4.7
52	29.5	11.0	20.6	21.0	25.2	34.0	28.2	25.8	0.0	0.0	55	22	4.1	6.6	4.6
1-J	31.1	12.7	21.1	21.3	25.0	34.5	28.3	25.5	0.0	0.0	64	22	3.5	6.5	4.5
2	29.3	12.3	21.5	21.7	25.2	33.8	28.0	25.6	0.0	0.0	70	30	4.3	4.0	4.3
3	32.0	12.5	22.1	22.4	26.0	36.1	29.4	26.6	0.0	0.0	76	30	3.2	6.8	5.1
4	27.0	14.6	21.9	22.1	25.6	33.8	28.3	25.9	0.0	0.0	52	26	6.8	8.1	5.6
5	28.8	12.6	21.8	21.9	25.1	35.5	28.9	25.7	0.0	0.0	59	27	6.3	8.7	5.7
6-F	29.2	12.1	21.6	21.9	25.9	34.1	29.0	26.3	0.0	0.0	62	24	4.6	7.4	5.8
7	31.9	14.8	23.6	23.7	26.6	37.5	31.2	27.5	0.0	0.0	78	28	4.0	8.6	5.5
8	33.3	17.7	25.7	25.7	28.7	38.9	32.8	29.3	0.0	0.0	75	46	4.8	7.6	5.9
9	32.6	18.0	26.1	26.2	29.2	39.0	33.1	29.6	0.0	0.0	76	34	5.4	7.5	6.0
Total	**396.3**	**181.6**	**296.7**	**298.9**	**344.8**	**463.7**	**386.6**	**351.5**	**0.0**	**0.0**	**876.6**	**372.9**	**58.4**	**86.8**	**66.4**
Mean	**30.5**	**14.0**	**22.8**	**23.0**	**26.5**	**35.7**	**29.7**	**27.0**	**0.0**	**0.0**	**67**	**29**	**4.5**	**6.7**	**5.1**
SD	**1.8**	**2.5**	**1.9**	**1.8**	**1.5**	**1.8**	**1.7**	**1.5**	**0.0**	**0.0**	**9.1**	**6.2**	**1.3**	**1.6**	**0.8**
CV	**5.9**	**17.7**	**8.3**	**7.6**	**5.6**	**5.1**	**5.8**	**5.5**	**0.0**	**0.0**	**13.5**	**21.6**	**28.1**	**24.4**	**14.8**
(B) SUMMER SEASON 2019															
10-M	32.5	19.4	27.0	26.7	29.7	40.0	34.4	30.2	0.0	0.0	65	26	5.4	8.8	6.7
11	33.7	18.4	27.1	26.9	30.2	41.3	35.2	30.9	0.0	0.0	55	20	5.8	10.2	7.4
12	37.2	21.6	29.0	28.8	32.2	43.5	36.9	32.7	0.0	0.0	55	22	5.7	10.1	9.1
13	40.8	23.7	31.6	31.2	34.2	45.7	39.1	35.0	0.0	0.0	52	23	6.6	10.0	11.1
14-A	40.3	21.6	31.3	31.5	34.9	45.8	39.3	35.5	0.0	0.0	82	27	5.7	9.9	10.0
15	40.5	24.1	32.9	32.9	34.9	46.5	40.1	35.9	0.0	0.0	73	20	5.8	9.9	9.9
16	38.0	23.7	32.3	32.3	34.5	46.2	39.7	35.6	0.0	0.0	65	26	6.9	10.1	10.6
17	42.2	25.3	33.6	34.0	36.3	48.2	42.0	37.0	0.0	0.0	66	17	6.2	11.0	11.7
18	39.3	25.3	34.6	34.4	36.3	46.9	40.7	36.9	0.0	0.0	82	27	8.0	10.4	10.6
19-M	38.4	25.4	34.1	33.7	36.1	46.5	40.5	36.6	0.0	0.0	78	36	8.0	10.1	9.7
20	38.3	26.1	34.6	33.9	36.5	47.1	41.0	37.1	0.0	0.0	80	38	8.6	10.1	10.1
21	40.5	26.6	35.3	34.8	37.2	48.0	42.4	38.2	0.0	0.0	80	33	8.0	10.2	10.3
22	40.3	27.4	35.8	35.3	37.7	48.8	42.6	38.7	0.0	0.0	79	33	9.5	9.4	10.3
Total	**502.0**	**308.7**	**419.2**	**416.4**	**450.9**	**594.5**	**513.8**	**460.5**	**0.0**	**0.0**	**911.0**	**347.7**	**90.2**	**130.1**	**127.4**
Mean	**38.6**	**23.7**	**32.2**	**32.0**	**34.7**	**45.7**	**39.5**	**35.4**	**0.0**	**0.0**	**70**	**27**	**6.9**	**10.0**	**9.8**
SD	**2.8**	**2.7**	**2.9**	**2.9**	**2.5**	**2.6**	**2.6**	**2.6**	**0.0**	**0.0**	**11.1**	**6.6**	**1.3**	**0.5**	**1.4**
CV	**7.3**	**11.6**	**9.1**	**9.0**	**7.3**	**5.8**	**6.6**	**7.4**	**0.0**	**0.0**	**15.8**	**24.8**	**19.3**	**5.1**	**14.2**

Week No	Air Temp. (^{0}C)		Soil Temperature (^{0}C)						RF	Rainy	RH (%)		W.S.	BSS	Eo.
	Max	Min	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)	(mm)	Days	I	II	(km/h)	(hrs)	(mm)
(C) MONSOON SEASON 2019															
23-J	40.6	27.6	36.1	35.7	38.5	49.3	43.0	39.2	0.0		79	32	9.1	8.5	10.1
24	34.2	26.7	32.4	31.3	34.4	37.6	34.6	34.5	114.7	3	87	71	12.7	2.2	5.1
25	34.5	26.7	30.9	29.8	32.1	38.8	34.9	33.1	17.1	2	90	58	8.8	3.2	5.0
26	35.6	27.2	32.9	31.8	34.2	40.6	36.7	34.8	6.3	2	85	59	8.8	1.9	5.6
27-J	35.2	27.5	32.9	32.3	34.0	39.3	35.8	34.6	2.6	1	85	58	9.9	0.7	5.3
28	35.6	27.5	34.2	33.3	35.4	41.4	37.3	35.9	0.5	0	80	51	14.6	1.9	7.1
29	34.5	26.2	33.1	32.3	34.6	40.3	36.4	34.9	63.7	2	87	58	8.8	3.3	4.7
30	31.9	25.5	30.1	28.6	31.2	34.6	30.9	31.5	114.3	5	91	79	8.7	1.0	3.0
31	28.3	24.9	28.5	26.8	28.5	29.5	27.3	28.3	213.3	6	96	95	9.7	0.0	2.0
32-A	28.9	25.5	28.6	26.9	28.2	30.6	28.2	28.2	180.6	4	96	92	11.0	0.0	1.6
33	30.6	25.3	28.7	27.5	28.9	33.8	30.4	29.4	22.9	3	96	84	7.7	1.3	2.2
34	32.4	24.8	29.3	27.8	30.0	36.5	32.6	31.0	3.9	0	90	73	4.9	5.3	4.3
35	30.9	25.5	29.7	28.1	30.4	34.3	31.0	30.8	49.6	4	96	88	5.5	0.9	1.9
36-S	31.1	25.4	29.2	27.9	29.6	33.2	30.8	30.2	248.0	7	94	86	2.7	1.4	0.8
37	29.8	25.3	29.2	27.6	29.2	32.6	29.7	29.5	180.5	4	96	85	3.7	0.0	0.8
38	32.6	25.1	29.2	27.7	30.0	35.6	32.2	30.8	24.6	2	89	77	4.3	3.6	2.7
39	31.0	24.3	28.6	27.4	29.4	33.3	30.2	29.8	196.2	6	93	84	4.9	2.7	1.7
Total	**557.6**	**441.2**	**523.7**	**502.8**	**538.2**	**621.5**	**562.1**	**546.5**	**1438.8**	**51.0**	**1529.9**	**1230.7**	**135.8**	**37.9**	**64.0**
Mean	**32.8**	**26.0**	**30.8**	**29.6**	**31.7**	**36.6**	**33.1**	**32.1**	**84.6**	**3.2**	**90**	**72**	**8.0**	**2.2**	**3.8**
SD	**3.1**	**1.1**	**2.3**	**2.7**	**3.0**	**4.8**	**4.0**	**3.1**	**87.7**	**2.1**	**5.5**	**17.2**	**3.3**	**2.2**	**2.5**
CV	**9.3**	**4.1**	**7.6**	**9.1**	**9.4**	**13.2**	**12.1**	**9.5**	**103.7**	**66.0**	**6.2**	**23.7**	**40.9**	**97.4**	**65.9**
(D) POST MONSOON SEASON 2019															
40-O	32.5	23.9	28.2	27.3	29.3	36.3	32.7	30.4	36.8	2	87	65	3.5	7.4	3.1
41	34.9	23.4	28.0	26.9	29.8	37.0	33.6	31.3	0.0	0	80	49	2.3	8.9	3.7
42	35.2	22.7	27.3	26.5	29.5	37.3	33.2	30.7	1.0	0	77	43	2.3	8.9	3.9
43	32.6	24.8	28.2	26.7	29.0	37.4	32.7	30.2	0.0	0	64	52	4.3	4.2	4.0
44	34.0	23.7	29.7	28.0	30.5	39.0	35.0	31.7	4.4	1	80	54	3.6	5.7	3.5
45-N	33.3	22.0	28.8	27.5	30.3	39.6	35.3	31.5	0.0	0	70	46	4.1	6.1	4.3
46	32.6	20.3	27.1	26.0	29.4	38.2	33.8	30.7	11.2	1	82	51	2.9	7.8	3.6
47	32.5	17.9	25.0	24.1	27.8	36.4	31.9	28.9	0.0	0	80	39	2.2	5.9	3.1
48	31.3	19.2	25.6	25.0	28.3	36.6	32.4	29.0	0.0	0	70	43	4.4	5.9	4.1
Total	**299.0**	**197.9**	**247.8**	**237.9**	**263.8**	**337.9**	**300.7**	**274.4**	**53.4**	**4.0**	**691.3**	**441.3**	**29.6**	**60.6**	**33.3**
Mean	**33.2**	**22.0**	**27.5**	**26.4**	**29.3**	**37.5**	**33.4**	**30.5**	**5.9**	**0.4**	**77**	**49**	**3.3**	**6.7**	**3.7**
S.D.	**1.3**	**2.4**	**1.5**	**1.3**	**0.9**	**1.2**	**1.2**	**1.0**	**12.2**	**0.7**	**7.2**	**7.8**	**0.9**	**1.6**	**0.4**
C.V.%	**3.9**	**10.7**	**5.4**	**4.8**	**3.0**	**3.1**	**3.4**	**3.3**	**205.0**	**163.5**	**9.4**	**15.8**	**27.1**	**23.5**	**11.2**

TABLE-5:- FREQUENCY OF CLOUDY DAYS, RAINY DAYS AND AMOUNT OF RAINFALL AT JUNAGADH (1985-2019)

	Cloudy day					Rainy days					Rainfall (mm)				
year	**June**	**July**	**Aug.**	**Sept.**	**Seasonal**	**June**	**July**	**Aug.**	**Sept.**	**Seasonal**	**June**	**July**	**Aug.**	**Sept.**	**Seasonal**
1985	7	26	17	0	**50**	0	17	13	5	**35**	2.5	168.2	112.8	34.5	**318**
1986	13	21	14	2	**50**	11	2	8	3	**24**	536	31	158.8	19.4	**745.2**
1987	1	4	12	1	**18**	4	2	3	2	**11**	42.2	30.6	57.6	7.8	**138.2**
1988	9	25	16	4	**54**	1	25	14	11	**51**	19.7	1056.4	121.9	192.7	**1390.7**
1989	11	15	19	0	**45**	6	17	7	6	**36**	298.6	305.7	46.5	123.8	**774.6**
1990	10	27	20	4	**61**	3	5	14	10	**32**	33.4	55.2	473.4	104.1	**666.1**
1991	5	22	18	8	**53**	3	12	12	3	**30**	16	385.4	81.3	26.3	**509**
1992	7	13	13	9	**42**	2	10	11	8	**31**	26	341.3	195.5	267.5	**830.3**
1993	9	18	7	4	**38**	8	8	0	3	**19**	169.6	128.4	3.7	64.2	**365.9**
1994	15	28	28	10	**81**	7	20	15	6	**48**	132.5	748.4	150.9	155.5	**1187.3**
1995	3	18	4	2	**27**	3	17	12	4	**36**	15.7	607.1	105.5	82.6	**810.9**
1996	4	16	22	8	**50**	5	15	9	1	**30**	317.5	324.8	63.9	10.6	**716.8**
1997	11	22	19	6	**58**	9	10	10	7	**36**	231.7	267.8	96.4	217.3	**813.2**
1998	3	18	19	3	**43**	7	12	12	4	**35**	156.1	378.6	271.6	78.9	**885.2**
1999	6	23	20	1	**50**	4	14	6	2	**26**	81.6	219.9	37.5	27.2	**366.2**
2000	0	18	16	5	**39**	2	10	12	1	**25**	21.4	309.4	192.7	8.5	**532**
2001	4	26	15	3	**48**	4	18	15	4	**41**	276.2	224.3	200.3	106.8	**807.6**
2002	5	19	25	4	**53**	5	7	7	2	**21**	275.9	45.7	119.8	94.8	**536.2**
2003	11	18	18	10	**57**	4	18	15	4	**41**	175.3	546.5	458.3	60.9	**1241**
2004	9	12	25	2	**48**	7	10	18	6	**41**	151.6	201.2	475.7	95.2	**923.7**
2005	12	26	27	15	**80**	10	10	8	12	**40**	381.5	114	164.3	532.9	**1192.7**
2006	6	28	28	3	**65**	6	18	19	8	**51**	76.5	574	299.2	136.3	**1086**
2007	9	25	23	7	**64**	8	8	18	13	**47**	164.1	336.9	679.4	231	**1411.4**
2008	19	27	24	11	**81**	4	15	14	8	**41**	148.7	436.1	110.8	508.8	**1204.4**
2009	8	22	17	2	**49**	7	20	3	1	**31**	101.5	660.6	52.7	10.4	**825.2**
2010	3	21	21	15	**60**	6	23	21	14	**64**	225.9	508.4	501.9	321.8	**1558**
2011	19	29	28	11	**87**	2	15	19	9	**45**	37.5	341.7	341.7	241.8	**962.7**
2012	4	28	29	15	**76**	3	5	7	10	**25**	84.2	67.6	79.5	193.7	**425**
2013	13	30	25	7	**75**	15	23	14	7	**59**	537.1	398.6	157.8	337	**1430.5**
2014	2	23	20	8	**53**	3	11	12	10	**36**	251	298.4	310.9	357	**1217.3**
2015	11	27	21	7	**66**	9	7	2	5	**23**	210.4	282.4	16.4	214.3	**723.5**
2016	16	30	30	8	**84**	3	15	15	8	**41**	62	280.3	355.6	274.1	**972**
2017	6	27	19	9	**61**	10	18	10	4	**42**	147.8	330.5	282.6	43.5	**804.4**
2018	7	27	25	6	**65**	1	14	12	5	**32**	7.4	641.9	88.6	51.6	**789.5**
2019	5	12	17	17	**51**	7	10	13	21	**51**	138.1	228.2	393.8	678.7	**1438.8**
Mean	**8.1**	**22.0**	**20.0**	**6.5**	**56.5**	**5.4**	**13.2**	**11.4**	**6.5**	**36.2**	**158.7**	**339.3**	**207.4**	**168.9**	**859.7**
SD	**4.8**	**6.1**	**6.0**	**4.6**	**16.2**	**3.3**	**5.8**	**5.0**	**4.3**	**11.5**	**138.2**	**225.0**	**165.5**	**163.0**	**354.6**
CV	**59**	**28**	**30**	**70**	**29**	**61**	**44**	**44**	**67**	**32**	**87**	**66**	**80**	**96**	**41**

Table-6 Number of HOT DAYS (≥ 40°C) during summer season at Junagadh

Year	March	April	May	Total
1985	12	8	13	33
1986	4	14	8	26
1987	1	9	18	28
1988	0	19	15	34
1989	0	15	15	30
1990	0	9	4	13
1991	6	10	9	25
1992	0	5	14	19
1993	0	10	9	19
1994	10	3	14	27
1995	0	8	14	22
1996	4	8	10	22
1997	0	3	5	8
1998	6	12	16	34
1999	4	14	1	19
2000	5	15	1	21
2001	0	16	5	21
2002	6	17	6	29
2003	3	15	12	30
2004	12	6	8	26
2005	0	16	6	22
2006	0	1	6	7
2007	3	19	4	26
2008	0	9	1	10
2009	1	19	8	28
2010	9	23	20	52
2011	6	9	4	19
2012	5	14	2	21
2013	4	8	15	27
2014	0	7	18	25
2015	6	11	20	37
2016	4	6	15	25
2017	5	11	19	35
2018	6	20	25	51
2019	5	21	13	39
Total	**127**	**410**	**373**	**910**
Mean	**3.63**	**11.71**	**10.66**	**26.00**
SD	**3.53**	**5.54**	**6.31**	**9.90**
CV %	**97**	**47**	**59**	**38**

Table-7 Number of COLD DAYS (≤ 10°C) during winter season at Junagadh

Year	Dec.	Jan.	Feb.	Total
1985 - 86	6	11	2	19
1986-87	8	12	3	23
1987-88	3	8	1	12
1988-89	9	3	0	12
1989-90	8	16	5	29
1990-91	10	17	0	27
1991-92	10	18	3	31
1992-93	6	14	5	25
1993-94	12	8	8	28
1994-95	10	10	6	26
1995-96	4	18	5	27
1996-97	10	7	5	22
1997-98	9	15	11	35
1998-99	12	14	1	27
1999-00	18	10	5	33
2000-01	2	8	1	11
2001-02	0	5	1	6
2002-03	0	8	3	11
2003-04	7	1	0	8
2004-05	0	6	1	7
2005-06	11	8	3	22
2006-07	0	4	0	4
2007-08	1	8	0	9
2008-09	0	13	9	22
2009-10	0	1	2	3
2010-11	10	12	0	22
2011-12	5	9	5	19
2012-13	0	8	0	8
2013-14	1	9	2	12
2014-15	9	18	2	29
2015-16	8	6	1	15
2016-17	0	8	3	11
2017-18	2	4	1	7
2018-19	6	5	4	15
Total	**197**	**322**	**98**	**617**
Mean	**5.8**	**9.5**	**2.9**	**18.1**
SD	**4.7**	**4.8**	**2.8**	**9.3**
CV %	**82**	**50**	**96**	**51**

Table-8 Mean minimum and lowest minimum temperature (^{o}C) during winter season at Junagadh

Year	December			January			February		
	Mean	Lowest	Date	Mean	Lowest	Date	Mean	Lowest	Date
1987-88	12.8	9.1	23	12.3	6.1	26	16.1	12.1	05
1988-89	11.2	5.6	29	9.2	2.6	12	13.1	7.1	03
1989-90	11.9	5.8	28	10.3	6.2	03	15.8	10.0	16
1990-91	12.7	5.6	31	9.7	2.5	03	13.5	3.2	18
1991-92	10.7	5.1	31	10.2	3.5	12	13.0	6.9	15
1992-93	12.2	7.5	29	12.2	6.4	30	13.1	6.4	20
1993-94	10.7	6.0	21	11.5	5.0	16	13.3	7.5	23
1994-95	11.5	4.0	12	9.8	5.4	15	12.6	7.0	25
1995-96	12.7	7.7	03	12.0	5.5	19	13.7	5.8	01
1996-97	11.8	4.9	11	11.0	4..7	16	11.9	6.7	11
1997-98	12.1	7.6	15	10.5	4.5	18	13.5	9.5	08
1998-99	10.9	7.5	30	10.5	5.3	11	14.0	8.5	01
1999-00	10.3	7.5	13	12.7	8.5	16	15.9	9.1	13
2000-01	13.2	9.8	26	12.6	6.6	25	15.5	9.6	03
2001-02	13.5	10.7	24	12.5	7.6	28	16.0	7.0	12
2002-03	14.9	12.0	05	14.2	8.3	01	16.2	10.5	03
2003-04	12.7	8.4	18	12.3	7.9	27	14.5	7.9	07
2004-05	15.0	10.5	26	11.4	7.4	19	14.1	5.5	20
2005-06	11.7	8.2	25	12.5	8.0	04	16.5	13.3	01
2006-07	13.7	10.2	13	12.2	7.4	14	16.9	13.1	02
2007-08	15.2	7.6	30	11.3	7.3	22	12.0	5.5	08
2008-09	16.2	10.3	28	14.0	8.0	02	15.3	9.4	02
2009-10	14.7	10.6	31	13.5	10.0	05	15.3	9.5	19
2010-11	11.9	7.4	11	11.4	5.2	17	14.6	11.0	01
2011-12	13.7	8.8	12	11.6	7.5	10	13.3	3.5	09
2012-13	15.7	11.2	28	11.8	5.5	19	16.0	11.5	17
2013-14	13.2	7.5	29	11.7	7.4	7	15.0	9.0	17
2014-15	11.4	6.5	21	10.2	6.4	27	13.6	7.4	12
2015-16	12.8	6.8	21	12.5	7.0	22	15.2	9.8	8
2016-17	13.4	10.1	27	11.9	5.6	12	15.2	7.2	7
2017-18	14.8	9.6	28	13.2	8.5	2	16.2	9.8	9
2018-19	13.5	6.5	29	12.8	7.8	30	15.2	8.0	10

Table-9 Mean maximum and highest maximum temperature (^{o}C) during summer season at Junagadh

Year	March			April			May		
	Mean	Highest	Date	Mean	Highest	Date	Mean	Highest	Date
1984	36.5	38.6	12	41.2	43.5	14	39.2	42.8	06
1985	39.1	40.8	09	38.7	42.3	24	39.9	44.3	18
1986	37.4	41.8	29	39.7	43.6	07	38.9	43.2	21
1987	36.8	41.4	25	39.4	44.9	20	39.6	43.4	25
1988	36.3	39.8	17	40.6	43.9	13	40.0	45.4	09
1989	35.2	38.9	31	39.7	43.9	21	39.8	43.4	13
1990	34.5	38.7	21	39.1	43.0	25	38.1	42.2	10
1991	36.3	43.7	30	38.7	43.0	01	38.2	42.6	31
1992	35.8	39.2	24	38.3	43.1	28	39.6	43.7	14
1993	35.0	39.2	21	38.9	43.0	26	39.1	42.7	13
1994	39.0	44.2	18	38.2	40.2	28	39.8	43.2	16
1995	33.4	39.7	24	38.3	41.1	30	40.0	45.0	30
1996	37.8	41.2	12	39.0	42.3	16	38.6	43.9	08
1997	34.4	38.6	29	36.6	41.8	25	38.2	43.8	17
1998	36.1	41.7	29	39.2	43.7	06	40.5	44.8	17
1999	36.3	43.0	31	39.8	43.5	06	36.4	40.6	17
2000	35.5	41.3	30	39.5	42.1	09	36.1	40.0	06
2001	35.4	38.3	20	39.6	42.6	26	37.8	42.5	03
2002	37.5	42.4	20	40.4	44.3	29	39.1	46.0	05
2003	36.9	41.2	26	39.8	43.2	23	39.5	43.8	12
2004	39.0	42.7	17	38.5	42.0	26	37.8	45.2	07
2005	35.6	39.0	15	39.9	43.5	06	38.7	41.4	25
2006	35.0	40.0	31	38.4	42.0	16	38.5	43.0	08
2007	35.9	41.7	31	39.9	42.8	07	38.1	42.8	03
2008	36.9	39.5	24	38.6	43.6	28	37.1	41.0	28
2009	37.5	40.2	31	40.6	45.0	30	38.8	43.1	01
2010	38.3	43.8	20	40.9	43.6	17	41.2	44.5	21
2011	36.6	41.6	18	39.1	41.5	24	37.9	40.5	30
2012	36.0	40.7	31	39.3	42.3	05	38.3	40.2	01
2013	37.2	40.5	08	38.2	42.1	29	39.9	43.2	02
2014	35.3	38.5	28	38.8	43.4	29	39.8	43.6	08
2015	35.3	42.0	27/28	38.7	44.0	21	40.8	44.6	17
2016	37.1	41.0	25	38.5	42.0	30	39.9	45.5	19
2017	36.7	42.2	29	39.3	44.6	14	40.5	43	6
2018	37.6	42.0	27	40.3	42.6	25	41.1	43.9	18
2019	35.5	41.9	30	40.4	44.7	28	39.2	41.5	29

Table -10 DECADAL RAINFALL (mm) at Junagadh (1961-2010)

Year	June	July	Aug	Sep	Tota	Oct	Nov	Total
	Monsoon					Post monsoon		
1961	211.6	817.7	158.8	176.1	1364.2	30.6	0	30.6
1962	26.6	228	163.4	135.6	553.6	0	46.5	46.5
1963	107	132.6	193.4	47.6	480.6	68	42.6	110.6
1964	241.1	290.7	628.7	212.8	1373.3	0	0	0
1965	3.1	380.9	182.1	1.6	567.7	2.5	13	15.5
1966	160.5	190	11.7	100.7	462.9	7.4	0	7.4
1967	230.8	542.6	87.3	29	889.7	0	0	0
1968	21.8	256.9	331.4	90.8	700.9	11.8	0	11.8
1969	62.2	441.4	79.8	10.2	593.6	0	10	10
1970	9.3	309.7	511.8	137.1	967.9	15.4	0	15.4
Mean	**107**	**359**	**235**	**94**	**795**	**14**	**11**	**25**
1971	185	258.6	257.6	294.7	995.9	0	0	0
1972	190.4	98.7	2	0	291.1	19.2	0	19.2
1973	144.2	514.6	154.5	95.9	909.2	0	0	0
1974	148.6	66.2	111.3	68.2	394.3	31.2	0	31.2
1975	188.1	149.1	156.1	131.4	624.7	182.5	0	182.5
1976	115	432.1	144.4	131.3	822.8	10.4	57.5	67.9
1977	142.1	400.1	106	187.2	835.4	0	7.6	7.6
1978	172.7	229.1	181.4	88.9	672.1	4.6	27.1	31.7
1979	335.1	42.4	787.3	124.3	1289.1	46.6	83.8	130.4
1980	969.4	532.6	104.9	60.8	1667.7	0	0	0
Mean	**259**	**272**	**201**	**118**	**850**	**29**	**18**	**47**
1981	12	648.4	244	88	992.4	88	53	141
1982	2.3	341.5	281.5	23	648.3	0	235	235
1983	1432.2	707.6	373.8	263	2776.6	14	0	14
1984	166	381.5	185.5	298	1031	0	0	0
1985	2.5	168.2	112.8	34.5	318	23.5	0	23.5
1986	536	31	158.8	19	744.8	0	0	0
1987	42.2	30.6	57.6	7.8	138.2	0	1.4	1.4
1988	19.7	1056.4	121.9	192.7	1390.7	0	0	0
1989	298.6	305.7	46.5	123.8	774.6	33.2	0	33.2
1990	33.4	55.2	473.4	104.1	666.1	184.8	1.2	186
Mean	**254**	**373**	**206**	**115**	**948**	**34**	**29**	**63**
1991	16	285.4	81.3	26.3	409	0	0	0
1992	26	341.3	195.5	267.5	830.3	110.8	0	110.8
1993	169.6	128.4	3.7	64.2	365.9	157.8	3	160.8
1994	132.5	748.4	150.9	155.5	1187.3	0	0	0
1995	15.7	607.1	105.5	82.6	810.9	45.5	0	45.5
1996	317.5	324.8	63.9	10.6	716.8	26.2	0	26.2
1997	231.7	267.8	96.4	217.3	813.2	39.3	0	39.3
1998	156.1	378.6	271.6	28.9	835.2	123.7	88.5	212.2
1999	81.6	219.9	37.5	22.2	361.2	33.3	0	33.3
2000	21.4	309.4	192.7	8.5	532	19	0	19
Mean	**117**	**361**	**120**	**88**	**686**	**56**	**9**	**65**
2001	276.2	224.3	200.3	106.8	807.6	16.4	0	16.4
2002	275.8	45.7	119.8	94.8	536.1	0	0	0
2003	175.3	546.5	458.3	60.9	1241	33.5	0	33.5
2004	151.6	201.2	475.7	95.2	923.7	47.1	0	47.1
2005	318.5	114	164.3	532.9	1129.7	4.6	0	4.6
2006	76.4	574	299.2	136.3	1085.9	0	0	0
2007	164.1	336.9	679.4	231	1411.4	0	0	0
2008	148.7	436.1	110.8	508.8	1204.4	2.8	1.8	4.6
2009	101.5	660.6	52.7	10.4	825.2	0	0	0
2010	225.9	508.4	501.9	321.8	1558	55.2	76.2	131.4
Mean	**191**	**365**	**306**	**210**	**1072**	**16**	**8**	**24**

APPENDIX-1

DAILY WEATHER DATA

JANUARY-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	31.6	9.9	20.8	21.7	78	25	52	00	02	2.7	7.0	4.3	000.0
2	32.1	10.9	21.5	21.2	69	16	43	00	02	1.9	5.9	4.6	000.0
3	31.0	9.9	20.5	21.1	70	20	45	00	16	2.9	6.7	4.4	000.0
4	32.9	10.6	21.8	22.3	70	18	44	00	29	2.3	8.3	4.2	000.0
5	31.4	11.4	21.4	20.0	73	39	56	00	36	2.0	7.4	4.3	000.0
6	29.3	18.7	24.0	10.6	53	16	35	05	07	5.2	4.9	4.0	000.0
7	29.5	17.4	23.5	12.1	37	23	30	07	05	7.2	5.3	6.0	000.0
8	28.5	9.0	18.8	19.5	71	22	47	00	34	4.1	6.6	5.6	000.0
9	29.0	9.6	19.3	19.4	64	24	44	25	02	4.0	7.1	4.3	000.0
10	29.1	10.5	19.8	18.6	73	21	47	00	36	3.9	4.3	4.3	000.0
11	31.5	11.9	21.7	19.6	58	34	46	05	07	3.1	3.6	3.9	000.0
12	28.6	13.5	21.1	15.1	78	45	62	00	07	3.0	2.1	3.5	000.0
13	29.2	15.6	22.4	13.6	85	36	61	29	36	4.0	3.0	4.2	000.0
14	29.0	16.1	22.6	12.9	59	25	42	19	02	7.7	1.4	4.4	000.0
15	29.6	12.0	20.8	17.6	62	28	45	11	34	5.0	4.9	6.0	000.0
16	31.1	11.6	21.4	19.5	69	24	47	00	34	2.5	3.2	4.4	000.0
17	31.2	10.6	20.9	20.6	77	26	52	14	34	2.8	6.0	5.0	000.0
18	31.5	12.5	22.0	19.0	84	29	57	36	34	3.0	6.9	4.7	000.0
19	33.1	12.4	22.8	20.7	79	24	52	00	36	3.0	8.5	4.8	000.0
20	34.0	13.5	23.8	20.5	72	27	50	16	20	2.5	8.9	5.1	000.0
21	33.4	14.6	24.0	18.8	90	52	71	32	23	3.3	9.0	5.5	000.0
22	29.1	15.5	22.3	13.6	82	47	65	00	25	5.6	5.2	5.8	000.0
23	28.1	15.2	21.7	12.9	53	32	43	34	34	5.9	6.6	4.8	000.0
24	26.6	14.9	20.8	11.7	73	25	49	02	34	5.3	9.0	4.2	000.0
25	26.7	12.4	19.6	14.3	42	19	31	34	34	7.4	9.1	5.1	000.0
26	26.5	14.8	20.7	11.7	48	24	36	07	02	9.1	9.3	5.8	000.0
27	25.6	14.5	20.1	11.1	34	18	26	14	05	7.0	8.7	6.8	000.0
28	26.6	15.0	20.8	11.6	31	20	26	07	07	7.0	8.6	7.0	000.0
29	26.5	12.0	19.3	14.5	50	21	36	14	11	6.9	9.6	7.1	000.0
30	28.5	7.8	18.2	20.7	61	23	42	34	16	4.0	9.6	5.8	000.0
31	30.4	11.4	20.9	19.0	70	27	49	00	34	3.4	9.6	4.1	000.0
Total	**921**	**396**	**658**	**526**	**2015**	**830**	**1423**			**137.7**	**206.3**	**154.0**	**0.0**
Mean	**29.7**	**12.8**	**21.2**	**17.0**	**65.0**	**26.8**	**45.9**			**4.4**	**6.7**	**5.0**	**0.0**
S.D.	**2.3**	**2.6**	**1.5**	**3.8**	**15.4**	**8.9**	**10.8**			**2.0**	**2.4**	**0.9**	**0.0**
C.V.%	**7.6**	**20.3**	**7.0**	**22.7**	**23.6**	**33.4**	**23.4**			**44.5**	**35.7**	**19.0**	**0.0**
High.	**34.0**	**18.7**	**24.0**	**22.3**	**90.0**	**52.0**	**71.0**			**9.1**	**9.6**	**7.1**	**0.0**
Low.	**25.6**	**7.8**	**18.2**	**10.6**	**31.0**	**16.0**	**25.5**			**1.9**	**1.4**	**3.5**	**0.0**

JANUARY-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	12.0	31.4	10.2	18.8	8.3	8.6	20.5	20.9	24.9	35.3	28.5	25.6
2	13.0	31.0	10.3	16.6	7.8	5.4	20.4	20.8	24.9	35.0	28.3	25.4
3	12.4	32.6	9.8	18.4	7.5	7.2	20.0	20.4	24.7	35.9	29.0	25.5
4	13.0	30.8	10.4	17.0	7.8	6.1	20.2	20.5	25.1	34.2	28.8	25.6
5	13.8	29.0	11.4	19.8	8.7	11.7	20.8	21.0	25.0	33.7	27.8	25.3
6	20.4	28.6	15.0	15.2	9.5	4.9	24.0	23.8	25.4	33.5	27.6	25.6
7	19.4	28.0	12.2	16.2	6.3	6.6	22.0	21.9	25.3	33.8	28.0	25.7
8	11.2	29.0	8.8	16.6	7.1	6.6	19.4	20.0	24.8	33.5	27.6	25.1
9	13.0	28.6	9.8	16.6	7.2	6.9	19.9	20.3	25.0	33.6	27.7	25.2
10	13.0	30.6	10.6	17.4	8.2	6.9	20.3	20.5	24.8	34.8	28.3	25.4
11	18.0	28.6	13.6	18.6	9.0	10.0	21.0	21.3	24.9	33.0	27.6	25.4
12	15.0	28.4	13.0	20.4	10.0	13.1	22.6	22.5	25.3	33.8	28.0	25.8
13	16.8	28.6	15.4	19.0	12.3	10.7	23.7	23.5	25.5	33.7	27.9	25.7
14	17.4	29.4	13.2	17.4	8.9	7.6	23.8	23.6	25.8	34.0	29.0	26.4
15	15.0	30.2	11.4	18.6	7.9	9.0	22.0	22.3	25.9	35.0	29.1	26.3
16	14.0	30.7	11.2	18.0	8.3	7.7	20.9	21.2	25.5	35.6	28.5	26.4
17	13.0	31.4	11.0	19.0	8.7	8.9	21.9	22.0	25.7	36.5	29.0	26.1
18	15.0	32.4	13.6	20.4	10.9	10.7	22.0	22.3	25.9	36.7	29.8	26.5
19	15.6	33.5	13.6	20.0	10.5	9.2	22.0	22.2	26.0	36.5	29.6	26.9
20	15.0	33.4	12.4	20.6	9.2	10.4	22.7	23.0	26.5	36.8	30.0	26.9
21	19.0	28.0	18.0	21.2	14.9	14.7	22.9	23.6	26.4	35.4	29.6	27.0
22	17.4	28.0	15.6	20.4	12.2	13.4	23.9	23.6	26.7	34.5	29.4	27.0
23	18.0	26.0	13.0	16.4	8.3	8.2	22.9	23.1	26.3	34.0	28.7	26.5
24	17.0	26.2	11.0	15.2	6.2	6.3	21.3	21.6	25.5	33.6	28.0	25.8
25	14.6	26.0	9.0	14.0	5.3	4.7	21.3	21.7	25.4	33.0	27.6	25.5
26	17.0	25.4	11.6	14.6	7.0	6.0	21.4	21.7	25.3	33.1	27.7	25.6
27	19.4	26.4	11.8	14.2	5.8	4.8	21.2	21.5	25.2	34.5	28.6	25.6
28	18.4	26.2	10.6	14.4	9.1	5.2	21.6	21.8	24.9	33.9	28.0	25.4
29	13.8	27.8	9.2	15.6	6.0	5.9	20.9	21.0	24.6	35.3	28.9	25.8
30	10.8	30.0	7.6	17.4	6.0	7.3	18.8	19.0	24.5	36.2	28.7	24.8
31	13.0	29.0	10.4	17.6	7.8	8.2	21.4	21.7	24.7	35.0	28.4	25.2
Total	**474**	**905**	**365**	**546**	**263**	**253**	**668**	**674**	**786**	**1073**	**884**	**801**
Mean	**15.3**	**29.2**	**11.8**	**17.6**	**8.5**	**8.2**	**21.5**	**21.8**	**25.4**	**34.6**	**28.5**	**25.8**
S.D.	**2.6**	**2.2**	**2.3**	**2.1**	**2.1**	**2.6**	**1.3**	**1.2**	**0.6**	**1.2**	**0.7**	**0.6**
C.V.%	**17.3**	**7.6**	**19.3**	**11.8**	**24.8**	**32.4**	**6.2**	**5.5**	**2.3**	**3.3**	**2.5**	**2.3**
Highest	**20.4**	**33.5**	**18.0**	**21.2**	**14.9**	**14.7**	**24.0**	**23.8**	**26.7**	**36.8**	**30.0**	**27.0**
Lowest	**10.8**	**25.4**	**7.6**	**14.0**	**5.3**	**4.7**	**18.8**	**19.0**	**24.5**	**33.0**	**27.6**	**24.8**

FEBRUARY-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(kmph)	(hrs)	(mm)	(mm)
1	29.1	15.9	22.5	13.2	57	29	43	05	34	5.8	8.5	4.4	000.0
2	28.5	14.0	21.3	14.5	56	32	44	02	05	10.2	7.8	6.3	000.0
3	28.4	12.3	20.4	16.1	54	30	42	14	29	9.4	8.6	6.1	000.0
4	30.5	14.7	22.6	15.8	65	26	46	20	20	4.4	7.4	6.1	000.0
5	33.6	15.4	24.5	18.2	58	27	43	02	34	4.0	4.8	4.8	000.0
6	31.7	17.9	24.8	13.8	72	34	53	02	29	5.2	7.7	4.9	000.0
7	29.5	14.9	22.2	14.6	60	23	42	29	29	5.1	8.1	6.5	000.0
8	26.0	9.8	17.9	16.2	78	29	54	20	34	6.7	3.6	7.7	000.0
9	26.0	9.3	17.7	16.7	57	19	38	32	34	3.8	8.9	4.8	000.0
10	27.5	8.0	17.8	19.5	52	17	35	16	34	4.0	9.0	6.0	000.0
11	30.1	9.5	19.8	20.6	55	17	36	00	34	3.7	9.4	5.6	000.0
12	31.5	11.1	21.3	20.4	67	28	48	20	25	2.8	9.3	4.9	000.0
13	35.0	18.4	26.7	16.6	92	36	64	14	23	4.1	9.5	5.6	000.0
14	32.0	17.5	24.8	14.5	92	27	60	99	32	5.2	8.7	4.6	000.0
15	31.5	16.4	24.0	15.1	73	30	52	36	34	5.0	7.5	5.4	000.0
16	30.1	13.6	21.9	16.5	80	22	51	20	34	4.7	7.4	6.0	000.0
17	31.5	13.3	22.4	18.2	72	23	48	23	34	3.7	8.7	6.5	000.0
18	32.0	13.1	22.6	18.9	70	32	51	00	29	2.7	9.3	5.7	000.0
19	32.5	18.6	25.6	13.9	89	35	62	02	25	5.0	9.4	6.4	000.0
20	34.0	17.9	26.0	16.1	94	41	68	34	20	4.0	9.7	5.6	000.0
21	34.3	19.4	26.9	14.9	86	45	66	34	99	5.2	9.2	5.6	000.0
22	33.0	20.6	26.8	12.4	63	43	53	07	34	5.0	9.3	6.2	000.0
23	33.1	15.4	24.3	17.7	67	55	61	23	99	6.2	7.6	6.0	000.0
24	33.5	15.2	24.4	18.3	48	31	40	34	32	4.4	5.1	5.8	000.0
25	32.4	17.1	24.8	15.3	80	69	75	14	32	4.0	3.0	5.9	000.0
26	33.4	18.9	26.2	14.5	93	40	67	99	34	4.9	4.8	4.2	000.0
27	31.9	18.9	25.4	13.0	87	48	68	34	36	6.6	2.5	5.8	000.0
28	30.5	18.5	24.5	12.0	69	20	45	36	34	6.0	9.7	6.5	000.0
Total	**873**	**426**	**649**	**448**	**1986**	**908**	**1447**			**142**	**215**	**160**	**0.0**
Mean	**31.2**	**15.2**	**23.2**	**16.0**	**70.9**	**32.4**	**51.7**			**5.1**	**7.7**	**5.7**	**0.0**
S.D.	**2.4**	**3.4**	**2.7**	**2.3**	**14.1**	**11.8**	**11.0**			**1.7**	**2.1**	**0.8**	**0.0**
C.V.%	**7.7**	**22.6**	**11.7**	**14.6**	**19.9**	**36.4**	**21.3**			**33.0**	**27.9**	**13.4**	**0.0**
High.	**35.0**	**20.6**	**26.9**	**20.6**	**94.0**	**69.0**	**74.5**			**10.2**	**9.7**	**7.7**	**0.0**
Low.	**26.0**	**8.0**	**17.7**	**12.0**	**48.0**	**17.0**	**34.5**			**2.7**	**2.5**	**4.2**	**0.0**

FEBRUARY-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	19.4	28.2	14.6	17.4	9.6	5.3	23.5	23.2	25.0	34.7	28.3	25.9
2	15.0	28.0	10.8	17.8	7.2	9.1	22.3	22.4	25.3	34.5	27.8	25.6
3	14.6	30.4	10.2	19.2	6.7	9.8	22.6	22.7	25.4	36.1	29.8	26.2
4	15.6	33.4	12.2	20.4	8.6	10.0	23.4	23.5	26.0	36.9	30.1	26.6
5	18.0	31.6	13.6	19.4	9.0	9.5	24.3	24.1	26.5	35.8	30.0	27.3
6	19.0	28.4	16.0	18.3	11.8	9.8	24.2	24.0	26.9	35.0	29.3	27.3
7	18.0	25.0	13.8	14.0	9.3	5.3	22.5	22.8	26.6	32.0	28.8	26.8
8	11.0	24.6	9.2	14.8	7.7	6.7	20.2	20.7	25.4	32.5	27.0	25.6
9	13.0	27.0	9.2	14.6	6.5	5.0	19.7	20.6	25.6	31.8	28.6	25.8
10	12.2	29.2	8.0	15.6	5.6	5.0	19.9	20.4	24.8	34.8	30.1	25.5
11	11.6	31.2	7.8	17.0	5.7	5.9	20.4	20.7	25.5	36.5	29.3	25.9
12	13.4	34.6	10.4	21.8	7.7	11.8	21.4	21.7	25.7	38.4	30.8	26.4
13	19.4	31.4	18.6	21.0	15.6	12.3	24.9	24.5	26.5	38.4	31.9	27.7
14	19.2	31.0	18.4	19.0	15.4	9.1	24.6	24.4	26.1	36.5	30.4	27.2
15	17.8	29.8	15.0	18.8	11.1	9.6	23.7	24.0	27.0	35.7	30.1	27.4
16	15.2	30.6	13.4	17.6	10.5	7.2	23.7	23.5	26.5	37.9	32.0	27.7
17	16.3	31.8	13.6	18.6	10.0	8.1	23.6	24.0	27.5	37.9	32.1	28.0
18	15.0	32.4	12.2	21.0	9.0	11.7	23.1	23.7	27.2	38.0	31.2	27.9
19	20.4	33.4	19.2	22.4	16.0	13.5	25.1	25.3	27.5	39.0	32.6	28.5
20	20.0	34.0	19.4	24.0	16.5	16.3	26.5	26.1	28.2	39.8	33.5	28.9
21	21.6	31.8	20.0	23.2	16.6	16.1	25.8	25.5	28.3	40.0	33.3	29.4
22	22.8	32.0	18.4	22.8	13.2	15.2	26.6	26.2	29.4	39.2	33.1	29.7
23	17.4	33.4	14.0	26.2	9.9	21.1	25.7	26.2	29.6	39.3	33.6	30.0
24	17.8	31.2	12.2	20.0	7.3	10.7	25.0	25.3	29.2	36.6	31.0	29.4
25	18.6	32.4	16.6	27.8	13.0	25.2	25.3	25.5	29.0	38.7	32.3	29.3
26	21.2	31.4	20.4	21.8	17.5	13.7	26.7	26.5	29.4	37.3	31.8	29.6
27	21.6	29.8	20.2	22.0	16.9	15.1	26.5	26.8	29.0	37.2	32.2	29.3
28	20.0	31.0	16.6	17.4	12.1	6.6	24.6	24.9	28.4	39.4	33.0	29.0
Total	**485**	**859**	**404**	**554**	**306**	**305**	**666**	**669**	**758**	**1030**	**864**	**774**
Mean	**17.3**	**30.7**	**14.4**	**19.8**	**10.9**	**10.9**	**23.8**	**23.9**	**27.1**	**36.8**	**30.9**	**27.6**
S.D.	**3.2**	**2.5**	**3.9**	**3.4**	**3.8**	**4.9**	**2.1**	**1.9**	**1.5**	**2.3**	**1.8**	**1.5**
C.V.%	**18.7**	**8.1**	**27.1**	**16.9**	**34.4**	**45.0**	**8.7**	**7.9**	**5.6**	**6.2**	**5.9**	**5.3**
Highest	**22.8**	**34.6**	**20.4**	**27.8**	**17.5**	**25.2**	**26.7**	**26.8**	**29.6**	**40.0**	**33.6**	**30.0**
Lowest	**11.0**	**24.6**	**7.8**	**14.0**	**5.6**	**5.0**	**19.7**	**20.4**	**24.8**	**31.8**	**27.0**	**25.5**

MARCH-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	31.6	14.0	22.8	17.6	62	23	43	29	34	3.7	10.2	5.9	000.0
2	33.5	15.9	24.7	17.6	71	18	45	00	20	3.2	9.6	6.5	000.0
3	35.5	20.0	27.8	15.5	86	57	72	14	27	7.0	9.5	7.3	000.0
4	31.5	20.0	25.8	11.5	61	32	47	05	29	6.2	6.2	5.6	000.0
5	31.0	19.1	25.1	11.9	52	26	39	07	18	5.9	9.7	6.5	000.0
6	31.1	18.9	25.0	12.2	77	33	55	99	07	5.7	9.7	6.8	000.0
7	31.0	18.4	24.7	12.6	74	27	51	34	25	5.0	10.0	6.5	000.0
8	32.5	19.7	26.1	12.8	75	28	52	36	29	5.2	9.7	5.9	000.0
9	32.7	21.5	27.1	11.2	51	20	36	99	32	6.0	8.2	6.3	000.0
10	34.0	16.7	25.4	17.3	49	21	35	25	25	4.9	9.1	7.0	000.0
11	35.0	21.6	28.3	13.4	74	27	51	29	99	5.4	5.4	7.8	000.0
12	32.0	19.0	25.5	13.0	71	24	48	02	29	5.8	10.1	5.8	000.0
13	32.7	18.4	25.6	14.3	55	29	42	34	34	5.7	10.3	6.6	000.0
14	32.4	18.4	25.4	14.0	76	23	50	99	05	6.0	9.8	7.5	000.0
15	32.0	16.5	24.3	15.5	42	19	31	34	34	6.1	10.3	7.0	000.0
16	34.5	15.5	25.0	19.0	46	15	31	20	34	4.6	10.5	7.1	000.0
17	36.0	23.8	29.9	12.2	23	13	18	99	29	6.3	9.9	7.8	000.0
18	36.6	17.5	27.1	19.1	69	16	43	25	29	5.9	10.2	9.7	000.0
19	37.2	19.0	28.1	18.2	40	14	27	00	29	3.7	10.3	9.2	000.0
20	38.0	18.9	28.5	19.1	78	27	53	99	25	5.2	10.0	9.3	000.0
21	35.0	19.0	27.0	16.0	77	23	50	32	34	6.8	10.5	7.5	000.0
22	34.8	21.0	27.9	13.8	66	22	44	36	32	5.3	10.1	7.9	000.0
23	37.1	21.7	29.4	15.4	47	21	34	05	32	5.2	10.1	9.3	000.0
24	38.9	24.9	31.9	14.0	39	21	30	05	32	6.0	9.5	9.7	000.0
25	39.2	26.8	33.0	12.4	40	23	32	02	32	7.8	10.4	10.6	000.0
26	40.0	27.5	33.8	12.5	40	17	29	09	34	8.8	9.9	10.9	000.0
27	39.9	25.5	32.7	14.4	44	22	33	99	34	6.0	10.0	12.8	000.0
28	40.6	25.6	33.1	15.0	42	22	32	02	07	6.0	10.2	9.4	000.0
29	41.5	23.1	32.3	18.4	60	22	41	34	99	7.4	9.7	11.5	000.0
30	41.9	22.0	32.0	19.9	53	25	39	99	32	5.7	9.9	11.4	000.0
31	41.5	20.9	31.2	20.6	50	26	38	34	34	6.4	10.1	11.0	000.0
Total	**1101**	**631**	**866**	**470**	**1790**	**736**	**1263**			**179**	**299**	**254**	**0.0**
Mean	**35.5**	**20.3**	**27.9**	**15.2**	**57.7**	**23.7**	**40.7**			**5.8**	**9.6**	**8.2**	**0.0**
S.D.	**3.5**	**3.4**	**3.2**	**2.8**	**15.7**	**7.8**	**10.6**			**1.1**	**1.1**	**2.0**	**0.0**
C.V.%	**10.0**	**16.5**	**11.3**	**18.4**	**27.2**	**33.1**	**26.1**			**19.8**	**11.7**	**24.3**	**0.0**
High.	**41.9**	**27.5**	**33.8**	**20.6**	**86.0**	**57.0**	**71.5**			**8.8**	**10.5**	**12.8**	**0.0**
Low.	**31.0**	**14.0**	**22.8**	**11.2**	**23.0**	**13.0**	**18.0**			**3.2**	**5.4**	**5.6**	**0.0**

MARCH-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	18.0	33.0	14.0	19.4	9.6	8.6	24.3	24.5	28.5	39.9	33.1	29.2
2	17.8	34.0	14.8	19.0	10.8	7.4	25.4	25.5	28.8	40.5	34.2	30.0
3	23.8	30.8	22.2	24.4	19.1	19.0	28.2	27.1	30.0	39.2	33.3	30.4
4	21.6	30.2	17.0	19.4	11.8	10.3	27.0	27.8	30.2	39.5	34.4	29.9
5	22.4	30.6	16.6	18.4	10.7	8.4	26.1	26.0	29.4	39.5	34.1	29.7
6	21.4	30.0	18.8	19.4	14.7	10.5	26.3	26.0	29.6	39.4	33.5	29.8
7	21.4	32.0	18.4	19.6	14.1	9.5	26.1	26.0	29.3	40.0	34.3	29.7
8	21.8	32.0	19.0	19.8	14.8	9.9	27.9	27.1	29.5	38.9	33.1	30.0
9	24.0	33.2	17.8	19.0	11.5	7.8	28.0	27.6	30.0	40.6	35.7	30.7
10	20.0	34.0	14.2	19.6	8.6	8.3	26.5	26.2	30.0	41.5	35.0	30.5
11	22.6	31.6	19.6	19.4	15.3	9.5	28.1	27.7	30.1	40.0	34.8	30.7
12	20.8	32.0	17.2	19.0	13.1	8.5	26.7	26.3	29.9	40.4	34.5	30.4
13	22.0	31.8	16.6	20.0	10.9	10.3	27.0	27.2	30.2	38.9	33.4	30.5
14	20.6	31.0	18.0	18.0	13.9	7.6	26.4	25.8	29.5	39.8	34.1	30.3
15	22.0	34.0	14.8	19.2	8.3	7.7	26.2	26.1	29.7	41.4	34.8	30.5
16	20.0	35.6	13.8	19.0	8.1	6.4	26.1	26.3	30.1	42.5	36.3	31.0
17	27.6	36.4	15.8	19.0	6.3	5.9	29.0	28.7	30.7	42.6	36.7	32.0
18	22.0	36.8	14.0	20.0	7.2	7.3	28.4	28.1	31.3	43.5	36.7	31.8
19	23.6	37.8	15.8	20.0	8.7	6.7	27.8	28.0	31.5	43.5	36.4	31.9
20	23.0	34.8	20.4	21.6	16.4	11.3	27.9	28.0	31.4	42.5	35.9	32.4
21	22.0	34.0	19.6	20.0	15.7	9.0	27.6	27.8	31.8	43.0	37.4	32.8
22	23.8	35.8	19.6	21.0	14.5	9.6	29.0	28.5	32.0	42.3	35.8	32.3
23	25.6	38.4	18.4	22.6	11.5	10.9	29.0	28.6	32.4	43.6	36.7	32.8
24	27.0	38.4	18.2	22.6	10.3	10.9	30.0	29.6	32.7	44.3	37.0	33.2
25	28.4	39.4	19.6	23.6	11.8	12.1	31.6	31.2	33.6	45.0	38.9	33.8
26	29.6	39.4	20.4	22.0	12.4	9.1	32.4	31.8	33.7	45.8	39.3	34.5
27	28.8	40.0	20.6	23.8	13.2	12.1	31.6	31.2	34.4	46.2	39.5	35.2
28	29.0	40.8	20.4	24.4	12.7	12.9	31.8	31.5	34.5	46.5	39.6	35.1
29	27.0	41.4	21.6	24.6	16.1	12.9	31.9	31.5	34.4	46.7	39.9	35.5
30	27.6	41.0	21.0	25.4	14.5	15.1	31.6	31.5	34.6	45.0	38.5	35.2
31	28.4	39.4	21.0	24.4	14.0	13.7	31.1	30.6	34.1	44.0	38.2	34.7
Total	**734**	**1090**	**559**	**648**	**381**	**309**	**877**	**870**	**968**	**1307**	**1115**	**987**
Mean	**23.7**	**35.1**	**18.0**	**20.9**	**12.3**	**10.0**	**28.3**	**28.1**	**31.2**	**42.1**	**36.0**	**31.8**
S.D.	**3.3**	**3.6**	**2.5**	**2.2**	**3.0**	**2.8**	**2.2**	**2.1**	**1.9**	**2.5**	**2.1**	**2.0**
C.V.%	**14.1**	**10.3**	**13.8**	**10.6**	**24.5**	**27.9**	**7.9**	**7.5**	**6.1**	**5.8**	**5.9**	**6.2**
Highest	**29.6**	**41.4**	**22.2**	**25.4**	**19.1**	**19.0**	**32.4**	**31.8**	**34.6**	**46.7**	**39.9**	**35.5**
Lowest	**17.8**	**30.0**	**13.8**	**18.0**	**6.3**	**5.9**	**24.3**	**24.5**	**28.5**	**38.9**	**33.1**	**29.2**

APRIL-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	40.0	21.4	30.7	18.6	77	26	52	18	02	5.9	10.2	10.9	000.0
2	40.5	20.6	30.6	19.9	70	24	47	36	16	5.0	10.0	10.7	000.0
3	41.6	21.5	31.6	20.1	51	19	35	34	02	5.2	9.9	10.1	000.0
4	41.6	20.2	30.9	21.4	88	22	55	00	27	5.1	10.0	10.8	000.0
5	41.5	21.0	31.3	20.5	90	27	59	00	25	5.2	10.2	10.8	000.0
6	39.4	21.1	30.3	18.3	96	39	68	14	32	7.0	10.0	10.0	000.0
7	37.5	23.8	30.7	13.7	90	39	65	27	25	6.7	8.9	7.8	000.0
8	40.0	23.1	31.6	16.9	90	22	56	20	25	5.8	10.1	9.6	000.0
9	40.0	22.9	31.5	17.1	87	25	56	29	25	5.9	10.1	9.7	000.0
10	39.0	24.0	31.5	15.0	88	22	55	29	29	6.3	10.6	11.0	000.0
11	40.0	22.8	31.4	17.2	68	19	44	34	29	4.7	10.1	9.0	000.0
12	41.7	23.9	32.8	17.8	71	22	47	34	32	6.3	10.4	9.4	000.0
13	40.8	23.0	31.9	17.8	78	14	46	05	27	6.1	10.6	10.3	000.0
14	41.2	25.1	33.2	16.1	59	16	38	34	20	6.0	10.2	10.3	000.0
15	40.6	27.3	34.0	13.3	59	20	40	34	34	5.3	7.4	9.5	000.0
16	38.4	25.4	31.9	13.0	72	34	53	29	25	7.8	6.3	11.6	000.0
17	36.3	20.5	28.4	15.8	67	37	52	18	25	8.6	9.3	10.1	000.0
18	34.7	23.0	28.9	11.7	82	25	54	34	34	7.8	10.7	8.9	000.0
19	37.6	24.5	31.1	13.1	60	24	42	34	34	5.0	11.0	9.5	000.0
20	39.0	25.2	32.1	13.8	41	21	31	34	34	6.0	11.2	10.4	000.0
21	39.7	24.9	32.3	14.8	47	16	32	34	16	6.9	11.2	10.9	000.0
22	40.4	22.6	31.5	17.8	88	22	55	32	25	6.0	10.7	12.6	000.0
23	40.5	23.5	32.0	17.0	80	20	50	32	29	5.1	10.9	9.5	000.0
24	41.6	24.9	33.3	16.7	84	26	55	34	09	8.2	11.3	11.0	000.0
25	40.2	23.5	31.9	16.7	82	27	55	34	32	6.3	11.1	9.8	000.0
26	41.0	25.4	33.2	15.6	80	15	48	34	32	5.7	11.0	9.5	000.0
27	43.0	27.0	35.0	16.0	48	13	31	34	32	5.7	10.9	12.0	000.0
28	44.7	27.6	36.2	17.1	44	9	27	34	29	7.8	11.0	15.6	000.0
29	44.6	25.4	35.0	19.2	41	12	27	34	32	4.3	11.1	14.4	000.0
30	43.7	25.2	34.5	18.5	79	18	49	34	25	6.7	11.1	12.2	000.0
Total	**1211**	**710**	**961**	**501**	**2157**	**675**	**1416**			**184**	**308**	**318**	**0.0**
Mean	**40.4**	**23.7**	**32.0**	**16.7**	**71.9**	**22.5**	**47.2**			**6.1**	**10.3**	**10.6**	**0.0**
S.D.	**2.2**	**2.0**	**1.7**	**2.4**	**16.6**	**7.5**	**10.8**			**1.1**	**1.1**	**1.6**	**0.0**
C.V.%	**5.4**	**8.5**	**5.4**	**14.4**	**23.1**	**33.3**	**23.0**			**17.6**	**10.7**	**14.9**	**0.0**
High.	**44.7**	**27.6**	**36.2**	**21.4**	**96.0**	**39.0**	**67.5**			**8.6**	**11.3**	**15.6**	**0.0**
Low.	**34.7**	**20.2**	**28.4**	**11.7**	**41.0**	**9.0**	**26.5**			**4.3**	**6.3**	**7.8**	**0.0**

APRIL-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	25.0	40.4	22.2	25.3	18.3	14.7	30.8	30.6	34.0	45.8	38.8	34.6
2	25.0	41.4	21.4	25.5	16.9	14.5	30.5	30.6	34.6	43.6	38.8	35.6
3	28.0	41.0	21.0	23.4	14.7	10.8	30.0	31.6	34.8	46.5	39.6	35.5
4	23.8	41.4	22.4	24.6	19.5	13.6	31.2	31.6	35.4	46.6	39.7	35.5
5	25.4	39.0	24.2	24.5	22.0	14.0	31.5	31.4	35.6	45.6	38.8	35.6
6	23.8	36.4	23.4	25.4	21.3	17.5	31.0	31.3	35.0	46.2	39.3	35.6
7	27.0	39.0	25.8	27.4	24.2	20.2	32.6	32.0	34.6	46.8	39.8	35.6
8	25.4	39.4	24.2	23.4	22.3	11.8	32.4	32.1	34.6	45.6	39.2	35.4
9	25.6	38.6	24.0	23.6	21.5	12.6	32.1	32.5	34.7	45.5	39.0	35.5
10	25.6	39.6	24.2	23.4	21.9	11.7	33.0	32.8	34.9	47.6	40.7	35.8
11	27.0	40.6	22.8	23.4	11.8	11.0	32.5	32.3	34.1	47.9	41.2	36.1
12	27.2	40.4	23.4	24.0	19.2	12.3	32.5	32.2	34.3	47.2	40.9	35.9
13	26.8	41.0	24.0	22.0	20.7	8.3	32.0	32.4	35.4	47.0	40.8	36.2
14	28.8	40.0	23.0	22.0	17.5	8.8	33.5	33.8	35.2	46.1	39.8	35.9
15	29.0	38.0	23.2	22.0	17.8	10.0	34.8	34.5	35.4	44.4	38.2	36.0
16	26.6	35.4	23.0	23.6	18.9	14.5	33.2	33.5	35.0	45.0	39.1	35.8
17	26.8	33.6	22.4	23.0	17.7	14.5	31.1	31.0	34.0	43.5	37.3	34.9
18	25.6	37.0	23.4	22.6	20.2	11.8	31.4	31.0	33.9	45.5	38.9	34.8
19	28.2	38.0	22.6	23.0	17.1	11.8	32.9	33.0	35.0	46.9	40.0	35.9
20	28.8	39.4	20.0	23.0	12.1	11.0	32.5	32.8	34.0	47.2	40.3	35.6
21	28.8	39.6	21.0	21.8	13.9	8.7	32.7	32.5	34.7	47.6	40.7	36.2
22	25.4	40.2	24.0	23.8	21.5	12.1	32.3	32.5	35.1	47.6	41.5	36.3
23	27.0	41.2	24.4	24.0	21.3	11.8	32.5	32.7	35.5	48.4	42.2	36.5
24	26.6	40.0	24.6	25.0	22.0	14.5	33.0	33.2	35.9	47.4	41.2	36.5
25	26.2	40.6	24.0	25.6	21.1	15.4	32.7	33.0	36.0	47.8	40.7	36.8
26	27.6	42.6	25.0	23.4	22.1	9.8	33.9	34.1	36.1	48.3	41.9	36.9
27	30.0	44.0	22.2	23.4	15.3	9.0	34.3	35.0	36.6	48.9	42.7	37.5
28	30.2	44.0	21.6	22.0	14.1	6.4	34.5	34.9	36.8	49.0	43.3	37.5
29	31.0	43.0	21.8	22.4	14.0	7.7	34.3	34.8	37.0	47.6	42.0	37.6
30	28.0	38.8	25.2	21.8	22.3	9.2	34.0	33.9	36.6	45.6	39.9	37.0
Total	**810**	**1194**	**694**	**708**	**563**	**360**	**976**	**980**	**1055**	**1399**	**1206**	**1081**
Mean	**27.0**	**39.8**	**23.1**	**23.6**	**18.8**	**12.0**	**32.5**	**32.7**	**35.2**	**46.6**	**40.2**	**36.0**
S.D.	**1.8**	**2.3**	**1.4**	**1.3**	**3.4**	**3.0**	**1.2**	**1.3**	**0.9**	**1.4**	**1.4**	**0.8**
C.V.%	**6.7**	**5.8**	**5.9**	**5.7**	**18.1**	**25.1**	**3.8**	**3.8**	**2.5**	**3.0**	**3.5**	**2.1**
Highest	**31.0**	**44.0**	**25.8**	**27.4**	**24.2**	**20.2**	**34.8**	**35.0**	**37.0**	**49.0**	**43.3**	**37.6**
Lowest	**23.8**	**33.6**	**20.0**	**21.8**	**11.8**	**6.4**	**30.0**	**30.6**	**33.9**	**43.5**	**37.3**	**34.6**

MAY-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	39.6	25.5	32.6	14.1	84	18	51	18	25	9.3	10.2	12.0	000.0
2	39.6	25.4	32.5	14.2	86	28	57	23	29	7.9	10.4	10.0	000.0
3	40.0	25.2	32.6	14.8	80	30	55	27	25	7.0	11.0	11.9	000.0
4	38.0	26.0	32.0	12.0	80	33	57	25	25	8.8	9.9	9.9	000.0
5	37.5	25.4	31.5	12.1	84	36	60	23	27	8.7	9.7	8.9	000.0
6	36.9	24.4	30.7	12.5	83	23	53	25	25	7.9	10.4	9.1	000.0
7	40.2	25.1	32.7	15.1	77	23	50	00	25	6.3	11.1	9.7	000.0
8	41.4	25.5	33.5	15.9	79	38	59	29	25	8.3	11.2	10.7	000.0
9	38.0	24.9	31.5	13.1	74	38	56	25	23	8.0	11.4	9.9	000.0
10	34.6	24.5	29.6	10.1	75	32	54	25	23	8.6	5.3	8.6	000.0
11	38.6	25.2	31.9	13.4	79	42	61	11	29	9.2	10.7	9.8	000.0
12	37.3	26.3	31.8	11.0	80	37	59	20	23	7.9	10.7	9.4	000.0
13	38.9	26.2	32.6	12.7	80	39	60	29	25	8.0	10.1	10.0	000.0
14	38.5	25.8	32.2	12.7	83	46	65	23	25	8.0	9.9	10.1	000.0
15	38.2	25.2	31.7	13.0	80	46	63	20	25	9.9	11.0	10.9	000.0
16	37.0	25.3	31.2	11.7	82	42	62	00	25	9.2	9.7	9.9	000.0
17	38.0	26.9	32.5	11.1	82	40	61	29	29	8.4	9.2	9.8	000.0
18	38.0	26.4	32.2	11.6	79	37	58	29	29	7.9	9.8	9.5	000.0
19	39.0	26.0	32.5	13.0	75	34	55	23	25	8.3	11.2	10.0	000.0
20	39.6	27.1	33.4	12.5	78	23	51	34	25	8.7	9.7	10.6	000.0
21	41.0	26.1	33.6	14.9	80	32	56	34	34	7.4	10.2	10.2	000.0
22	40.9	26.0	33.5	14.9	78	33	56	34	29	6.9	11.3	10.9	000.0
23	40.5	26.6	33.6	13.9	82	31	57	32	25	8.1	11.0	10.7	000.0
24	40.4	27.4	33.9	13.0	77	38	58	34	27	8.8	10.3	10.5	000.0
25	40.0	26.5	33.3	13.5	80	31	56	29	29	8.8	10.0	9.8	000.0
26	40.5	26.8	33.7	13.7	79	35	57	29	25	7.8	9.2	10.1	000.0
27	40.1	26.5	33.3	13.6	82	34	58	27	29	8.0	9.2	10.2	000.0
28	41.0	27.0	34.0	14.0	81	26	54	29	29	8.5	9.6	9.8	000.0
29	41.5	26.9	34.2	14.6	78	31	55	25	25	8.1	10.1	11.0	000.0
30	40.5	27.4	34.0	13.1	75	34	55	29	29	9.2	9.8	10.4	000.0
31	39.7	27.0	33.4	12.7	81	33	57	25	25	9.4	9.7	10.0	000.0
Total	**765**	**807**	**1011**	**409**	**2473**	**1043**	**1758**			**257**	**313**	**314**	**0.0**
Mean	**39.2**	**26.0**	**32.6**	**13.2**	**79.8**	**33.6**	**56.7**			**8.3**	**10.1**	**10.1**	**0.0**
S.D.	**1.6**	**0.8**	**1.1**	**1.3**	**2.9**	**6.6**	**3.5**			**0.8**	**1.1**	**0.7**	**0.0**
C.V.%	**4.0**	**3.2**	**3.3**	**10.1**	**3.6**	**19.7**	**6.1**			**9.4**	**10.9**	**7.3**	**0.0**
High.	**41.5**	**27.4**	**34.2**	**15.9**	**86.0**	**46.0**	**64.5**			**9.9**	**11.4**	**12.0**	**0.0**
Low.	**34.6**	**24.4**	**29.6**	**10.1**	**74.0**	**18.0**	**50.0**			**6.3**	**5.3**	**8.6**	**0.0**

MAY-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	27.0	38.6	25.0	21.8	22.5	9.3	34.2	34.0	36.3	47.0	40.9	36.9
2	27.0	38.0	25.2	24.2	22.9	14.2	34.9	34.5	36.0	47.4	41.9	36.7
3	27.2	37.8	24.6	24.4	21.6	14.7	35.0	34.9	36.5	46.9	40.5	36.9
4	27.6	37.0	25.0	24.6	22.1	15.6	34.3	34.7	36.6	46.7	40.4	37.0
5	27.0	36.4	25.0	24.8	22.5	16.4	34.8	34.2	36.2	46.5	39.9	36.8
6	27.0	40.0	24.8	24.0	22.1	12.6	34.9	34.4	36.1	47.9	41.3	36.9
7	28.0	40.0	25.0	24.2	22.0	13.0	34.8	34.5	36.2	47.5	41.5	37.0
8	28.0	37.0	25.2	25.8	22.3	18.0	35.1	34.7	36.4	47.0	40.9	36.9
9	27.8	34.0	24.4	23.4	20.8	15.1	34.7	34.0	36.3	43.8	38.2	36.5
10	27.4	36.0	24.2	23.6	20.7	14.3	32.9	32.5	36.0	46.0	40.0	36.4
11	27.6	36.0	24.8	25.8	21.7	18.4	33.2	33.0	36.0	46.9	40.4	36.5
12	28.4	37.6	25.8	26.0	23.3	18.1	34.0	33.8	36.0	47.3	41.3	36.7
13	28.0	37.8	25.4	26.6	22.0	19.2	33.9	33.5	35.8	47.0	40.9	36.5
14	27.6	37.2	25.4	27.6	22.9	22.0	34.0	33.4	36.3	46.6	40.5	37.0
15	28.6	36.4	26.0	27.0	23.6	20.9	33.6	33.5	35.9	46.4	39.8	36.7
16	28.2	37.0	25.8	26.6	23.5	19.7	35.0	33.5	37.0	47.0	41.1	37.2
17	28.4	37.4	26.0	26.4	23.8	19.0	34.9	34.0	36.3	45.9	40.0	36.9
18	28.8	38.6	26.0	25.4	23.5	17.3	35.3	34.2	36.7	47.0	41.0	37.0
19	28.6	39.0	25.2	26.2	22.0	17.7	34.5	34.0	36.8	47.8	41.9	37.4
20	29.0	41.0	26.0	24.8	23.3	13.5	35.0	34.4	36.8	48.8	42.9	37.7
21	28.4	40.0	25.8	26.6	23.3	17.9	35.3	34.5	37.1	48.2	42.7	37.5
22	28.8	40.0	25.8	26.8	23.1	18.3	35.0	34.6	37.0	47.8	42.0	37.8
23	29.0	39.8	26.6	26.0	24.6	16.7	35.1	34.8	37.2	48.3	42.5	38.0
24	30.0	39.0	26.8	27.2	24.5	19.8	35.3	35.0	37.2	47.6	42.6	38.5
25	28.4	40.0	25.8	26.4	23.3	17.4	35.5	35.1	37.2	48.0	43.1	38.7
26	29.4	39.6	26.6	27.0	24.3	19.0	35.4	35.0	37.6	47.9	41.8	38.4
27	28.8	39.8	26.4	26.8	24.3	18.4	35.4	34.7	37.1	48.3	42.0	38.7
28	29.0	40.6	26.4	25.2	24.2	14.5	35.7	34.9	37.3	48.9	42.2	38.6
29	29.0	40.4	26.0	26.6	23.3	17.7	35.9	35.3	37.4	48.6	41.8	38.8
30	29.2	39.2	25.8	26.4	22.8	17.9	35.8	35.5	37.7	48.5	42.3	38.6
31	29.4	39.0	26.8	26.0	24.8	17.2	35.4	34.9	37.8	48.8	42.7	38.5
Total	**877**	**1190**	**794**	**794**	**712**	**524**	**1079**	**1064**	**1137**	**1468**	**1281**	**1160**
Mean	**28.3**	**38.4**	**25.6**	**25.6**	**23.0**	**16.9**	**34.8**	**34.3**	**36.7**	**47.4**	**41.3**	**37.4**
S.D.	**0.8**	**1.7**	**0.7**	**1.3**	**1.1**	**2.7**	**0.7**	**0.7**	**0.6**	**1.1**	**1.1**	**0.8**
C.V.%	**2.9**	**4.4**	**2.8**	**5.2**	**4.7**	**16.0**	**2.1**	**2.0**	**1.6**	**2.2**	**2.7**	**2.2**
Highest	**30.0**	**41.0**	**26.8**	**27.6**	**24.8**	**22.0**	**35.9**	**35.5**	**37.8**	**48.9**	**43.1**	**38.8**
Lowest	**27.0**	**34.0**	**24.2**	**21.8**	**20.7**	**9.3**	**32.9**	**32.5**	**35.8**	**43.8**	**38.2**	**36.4**

JUNE-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	39.9	27.6	33.8	12.3	81	38	60	25	23	11.0	9.0	10.5	000.0
2	39.6	27.6	33.6	12.0	78	36	57	27	25	10.2	8.6	10.4	000.0
3	39.6	28.1	33.9	11.5	78	36	57	23	25	10.0	8.8	10.0	000.0
4	40.0	27.8	33.9	12.2	81	38	60	25	27	10.8	9.1	10.4	000.0
5	39.4	27.5	33.5	11.9	79	30	55	29	29	9.7	9.5	10.2	000.0
6	40.4	27.7	34.1	12.7	82	38	60	29	29	8.9	8.4	10.1	000.0
7	39.4	27.6	33.5	11.8	83	27	55	32	16	9.2	7.1	10.7	000.0
8	42.8	27.9	35.4	14.9	75	26	51	27	25	7.8	7.1	9.5	000.0
9	42.0	27.4	34.7	14.6	74	35	55	29	25	8.0	9.1	10.1	000.0
10	40.5	27.6	34.1	12.9	81	28	55	20	25	9.1	9.4	9.9	000.0
11	39.6	28.3	34.0	11.3	75	40	58	29	25	10.2	7.0	10.4	000.0
12	39.5	29.0	34.3	10.5	77	46	62	20	16	7.0	3.6	8.5	000.0
13	38.0	25.5	31.8	12.5	86	89	88	11	11	12.9	2.2	8.5	006.0
14	29.1	24.4	26.8	4.7	93	100	97	14	14	17.4	0.0	1.1	061.4
15	27.6	24.9	26.3	2.7	97	88	93	16	20	15.5	0.0	0.0	046.1
16	32.3	27.5	29.9	4.8	91	67	79	20	20	13.0	0.0	3.4	000.4
17	33.4	27.4	30.4	6.0	89	65	77	16	20	13.0	2.4	4.1	000.8
18	34.2	26.3	30.3	7.9	98	97	98	25	23	15.1	4.1	4.4	008.9
19	29.1	26.8	28.0	2.3	92	62	77	20	27	10.5	0.0	0.6	008.2
20	33.5	26.7	30.1	6.8	91	54	73	25	25	10.0	3.5	5.5	000.0
21	35.0	26.5	30.8	8.5	88	52	70	25	25	5.9	4.7	6.3	000.0
22	35.5	26.4	31.0	9.1	88	49	69	29	25	7.0	2.6	6.4	000.0
23	36.5	27.0	31.8	9.5	92	48	70	25	27	6.5	2.2	5.2	000.0
24	37.4	27.5	32.5	9.9	82	47	65	29	27	6.3	5.6	6.3	000.0
25	36.6	27.6	32.1	9.0	82	81	82	25	18	5.6	1.6	6.0	000.0
26	35.3	25.7	30.5	9.6	85	47	66	20	25	3.0	0.4	3.4	002.7
27	36.3	27.7	32.0	8.6	83	52	68	25	25	6.1	3.8	5.5	000.0
28	36.4	27.6	32.0	8.8	92	58	75	29	29	9.0	3.0	5.7	000.6
29	34.8	27.6	31.2	7.2	82	55	69	29	23	11.6	0.0	5.9	000.0
30	35.3	27.0	31.2	8.3	91	60	76	29	27	13.6	1.6	5.6	003.0
Total	**1099**	**814**	**957**	**285**	**2546**	**1589**	**2068**			**294**	**134**	**205**	**138.1**
Mean	**36.6**	**27.1**	**31.9**	**9.5**	**84.9**	**53.0**	**68.9**			**9.8**	**4.5**	**6.8**	**4.6**
S.D.	**3.8**	**1.0**	**2.3**	**3.2**	**6.6**	**20.7**	**13.0**			**3.3**	**3.4**	**3.2**	**13.7**
C.V.%	**10.4**	**3.7**	**7.1**	**34.0**	**7.8**	**39.1**	**18.8**			**33.4**	**76.6**	**47.0**	**298.1**
High.	**42.8**	**29.0**	**35.4**	**14.9**	**98.0**	**100.0**	**97.5**			**17.4**	**9.5**	**10.7**	**61.4**
Low.	**27.6**	**24.4**	**26.3**	**2.3**	**74.0**	**26.0**	**50.5**			**3.0**	**0.0**	**0.0**	**0.0**

JUNE-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	29.6	39.4	27.0	27.6	25.2	20.4	35.7	35.1	37.9	48.7	42.9	38.5
2	29.8	39.6	26.8	27.4	24.6	19.8	35.9	35.7	38.0	49.0	43.2	39.0
3	30.0	39.4	27.0	27.2	24.9	19.5	35.9	35.6	38.1	49.1	43.0	38.9
4	29.6	39.0	27.0	27.2	25.2	19.8	36.0	35.5	38.2	48.7	42.4	38.7
5	29.6	39.6	26.8	25.8	24.8	16.4	35.9	35.6	38.1	48.9	43.0	38.8
6	29.4	39.0	27.0	27.2	25.2	19.8	35.6	35.0	37.9	48.0	42.1	38.5
7	29.4	42.4	27.2	27.0	25.7	17.2	36.0	35.6	38.0	50.8	43.5	39.5
8	29.8	42.0	26.4	27.4	23.0	16.2	36.5	36.2	39.0	49.9	44.0	39.8
9	30.0	39.4	26.4	26.8	23.6	18.7	36.3	35.9	39.0	49.8	44.0	39.6
10	29.6	39.6	27.0	25.2	25.2	15.2	36.5	36.0	39.1	49.0	42.3	39.5
11	30.0	39.0	26.6	27.8	24.1	21.1	36.6	36.0	38.8	48.0	41.9	39.4
12	30.8	38.0	27.6	28.4	25.7	23.1	36.9	36.3	39.0	46.9	40.8	39.1
13	27.8	26.8	26.0	25.4	24.1	23.5	34.9	34.5	37.8	33.0	33.0	36.3
14	25.8	25.4	25.0	25.4	23.2	24.3	28.5	27.0	31.5	29.9	29.0	31.5
15	27.6	31.4	27.2	29.8	26.7	30.4	28.9	27.0	30.5	34.0	31.1	31.0
16	29.0	32.4	27.8	27.4	27.2	24.3	30.4	28.9	31.5	35.0	33.1	32.0
17	28.8	33.2	27.4	27.8	26.6	24.6	30.5	29.3	31.5	36.4	33.2	32.5
18	27.4	28.0	27.2	27.6	26.9	27.4	30.2	29.6	31.3	30.9	29.5	31.5
19	28.0	33.0	27.0	27.2	26.1	23.5	30.1	28.9	30.8	35.9	33.0	31.8
20	28.4	34.4	27.2	27.0	26.3	22.8	30.4	29.0	31.4	37.6	33.9	31.9
21	29.0	34.6	27.4	26.8	26.4	21.6	31.0	29.8	32.0	39.1	35.2	33.0
22	28.4	35.8	26.8	27.2	25.5	21.7	31.0	29.5	31.8	40.9	36.0	33.5
23	28.0	37.0	27.0	28.0	26.1	22.8	31.4	30.5	33.0	44.0	38.7	34.5
24	29.2	36.0	26.8	27.0	24.9	21.2	32.5	31.4	34.1	43.1	38.3	35.4
25	29.4	29.0	27.0	26.4	25.2	24.2	33.8	32.9	35.0	39.8	37.1	35.5
26	29.2	36.0	27.2	27.0	25.8	21.2	31.9	30.5	34.0	43.4	38.0	34.5
27	30.0	35.0	27.6	27.0	26.3	21.9	33.0	32.1	34.1	40.9	37.1	35.0
28	28.8	34.2	27.8	27.6	27.4	23.6	32.8	32.4	34.0	39.4	35.9	34.5
29	29.4	34.0	27.0	26.8	25.2	22.0	32.8	31.4	34.0	40.0	36.0	34.6
30	28.6	33.6	27.4	27.4	26.6	23.6	32.9	32.0	34.5	38.6	35.4	34.5
Total	**870**	**1066**	**810**	**814**	**764**	**652**	**1001**	**975**	**1054**	**1269**	**1137**	**1073**
Mean	**29.0**	**35.5**	**27.0**	**27.1**	**25.5**	**21.7**	**33.4**	**32.5**	**35.1**	**42.3**	**37.9**	**35.8**
S.D.	**1.0**	**4.4**	**0.5**	**0.9**	**1.1**	**3.2**	**2.7**	**3.1**	**3.1**	**6.4**	**4.6**	**3.1**
C.V.%	**3.5**	**12.3**	**2.0**	**3.3**	**4.4**	**14.9**	**8.0**	**9.5**	**8.8**	**15.1**	**12.2**	**8.6**
Highest	**30.8**	**42.4**	**27.8**	**29.8**	**27.4**	**30.4**	**36.9**	**36.3**	**39.1**	**50.8**	**44.0**	**39.8**
Lowest	**25.8**	**25.4**	**25.0**	**25.2**	**23.0**	**15.2**	**28.5**	**27.0**	**30.5**	**29.9**	**29.0**	**31.0**

JULY-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	34.5	27.4	31.0	7.1	83	61	72	23	27	12.4	2.9	6.9	000.0
2	37.0	27.6	32.3	9.4	85	61	73	29	25	11.1	3.4	6.6	000.0
3	33.9	27.5	30.7	6.4	85	72	79	29	34	6.9	0.0	3.0	000.0
4	35.4	27.0	31.2	8.4	88	58	73	25	25	5.0	0.0	3.0	002.6
5	34.5	27.2	30.9	7.3	85	61	73	25	25	9.7	0.6	6.0	000.0
6	34.5	27.1	30.8	7.4	81	55	68	25	23	11.7	0.0	5.3	000.0
7	35.5	28.2	31.9	7.3	89	52	71	25	25	14.2	0.7	7.5	000.0
8	35.4	27.8	31.6	7.6	85	49	67	23	23	10.9	0.1	5.8	000.0
9	35.9	27.4	31.7	8.5	82	52	67	20	25	12.6	0.0	6.0	000.0
10	35.2	27.4	31.3	7.8	79	51	65	25	25	11.7	0.4	7.2	000.0
11	35.5	27.5	31.5	8.0	79	49	64	25	23	14.7	0.3	6.3	000.0
12	35.8	27.6	31.7	8.2	81	51	66	20	25	14.9	3.5	8.7	000.0
13	35.6	27.5	31.6	8.1	79	47	63	25	25	13.6	4.5	6.4	000.0
14	36.0	27.5	31.8	8.5	77	56	67	27	25	17.0	2.5	7.5	000.0
15	35.0	27.4	31.2	7.6	82	51	67	25	25	17.7	2.4	7.3	000.5
16	35.2	27.3	31.3	7.9	79	53	66	25	25	17.3	3.4	6.2	000.0
17	35.5	27.2	31.4	8.3	85	57	71	16	27	14.9	4.5	6.7	000.0
18	33.6	25.8	29.7	7.8	92	61	77	00	25	10.8	0.7	5.4	000.4
19	33.7	26.0	29.9	7.7	81	49	65	16	18	7.4	1.2	4.3	001.5
20	36.1	26.4	31.3	9.7	83	39	61	34	16	5.3	7.4	4.8	000.0
21	38.0	24.9	31.5	13.1	95	80	88	25	25	3.3	6.1	4.5	029.6
22	29.4	25.5	27.5	3.9	91	65	78	34	29	2.3	0.0	1.0	032.2
23	34.6	24.8	29.7	9.8	94	65	80	99	18	3.3	5.2	1.8	030.5
24	35.1	23.6	29.4	11.5	92	82	87	29	27	3.3	0.0	2.9	051.3
25	30.5	26.4	28.5	4.1	91	75	83	20	27	5.9	0.0	2.2	001.0
26	31.3	25.6	28.5	5.7	92	88	90	23	27	12.6	0.0	3.1	010.0
27	31.0	26.4	28.7	4.6	85	77	81	29	27	13.2	0.0	3.6	003.2
28	30.8	26.1	28.5	4.7	90	82	86	29	27	12.2	2.1	4.2	001.3
29	30.2	25.4	27.8	4.8	92	87	90	23	32	10.3	0.0	3.1	017.0
30	30.0	23.6	26.8	6.4	93	100	97	27	25	13.5	0.0	3.5	011.0
31	26.0	24.2	25.1	1.8	98	100	99	25	27	11.4	0.0	0.0	036.1
Total	**1051**	**821**	**936**	**229**	**2673**	**1986**	**2330**			**331**	**52**	**151**	**228.2**
Mean	**33.9**	**26.5**	**30.2**	**7.4**	**86.2**	**64.1**	**75.1**			**10.7**	**1.7**	**4.9**	**7.4**
S.D.	**2.7**	**1.3**	**1.8**	**2.3**	**5.7**	**16.0**	**10.4**			**4.4**	**2.1**	**2.1**	**13.7**
C.V.%	**7.9**	**4.8**	**5.8**	**30.4**	**6.6**	**25.1**	**13.8**			**41.1**	**127.1**	**44.0**	**186.1**
High.	**38.0**	**28.2**	**32.3**	**13.1**	**98.0**	**100.0**	**99.0**			**17.7**	**7.4**	**8.7**	**51.3**
Low.	**26.0**	**23.6**	**25.1**	**1.8**	**77.0**	**39.0**	**61.0**			**2.3**	**0.0**	**0.0**	**0.0**

JULY-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	29.2	35.4	27.0	29.2	25.4	26.6	32.8	31.0	34.0	42.4	37.7	35.2
2	29.0	32.4	27.0	26.4	25.5	22.1	33.0	32.3	34.0	38.0	35.1	34.5
3	29.0	31.4	27.0	27.4	25.5	24.9	32.6	31.8	33.8	37.5	34.6	34.2
4	29.6	33.4	28.0	26.8	27.4	22.4	31.8	31.0	33.5	39.1	35.5	34.5
5	29.0	32.6	27.0	26.6	25.5	22.4	32.4	32.0	33.5	37.5	34.4	33.6
6	29.6	34.6	27.0	27.4	25.2	22.9	32.5	32.0	33.4	41.5	37.0	34.5
7	29.0	34.6	27.6	26.8	26.9	21.6	33.9	33.4	34.6	40.0	36.5	35.3
8	29.4	35.6	27.4	27.0	26.1	21.5	34.3	33.6	35.0	41.4	37.2	35.5
9	29.4	34.6	27.0	26.8	25.2	21.6	34.1	33.2	35.0	40.6	36.8	35.5
10	29.6	34.4	26.8	26.4	24.8	20.8	33.8	33.0	35.2	40.6	36.3	35.7
11	29.8	35.2	27.0	26.6	25.1	20.9	34.5	33.8	35.6	42.2	37.9	36.0
12	29.6	35.0	27.0	26.8	25.2	21.3	34.2	33.6	35.2	41.8	37.8	35.7
13	29.4	35.4	26.6	26.4	24.3	20.3	34.3	33.2	35.9	42.5	38.6	36.5
14	30.0	33.6	26.8	26.6	24.5	21.9	34.6	33.5	35.8	41.7	37.8	36.3
15	29.0	34.4	26.6	26.4	24.6	20.8	33.8	33.1	34.9	40.6	36.0	35.3
16	29.8	34.0	27.0	26.4	25.1	21.1	33.4	32.7	34.8	41.4	37.1	35.4
17	29.0	32.8	27.0	26.2	25.5	21.5	33.8	32.9	35.1	39.6	35.9	35.2
18	27.2	33.4	26.2	27.4	24.9	23.6	33.6	32.4	34.7	38.6	35.0	34.9
19	29.0	35.4	26.4	26.8	24.2	21.1	32.7	32.1	34.2	44.4	38.9	35.3
20	28.8	37.4	26.6	26.2	24.8	18.7	33.9	33.5	35.7	45.5	40.4	36.6
21	28.0	28.4	27.4	25.8	27.1	23.3	32.9	32.6	35.0	33.7	31.9	33.5
22	29.0	34.2	27.8	28.8	27.2	26.4	31.5	30.1	32.6	39.0	35.4	33.5
23	28.6	34.4	27.8	29.0	27.5	26.7	30.8	30.0	32.5	38.1	34.8	33.6
24	28.4	29.8	27.4	27.4	26.7	26.0	31.1	30.0	32.3	36.4	31.0	31.8
25	28.0	30.0	26.8	26.6	25.7	24.1	30.4	28.0	31.5	37.0	31.6	31.8
26	27.4	28.6	26.4	27.0	25.2	25.8	30.0	28.6	31.0	36.0	31.0	31.6
27	28.0	30.0	26.0	26.8	24.1	24.5	29.8	28.2	30.6	32.5	30.0	31.0
28	27.4	28.6	26.2	26.2	24.8	24.1	29.4	28.0	30.4	31.6	29.5	30.6
29	26.8	27.8	25.8	26.2	24.3	24.5	29.0	27.7	30.0	30.5	28.6	29.8
30	24.8	24.6	24.0	24.6	21.9	23.2	28.3	27.0	29.4	27.6	26.0	28.5
31	25.2	25.4	25.0	25.4	23.6	24.3	28.5	27.0	28.6	28.8	26.4	28.5
Total	**886**	**1007**	**830**	**830**	**784**	**711**	**1002**	**971**	**1038**	**1188**	**1073**	**1050**
Mean	**28.6**	**32.5**	**26.8**	**26.8**	**25.3**	**22.9**	**32.3**	**31.3**	**33.5**	**38.3**	**34.6**	**33.9**
S.D.	**1.3**	**3.2**	**0.8**	**0.9**	**1.2**	**2.1**	**1.9**	**2.2**	**2.1**	**4.4**	**3.7**	**2.3**
C.V.%	**4.4**	**9.9**	**3.0**	**3.5**	**4.7**	**9.0**	**5.9**	**7.1**	**6.2**	**11.6**	**10.7**	**6.8**
Highest	**30.0**	**37.4**	**28.0**	**29.2**	**27.5**	**26.7**	**34.6**	**33.8**	**35.9**	**45.5**	**40.4**	**36.6**
Lowest	**24.8**	**24.6**	**24.0**	**24.6**	**21.9**	**18.7**	**28.3**	**27.0**	**28.6**	**27.6**	**26.0**	**28.5**

AUGUST-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	27.8	23.9	25.9	3.9	98	89	94	25	25	9.0	0.0	0.0	116.3
2	29.1	24.8	27.0	4.3	100	98	99	23	25	7.9	0.0	2.4	029.1
3	28.0	25.9	27.0	2.1	95	89	92	29	27	8.5	0.0	2.4	014.9
4	28.9	26.1	27.5	2.8	92	95	94	27	25	9.7	0.0	3.0	003.8
5	28.5	26.0	27.3	2.5	95	95	95	25	25	8.0	0.0	2.4	002.1
6	28.8	26.0	27.4	2.8	95	95	95	25	27	9.2	0.0	2.5	000.7
7	29.4	26.0	27.7	3.4	97	82	90	25	25	9.0	0.0	2.6	001.1
8	30.2	26.1	28.2	4.1	92	94	93	23	25	10.2	0.0	2.8	000.0
9	29.3	26.0	27.7	3.3	97	98	98	23	25	8.2	0.0	1.4	002.6
10	28.0	24.5	26.3	3.5	100	98	99	23	29	14.7	0.0	0.2	069.0
11	27.5	24.8	26.2	2.7	95	91	93	23	25	15.0	0.0	0.0	103.1
12	29.0	25.3	27.2	3.7	95	83	89	23	25	11.0	0.0	1.9	004.1
13	30.3	25.6	28.0	4.7	94	83	89	18	23	7.3	1.1	2.4	000.0
14	31.2	25.5	28.4	5.7	95	89	92	16	25	7.3	1.1	2.6	000.0
15	30.0	25.2	27.6	4.8	97	84	91	18	25	6.9	0.0	0.7	002.6
16	30.7	25.4	28.1	5.3	98	84	91	18	25	7.9	1.2	2.4	001.2
17	30.4	25.2	27.8	5.2	97	92	95	14	23	9.0	0.0	2.9	011.3
18	30.5	25.2	27.9	5.3	97	78	88	16	23	8.0	0.0	1.6	006.8
19	30.9	25.3	28.1	5.6	97	81	89	14	27	7.7	5.5	2.8	001.0
20	31.2	24.9	28.1	6.3	92	74	83	23	23	5.7	7.3	4.1	001.7
21	32.1	25.0	28.6	7.1	92	73	83	23	25	5.4	6.3	4.6	000.6
22	32.3	25.3	28.8	7.0	89	68	79	23	27	6.7	5.0	3.6	000.0
23	31.9	24.3	28.1	7.6	87	71	79	20	27	4.8	6.2	4.2	001.2
24	31.6	24.1	27.9	7.5	92	75	84	23	27	4.0	5.2	3.8	000.4
25	32.9	24.6	28.8	8.3	86	69	78	23	27	3.5	3.9	4.7	000.0
26	35.0	25.6	30.3	9.4	89	83	86	00	23	4.1	3.2	5.3	000.0
27	32.7	25.5	29.1	7.2	95	91	93	00	23	3.7	0.6	1.8	002.4
28	30.4	25.3	27.9	5.1	98	94	96	16	25	3.6	0.0	2.6	001.2
29	29.5	25.6	27.6	3.9	94	85	90	18	25	5.0	0.0	2.4	012.7
30	31.4	25.7	28.6	5.7	97	79	88	16	25	6.6	2.7	2.1	002.9
31	31.4	26.0	28.7	5.4	97	81	89	16	20	6.1	0.0	2.5	001.0
Total	**941**	**785**	**863**	**156**	**2934**	**2641**	**2788**			**234**	**49**	**79**	**393.8**
Mean	**30.4**	**25.3**	**27.8**	**5.0**	**94.6**	**85.2**	**89.9**			**7.5**	**1.6**	**2.5**	**12.7**
S.D.	**1.7**	**0.6**	**0.9**	**1.9**	**3.5**	**8.9**	**5.7**			**2.8**	**2.4**	**1.3**	**29.1**
C.V.%	**5.7**	**2.4**	**3.2**	**36.7**	**3.7**	**10.5**	**6.3**			**37.4**	**150.7**	**50.9**	**229.0**
High.	**35.0**	**26.1**	**30.3**	**9.4**	**100.0**	**98.0**	**99.0**			**15.0**	**7.3**	**5.3**	**116.3**
Low.	**27.5**	**23.9**	**25.9**	**2.1**	**86.0**	**68.0**	**77.5**			**3.5**	**0.0**	**0.0**	**0.0**

AUGUST-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	26.4	28.4	26.2	27.0	25.4	25.8	28.1	26.0	27.5	30.8	28.2	28.0
2	26.4	26.6	26.4	26.4	25.8	25.7	28.5	26.4	28.5	29.0	27.3	27.6
3	27.0	28.0	26.4	26.6	25.5	25.2	28.6	27.0	28.4	29.8	27.0	28.5
4	27.4	27.6	26.4	27.0	25.2	26.4	28.8	27.1	28.5	29.8	27.8	28.5
5	27.0	28.0	26.4	27.4	25.5	27.1	28.5	27.2	28.5	30.4	28.1	28.4
6	27.0	29.0	26.4	28.4	25.5	28.7	28.8	26.9	28.6	31.4	29.0	28.6
7	27.0	29.4	26.6	27.0	25.8	25.2	28.8	27.1	28.7	31.9	29.1	28.9
8	27.4	28.4	26.4	27.6	25.2	27.2	28.9	27.5	28.7	31.4	28.6	28.9
9	26.8	27.0	26.4	26.8	25.5	26.3	28.8	27.6	28.8	29.4	27.8	28.8
10	25.0	25.8	25.0	25.6	23.8	24.5	27.4	25.6	27.5	27.4	25.8	26.4
11	27.2	28.6	26.6	27.4	25.8	26.6	28.9	26.1	26.7	30.4	27.6	27.4
12	27.6	30.0	27.0	27.6	26.4	26.3	28.8	27.6	28.1	32.4	29.3	28.4
13	27.4	30.4	26.6	28.0	25.7	26.9	28.9	27.5	28.6	34.7	30.5	29.4
14	27.0	29.0	26.4	27.6	25.5	26.9	28.8	27.4	29.0	31.8	29.4	29.4
15	27.0	29.8	26.6	27.6	25.8	26.3	28.8	27.5	29.0	34.9	31.1	29.6
16	26.4	29.6	26.2	27.4	25.4	26.0	28.8	27.5	29.0	32.3	29.2	29.1
17	26.6	28.0	26.2	27.0	25.2	26.1	28.1	27.2	28.7	32.6	30.1	29.3
18	26.6	30.0	26.2	27.0	25.2	24.9	28.6	27.5	28.8	34.9	30.4	29.5
19	26.4	30.6	26.0	28.0	24.9	26.7	28.6	27.8	29.0	35.6	32.0	29.8
20	27.4	31.4	26.4	27.6	25.2	25.4	28.8	27.1	29.4	36.5	31.9	30.5
21	27.4	31.8	26.4	27.8	25.2	25.5	28.9	27.4	29.5	36.8	32.0	30.6
22	27.8	30.6	26.4	26.0	24.9	22.4	28.8	27.5	29.6	34.9	31.8	30.4
23	27.6	31.6	26.0	27.4	24.2	24.8	29.0	27.5	29.7	34.5	31.0	30.1
24	27.0	32.0	26.0	28.4	24.6	26.7	28.9	27.6	29.9	36.4	32.8	31.1
25	28.0	33.8	26.2	29.0	24.3	27.1	29.3	28.0	30.1	38.3	32.9	31.7
26	27.6	30.4	26.2	28.0	24.6	26.9	31.7	29.5	32.0	38.0	35.6	32.8
27	27.0	29.6	26.4	28.4	25.5	28.4	30.4	29.1	31.5	34.8	32.0	31.6
28	27.0	27.8	26.8	27.0	26.3	26.3	29.8	28.6	30.7	32.3	29.9	30.5
29	28.2	30.8	27.4	28.8	26.9	28.5	29.6	27.9	30.0	34.7	31.9	30.8
30	27.4	30.8	27.0	27.8	26.4	26.1	29.6	28.3	30.4	35.3	32.0	31.0
31	27.8	30.6	27.4	28.0	27.1	26.7	29.5	28.2	30.1	35.9	32.9	31.4
Total	**840**	**915**	**819**	**852**	**788**	**814**	**898**	**851**	**904**	**1029**	**935**	**917**
Mean	**27.1**	**29.5**	**26.4**	**27.5**	**25.4**	**26.2**	**29.0**	**27.5**	**29.1**	**33.2**	**30.2**	**29.6**
S.D.	**0.6**	**1.8**	**0.4**	**0.8**	**0.7**	**1.2**	**0.7**	**0.8**	**1.1**	**2.8**	**2.2**	**1.4**
C.V.%	**2.3**	**5.9**	**1.7**	**2.8**	**2.9**	**4.7**	**2.6**	**3.0**	**3.8**	**8.5**	**7.3**	**4.8**
Highest	**28.2**	**33.8**	**27.4**	**29.0**	**27.1**	**28.7**	**31.7**	**29.5**	**32.0**	**38.3**	**35.6**	**32.8**
Lowest	**25.0**	**25.8**	**25.0**	**25.6**	**23.8**	**22.4**	**27.4**	**25.6**	**26.7**	**27.4**	**25.8**	**26.4**

SEPTEMBER-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	31.7	25.3	28.5	6.4	95	92	94	32	25	6.2	3.0	1.2	015.8
2	29.5	25.4	27.5	4.1	94	95	95	23	11	7.3	0.0	0.9	013.6
3	30.0	25.2	27.6	4.8	87	70	79	16	25	3.1	0.0	0.9	047.1
4	32.5	25.9	29.2	6.6	94	97	96	00	23	3.0	3.8	0.7	016.1
5	30.5	25.0	27.8	5.5	98	100	99	34	23	2.8	0.0	0.2	070.8
6	31.5	24.9	28.2	6.6	98	82	90	00	32	3.3	0.0	0.3	046.8
7	31.5	25.5	28.5	6.0	90	78	84	00	99	1.6	1.6	1.8	018.7
8	32.5	25.6	29.1	6.9	97	88	93	00	23	3.3	4.1	1.2	032.8
9	29.0	25.4	27.2	3.6	97	85	91	00	29	2.1	0.0	0.5	015.7
10	30.2	25.8	28.0	4.4	97	92	95	29	23	2.7	0.0	0.5	027.5
11	31.1	24.3	27.7	6.8	100	98	99	00	23	2.8	0.0	0.6	066.3
12	26.5	24.4	25.5	2.1	100	78	89	00	27	3.2	0.0	0.0	082.6
13	30.5	25.6	28.1	4.9	95	88	92	23	25	4.1	0.0	1.1	004.1
14	29.5	26.0	27.8	3.5	94	85	90	18	29	4.1	0.0	1.2	000.0
15	29.5	25.4	27.5	4.1	94	82	88	29	25	3.9	0.0	0.9	000.0
16	31.2	25.8	28.5	5.4	93	74	84	23	25	5.2	0.0	1.6	000.0
17	31.9	25.6	28.8	6.3	92	76	84	25	29	5.7	4.0	3.2	000.0
18	31.6	24.6	28.1	7.0	89	71	80	34	34	3.6	2.1	1.4	002.6
19	33.0	24.5	28.8	8.5	88	64	76	34	99	3.0	6.1	3.5	002.2
20	34.5	23.7	29.1	10.8	82	100	91	05	99	3.5	6.9	4.1	000.0
21	33.9	24.2	29.1	9.7	97	74	86	00	16	2.4	0.0	1.7	018.5
22	31.4	27.1	29.3	4.3	87	85	86	14	14	4.2	4.4	3.0	000.0
23	31.6	25.9	28.8	5.7	86	69	78	16	23	7.4	1.4	2.3	001.3
24	32.6	24.9	28.8	7.7	86	69	78	00	34	4.3	6.9	2.1	021.9
25	32.9	25.5	29.2	7.4	93	67	80	99	32	2.6	6.4	2.6	011.6
26	33.0	25.5	29.3	7.5	90	73	82	00	00	2.8	2.7	3.0	000.9
27	32.9	24.5	28.7	8.4	90	97	94	18	18	3.0	3.0	2.4	017.9
28	30.9	24.6	27.8	6.3	92	95	94	14	16	6.3	0.0	1.7	013.3
29	27.2	23.4	25.3	3.8	98	100	99	23	20	8.4	0.0	0.0	057.2
30	27.4	22.0	24.7	5.4	100	85	93	20	23	7.0	0.0	0.0	073.4
Total	**932**	**752**	**842**	**181**	**2793**	**2509**	**2651**			**123**	**56**	**45**	**678.7**
Mean	**31.1**	**25.1**	**28.1**	**6.0**	**93.1**	**83.6**	**88.4**			**4.1**	**1.9**	**1.5**	**22.6**
S.D.	**1.9**	**1.0**	**1.2**	**1.9**	**4.8**	**11.3**	**6.8**			**1.8**	**2.4**	**1.1**	**25.3**
C.V.%	**6.2**	**3.8**	**4.1**	**32.0**	**5.1**	**13.5**	**7.7**			**43.2**	**128.1**	**75.1**	**111.8**
High.	**34.5**	**27.1**	**29.3**	**10.8**	**100.0**	**100.0**	**99.0**			**8.4**	**6.9**	**4.1**	**82.6**
Low.	**26.5**	**22.0**	**24.7**	**2.1**	**82.0**	**64.0**	**76.0**			**1.6**	**0.0**	**0.0**	**0.0**

SEPTEMBER-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	26.6	27.8	26.0	26.8	24.8	25.8	29.5	26.5	30.6	36.4	29.2	30.3
2	27.6	27.6	26.8	27.0	24.5	26.4	29.7	27.9	29.5	30.8	29.4	30.0
3	28.0	32.0	26.4	27.6	24.8	24.9	29.0	27.6	29.5	35.9	31.9	30.4
4	27.4	26.8	26.6	26.4	25.7	25.5	29.5	28.1	29.8	31.5	29.8	30.7
5	27.0	26.0	26.8	26.0	26.3	25.2	29.3	27.8	29.5	30.9	30.8	29.8
6	26.2	29.4	26.0	27.0	25.1	25.2	28.7	27.4	29.2	33.5	31.0	30.0
7	27.6	32.0	26.6	28.8	25.4	27.7	29.5	27.8	29.6	35.9	32.6	30.9
8	26.4	29.0	26.0	27.4	24.9	26.1	29.5	28.4	29.9	32.5	29.6	29.8
9	26.4	29.4	26.0	27.4	24.9	26.1	29.1	27.9	29.5	32.5	29.9	29.7
10	27.0	29.0	26.6	28.0	25.8	27.7	29.7	28.1	29.8	34.5	31.0	30.0
11	25.6	25.6	25.6	25.4	24.6	24.2	28.9	27.5	28.9	29.4	27.6	28.8
12	24.8	30.0	24.8	27.0	23.5	24.9	28.8	26.9	28.5	33.4	30.1	29.0
13	27.0	28.6	26.4	27.0	25.5	25.8	29.0	27.8	29.1	31.6	29.1	29.3
14	27.4	29.0	26.6	27.0	25.7	25.5	29.6	27.7	29.4	31.6	29.2	29.5
15	27.2	29.8	26.4	27.4	25.2	26.0	29.3	27.6	29.0	32.9	30.1	29.9
16	27.0	31.4	26.2	27.6	25.1	25.4	29.0	27.6	29.4	35.1	30.9	29.8
17	27.6	30.6	26.6	27.2	25.5	24.9	29.4	27.9	29.5	35.2	31.2	30.0
18	27.4	32.4	26.0	28.2	24.3	26.1	28.8	27.2	29.6	36.6	33.5	30.8
19	28.6	34.0	27.0	28.4	25.8	25.5	29.6	28.1	30.4	37.3	33.4	31.5
20	28.8	24.4	26.4	24.4	24.3	22.9	30.4	28.7	30.9	32.2	32.0	31.9
21	26.4	30.0	26.0	26.4	24.9	23.6	28.7	27.4	29.8	35.0	31.1	30.6
22	28.6	29.0	25.2	27.0	23.1	26.6	29.0	27.8	30.1	36.6	31.5	30.3
23	27.4	32.0	25.6	27.4	23.5	24.5	28.8	27.1	29.5	36.4	32.7	30.6
24	27.8	32.0	26.0	27.4	24.1	24.5	29.1	27.4	29.7	36.5	32.2	30.6
25	27.0	32.6	26.2	27.6	25.1	24.6	29.4	28.1	30.2	36.6	32.4	30.9
26	27.0	32.0	25.8	28.0	24.2	25.8	29.6	28.3	30.4	36.7	32.7	31.0
27	26.8	25.8	25.6	25.4	23.9	24.1	29.5	28.1	30.0	33.6	31.0	30.5
28	26.0	26.0	25.0	25.4	23.2	23.9	28.6	27.3	29.4	30.5	28.4	29.0
29	24.0	25.0	23.8	25.0	22.0	23.8	27.0	26.7	28.4	28.4	26.6	27.7
30	24.0	29.0	24.0	27.0	22.4	25.5	26.9	25.6	27.4	30.9	28.3	28.8
Total	**807**	**878**	**779**	**809**	**738**	**759**	**873**	**828**	**887**	**1011**	**919**	**902**
Mean	**26.9**	**29.3**	**26.0**	**27.0**	**24.6**	**25.3**	**29.1**	**27.6**	**29.6**	**33.7**	**30.6**	**30.1**
S.D.	**1.2**	**2.6**	**0.8**	**1.0**	**1.0**	**1.1**	**0.7**	**0.6**	**0.7**	**2.5**	**1.7**	**0.9**
C.V.%	**4.3**	**8.7**	**3.0**	**3.8**	**4.2**	**4.4**	**2.4**	**2.2**	**2.3**	**7.5**	**5.6**	**2.9**
Highest	**28.8**	**34.0**	**27.0**	**28.8**	**26.3**	**27.7**	**30.4**	**28.7**	**30.9**	**37.3**	**33.5**	**31.9**
Lowest	**24.0**	**24.4**	**23.8**	**24.4**	**22.0**	**22.9**	**26.9**	**25.6**	**27.4**	**28.4**	**26.6**	**27.7**

OCTOBER-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	29.9	25.5	27.7	4.4	95	70	82.5	23	27	6.0	0.0	1.1	000.0
2	31.9	24.8	28.4	7.1	95	68	81.5	00	32	4.8	9.5	3.4	000.0
3	32.6	24.7	28.7	7.9	86	77	81.5	29	05	3.4	9.7	3.8	000.0
4	33.6	24.5	29.1	9.1	83	54	68.5	00	27	2.8	9.3	3.9	000.0
5	33.4	22.9	28.2	10.5	78	62	70.0	05	34	3.1	9.6	3.8	000.0
6	33.0	22.7	27.9	10.3	90	62	76.0	34	34	2.6	7.1	3.4	011.1
7	33.4	22.4	27.9	11.0	85	62	73.5	02	07	2.0	6.4	2.6	025.7
8	33.2	24.1	28.7	9.1	89	56	72.5	29	34	3.0	9.2	3.2	000.0
9	34.5	23.9	29.2	10.6	81	60	70.5	34	00	2.2	9.2	3.8	000.0
10	34.6	25.7	30.2	8.9	73	52	62.5	34	36	2.8	8.0	3.7	000.0
11	35.6	24.3	30.0	11.3	80	45	62.5	23	02	2.0	7.8	3.7	000.0
12	35.1	21.3	28.2	13.8	80	44	62.0	00	11	2.1	9.2	3.8	000.0
13	35.5	22.4	29.0	13.1	79	47	63.0	25	11	2.1	9.6	3.8	000.0
14	35.6	22.0	28.8	13.6	78	37	57.5	20	11	1.9	9.2	4.0	000.0
15	35.5	21.5	28.5	14.0	77	39	58.0	00	05	1.8	9.9	3.9	000.0
16	35.7	22.3	29.0	13.4	77	38	57.5	18	07	2.0	9.5	4.1	000.0
17	36.0	22.1	29.1	13.9	79	42	60.5	29	05	2.0	9.6	4.1	000.0
18	35.6	21.4	28.5	14.2	74	39	56.5	20	07	2.0	9.7	3.9	000.0
19	35.4	23.3	29.4	12.1	81	46	63.5	00	09	2.1	8.4	3.7	000.0
20	35.3	23.1	29.2	12.2	85	55	70.0	20	07	2.6	7.6	3.6	001.0
21	33.2	25.3	29.3	7.9	67	43	55.0	00	09	3.3	7.3	3.7	000.0
22	33.5	26.3	29.9	7.2	67	64	65.5	00	05	3.2	8.2	4.0	000.0
23	31.6	22.6	27.1	9.0	78	57	67.5	09	05	2.4	0.9	3.4	000.0
24	32.9	21.4	27.2	11.5	66	47	56.5	34	07	3.7	7.3	3.7	000.0
25	33.2	24.5	28.9	8.7	53	42	47.5	11	05	5.1	8.9	4.1	000.0
26	32.5	27.2	29.9	5.3	50	52	51.0	99	09	6.0	2.1	4.8	000.0
27	32.0	26.2	29.1	5.8	70	54	62.0	99	16	5.8	1.0	4.9	000.0
28	32.5	25.4	29.0	7.1	65	50	57.5	09	16	4.0	1.0	3.0	000.0
29	33.5	23.2	28.4	10.3	80	61	70.5	11	99	4.4	7.8	4.5	000.0
30	34.4	23.0	28.7	11.4	81	55	68.0	00	07	3.6	4.4	2.0	004.4
31	35.5	24.0	29.8	11.5	86	55	70.5	32	07	2.7	7.0	3.7	000.0
Total	**1050**	**734**	**892**	**316**	**2408**	**1635**	**2022**			**98**	**224**	**113**	**42.2**
Mean	**33.9**	**23.7**	**28.8**	**10.2**	**77.7**	**52.7**	**65.2**			**3.1**	**7.2**	**3.6**	**1.4**
S.D.	**1.5**	**1.6**	**0.8**	**2.7**	**10.3**	**10.2**	**8.7**			**1.3**	**3.0**	**0.7**	**5.0**
C.V.%	**4.5**	**6.8**	**2.6**	**26.9**	**13.3**	**19.3**	**13.4**			**40.4**	**42.0**	**20.0**	**366.5**
High.	**36.0**	**27.2**	**30.2**	**14.2**	**95.0**	**77.0**	**82.5**			**6.0**	**9.9**	**4.9**	**25.7**
Low.	**29.9**	**21.3**	**27.1**	**4.4**	**50.0**	**37.0**	**47.5**			**1.8**	**0.0**	**1.1**	**0.0**

OCTOBER-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	27.4	31.4	26.8	27.0	26.1	24.1	28.5	27.4	28.4	34.2	30.8	29.4
2	27.2	32.0	26.6	27.2	25.8	24.1	28.6	27.4	28.9	35.7	33.1	30.2
3	27.4	33.0	25.6	26.8	23.5	24.4	28.6	27.4	29.5	37.4	33.6	30.8
4	27.6	33.2	25.4	26.0	22.9	20.7	28.7	27.5	29.9	37.1	33.8	31.1
5	27.0	31.6	24.2	26.0	20.9	21.7	27.8	27.1	29.6	36.5	32.6	30.6
6	25.6	31.6	24.4	26.0	22.3	21.7	27.5	27.0	29.4	36.6	32.9	30.5
7	26.2	32.6	24.4	26.8	21.9	22.8	27.9	27.1	29.2	36.7	32.4	29.9
8	27.0	33.4	25.6	26.4	23.8	21.5	28.8	27.2	29.4	36.9	33.8	31.3
9	27.2	33.6	24.8	27.4	22.0	23.6	28.5	27.4	29.9	36.9	33.5	31.0
10	28.2	34.2	24.6	26.4	20.9	20.9	28.7	27.1	30.0	37.3	33.8	31.1
11	27.3	34.6	24.8	25.4	21.9	18.7	28.8	27.4	30.1	37.5	34.0	31.6
12	24.8	34.2	22.4	24.8	18.9	17.7	27.0	26.5	29.8	36.4	33.4	31.6
13	24.8	34.4	22.2	25.6	18.4	19.2	27.1	26.3	29.5	37.1	33.8	31.4
14	25.8	35.0	23.0	24.0	19.3	15.6	27.3	26.6	29.8	37.0	33.2	30.9
15	25.2	35.4	22.4	24.8	18.7	17.0	26.9	25.8	29.5	37.8	33.1	30.9
16	27.0	35.4	24.0	24.6	20.6	16.6	27.5	27.0	29.6	37.5	33.7	30.8
17	25.0	35.2	22.4	25.2	18.8	17.9	27.0	26.6	29.4	37.1	33.2	30.7
18	25.4	34.4	22.2	24.0	18.1	16.0	26.7	25.8	29.5	36.9	32.9	30.5
19	25.6	34.0	23.2	25.0	19.8	20.6	27.1	26.4	29.4	37.0	32.8	30.5
20	26.2	32.0	24.4	25.0	21.9	19.5	28.0	26.9	29.6	36.6	33.1	30.9
21	27.4	33.0	23.0	23.6	18.4	16.1	27.6	27.1	29.5	38.4	33.4	30.9
22	27.8	30.4	23.4	25.2	18.9	20.8	28.6	27.8	29.9	36.4	30.2	29.8
23	27.2	32.0	24.4	25.4	21.2	20.3	28.4	26.5	29.3	38.8	33.1	30.6
24	26.0	32.4	21.6	24.0	16.7	17.2	26.7	26.1	29.4	37.9	33.8	30.3
25	27.0	31.2	20.6	22.0	14.3	14.2	27.2	26.4	29.4	36.8	32.5	30.0
26	28.8	30.8	21.6	23.6	14.9	17.4	27.5	25.6	28.6	36.0	32.0	29.9
27	28.0	31.6	24.0	24.6	19.9	18.9	29.4	27.6	29.5	35.8	31.9	30.1
28	27.8	32.6	23.0	24.6	18.1	18.3	29.3	26.8	26.9	40.0	35.3	31.0
29	27.4	31.4	24.8	25.6	21.9	21.1	30.6	27.6	30.9	37.2	34.0	31.6
30	26.4	33.4	24.0	26.2	20.9	21.1	28.8	27.4	29.9	38.3	34.9	31.2
31	27.0	33.6	25.2	26.4	22.9	21.3	29.4	27.9	30.2	40.2	36.1	32.5
Total	**829**	**1024**	**739**	**786**	**635**	**611**	**871**	**835**	**914**	**1152**	**1031**	**954**
Mean	**26.7**	**33.0**	**23.8**	**25.3**	**20.5**	**19.7**	**28.1**	**26.9**	**29.5**	**37.2**	**33.2**	**30.8**
S.D.	**1.1**	**1.4**	**1.5**	**1.2**	**2.7**	**2.7**	**1.0**	**0.6**	**0.7**	**1.2**	**1.1**	**0.6**
C.V.%	**4.0**	**4.3**	**6.2**	**4.9**	**13.3**	**13.8**	**3.4**	**2.3**	**2.3**	**3.1**	**3.4**	**2.1**
Highest	**28.8**	**35.4**	**26.8**	**27.4**	**26.1**	**24.4**	**30.6**	**27.9**	**30.9**	**40.2**	**36.1**	**32.5**
Lowest	**24.8**	**30.4**	**20.6**	**22.0**	**14.3**	**14.2**	**26.7**	**25.6**	**26.9**	**34.2**	**30.2**	**29.4**

NOVEMBER-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	35.5	24.4	30.0	11.1	76	52	64.0	00	05	2.8	6.4	4.2	000.0
2	35.4	24.8	30.1	10.6	78	66	72.0	16	14	3.3	6.6	3.5	000.0
3	30.5	23.2	26.9	7.3	73	43	58.0	16	20	4.3	1.7	2.8	000.0
4	33.5	23.2	28.4	10.3	83	46	64.5	11	11	4.0	5.8	3.7	000.0
5	34.0	22.1	28.1	11.9	87	45	66.0	00	09	3.0	4.8	3.6	000.0
6	34.9	22.4	28.7	12.5	93	44	68.5	14	23	2.3	7.8	4.3	000.0
7	33.5	23.5	28.5	10.0	73	54	63.5	25	09	4.0	5.1	3.5	000.0
8	32.0	22.1	27.1	9.9	47	50	48.5	02	36	3.6	2.5	4.4	000.0
9	32.5	22.0	27.3	10.5	54	48	51.0	99	05	7.5	8.1	4.7	000.0
10	33.1	22.0	27.6	11.1	63	56	59.5	00	07	6.3	8.1	5.2	000.0
11	33.2	20.1	26.7	13.1	74	23	48.5	20	16	2.3	6.3	4.5	000.0
12	35.7	19.5	27.6	16.2	77	41	59.0	00	25	3.3	9.5	4.2	000.0
13	33.8	19.8	26.8	14.0	78	32	55.0	00	16	2.8	8.2	4.6	000.0
14	34.4	21.2	27.8	13.2	80	98	89.0	00	25	1.9	6.5	4.2	000.0
15	26.7	19.8	23.3	6.9	89	49	69.0	00	34	3.3	5.9	1.6	011.2
16	32.0	20.5	26.3	11.5	89	49	69.0	16	18	2.0	7.9	3.8	000.0
17	32.4	21.2	26.8	11.2	75	44	59.5	00	18	3.4	8.3	3.3	000.0
18	33.4	20.1	26.8	13.3	89	43	66.0	00	09	3.5	8.0	3.6	000.0
19	32.4	18.6	25.5	13.8	78	41	59.5	23	99	3.5	4.2	3.1	000.0
20	31.0	17.8	24.4	13.2	77	36	56.5	32	05	2.0	1.3	3.0	000.0
21	30.9	15.1	23.0	15.8	83	31	57.0	00	18	1.8	5.8	3.1	000.0
22	33.5	17.4	25.5	16.1	80	36	58.0	00	32	2.1	8.8	3.1	000.0
23	33.6	19.1	26.4	14.5	79	38	58.5	00	29	1.8	7.8	3.0	000.0
24	33.0	17.9	25.5	15.1	76	45	60.5	00	07	2.4	7.2	3.1	000.0
25	32.9	19.1	26.0	13.8	87	46	66.5	00	36	2.1	6.0	3.2	000.0
26	32.5	19.5	26.0	13.0	84	41	62.5	00	36	2.1	6.0	3.0	000.0
27	32.8	20.7	26.8	12.1	76	45	60.5	16	36	3.4	5.8	3.2	000.0
28	31.6	23.7	27.7	7.9	32	37	34.5	07	02	6.8	5.4	5.0	000.0
29	30.6	18.0	24.3	12.6	68	40	54.0	00	07	7.7	6.5	6.2	000.0
30	30.2	15.9	23.1	14.3	77	49	63.0	00	36	6.1	6.4	4.1	000.0
Total	**982**	**615**	**798**	**367**	**2275**	**1368**	**1822**			**105**	**189**	**112.8**	**11.2**
Mean	**32.7**	**20.5**	**26.6**	**12.2**	**75.8**	**45.6**	**60.7**			**3.5**	**6.3**	**3.8**	**0.4**
S.D.	**1.8**	**2.4**	**1.8**	**2.4**	**12.8**	**12.8**	**9.2**			**1.7**	**2.0**	**0.9**	**2.0**
C.V.%	**5.6**	**11.9**	**6.7**	**19.8**	**16.9**	**28.2**	**15.2**			**48.6**	**31.3**	**23.8**	**547.7**
High.	**35.7**	**24.8**	**30.1**	**16.2**	**93.0**	**98.0**	**89.0**			**7.7**	**9.5**	**6.2**	**11.2**
Low.	**26.7**	**15.1**	**23.0**	**6.9**	**32.0**	**23.0**	**34.5**			**1.8**	**1.3**	**1.6**	**0.0**

NOVEMBER-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	28.6	34.0	25.4	26.2	22.4	20.7	29.8	28.9	30.7	41.7	37.1	31.9
2	26.8	30.0	24.0	25.2	20.7	21.1	29.9	28.1	30.9	36.7	31.9	31.3
3	27.8	33.0	24.2	23.6	20.4	16.1	29.6	27.9	30.1	39.1	35.5	31.9
4	27.0	33.2	24.8	24.4	22.1	17.5	29.7	28.2	30.6	39.7	35.2	31.8
5	25.2	33.8	23.6	24.8	19.0	18.0	29.5	28.1	30.2	40.8	36.0	31.9
6	24.8	33.0	24.0	23.8	21.9	16.5	29.7	28.1	30.8	39.6	35.9	32.0
7	25.0	31.0	21.6	24.0	17.3	18.1	29.8	28.5	30.9	38.6	34.3	31.5
8	24.0	32.0	17.2	24.2	10.6	17.9	27.7	26.4	30.1	40.1	35.5	31.2
9	23.4	32.4	17.6	24.2	11.6	17.7	27.6	26.5	29.9	39.6	34.6	30.8
10	24.2	31.2	19.6	24.6	14.3	19.1	29.2	27.8	30.1	37.5	35.0	31.6
11	24.4	35.0	21.2	20.8	16.9	9.8	28.1	27.4	30.2	41.2	36.1	31.6
12	24.8	33.2	22.0	23.4	18.1	15.6	28.6	27.0	30.8	39.5	36.0	32.5
13	23.2	33.4	20.6	21.8	16.6	12.5	27.7	26.5	30.5	40.4	36.5	31.4
14	24.2	23.2	21.8	23.0	18.1	20.8	28.4	27.2	31.3	38.0	34.8	31.4
15	22.6	31.0	21.4	23.2	19.1	18.4	26.4	25.5	29.1	36.8	32.0	29.9
16	23.0	32.0	21.8	24.0	18.9	17.4	26.0	25.2	28.5	37.0	32.2	29.9
17	24.4	32.8	21.4	23.8	17.4	16.6	26.5	25.4	28.3	38.8	33.1	30.3
18	22.0	32.0	20.8	22.8	17.7	15.2	25.9	24.9	27.3	36.9	32.0	29.4
19	20.8	30.6	18.4	21.4	14.4	13.5	25.1	24.3	28.1	33.6	28.9	28.4
20	21.4	29.6	18.8	19.8	14.7	11.3	24.6	23.6	27.0	34.1	29.2	28.1
21	19.8	33.0	18.0	21.2	14.3	11.7	23.5	22.8	26.8	37.8	32.3	28.4
22	21.4	33.4	19.2	22.6	15.4	14.0	24.5	23.9	27.5	37.5	33.3	28.6
23	22.8	32.2	20.4	22.0	17.1	13.5	26.6	24.8	28.4	36.9	33.2	29.5
24	22.2	32.0	19.4	23.2	15.2	16.0	25.4	24.8	28.4	37.3	33.4	29.6
25	20.4	32.0	19.0	23.4	15.7	16.3	25.1	24.3	28.1	37.8	33.1	29.4
26	22.2	32.0	20.4	22.4	16.9	14.4	26.4	25.3	28.8	37.9	34.0	29.5
27	22.2	31.0	19.4	22.4	15.1	15.1	26.4	25.6	28.9	36.6	32.5	29.6
28	25.0	30.0	15.6	20.2	7.6	11.8	26.0	25.3	28.6	35.7	32.0	29.0
29	20.0	29.8	16.5	20.6	12.0	12.6	25.5	25.0	28.6	35.5	32.1	29.0
30	18.8	30.0	16.4	22.4	12.6	15.7	24.7	24.1	27.6	36.4	32.3	28.6
Total	**702**	**952**	**615**	**689**	**494**	**475**	**814**	**781**	**877**	**1139**	**1010**	**910**
Mean	**23.4**	**31.7**	**20.5**	**23.0**	**16.5**	**15.8**	**27.1**	**26.0**	**29.2**	**38.0**	**33.7**	**30.3**
S.D.	**2.4**	**2.1**	**2.6**	**1.5**	**3.5**	**2.9**	**1.9**	**1.7**	**1.3**	**2.0**	**2.0**	**1.3**
C.V.%	**10.1**	**6.7**	**12.7**	**6.7**	**21.2**	**18.4**	**7.2**	**6.5**	**4.6**	**5.2**	**6.0**	**4.4**
Highest	**28.6**	**35.0**	**25.4**	**26.2**	**22.4**	**21.1**	**29.9**	**28.9**	**31.3**	**41.7**	**37.1**	**32.5**
Lowest	**18.8**	**23.2**	**15.6**	**19.8**	**7.6**	**9.8**	**23.5**	**22.8**	**26.8**	**33.6**	**28.9**	**28.1**

DECEMBER-2019

Date	Temperature (°C)				RH. %			W.D (degree)		W.S.	B.S.S	Evapo.	Rainfall
	Max	Min	Mean	Range	I	II	Mean	I	II	(km/h)	(hrs)	(mm)	(mm)
1	30.5	18.2	24.4	12.3	85	45	65	11	99	2.1	6.7	3.8	000.0
2	30.6	18.5	24.6	12.1	71	41	56	00	05	2.3	4.3	3.2	000.0
3	32.4	20.0	26.2	12.4	71	49	60	16	07	3.1	7.4	3.5	000.0
4	33.0	20.9	27.0	12.1	78	51	65	00	34	3.0	5.0	3.3	000.0
5	32.9	22.5	27.7	10.4	65	53	59	00	07	3.1	1.8	4.4	000.0
6	33.0	23.0	28.0	10.0	67	43	55	99	05	3.3	0.0	3.0	000.0
7	28.6	21.4	25.0	7.2	43	37	40	05	02	4.9	0.0	3.5	000.0
8	29.9	14.0	22.0	15.9	57	36	47	23	05	3.8	4.6	3.7	000.0
9	31.5	13.9	22.7	17.6	78	40	59	00	05	2.7	6.8	3.9	000.0
10	30.6	16.5	23.6	14.1	81	34	58	00	99	3.2	3.6	3.7	000.0
11	30.8	13.4	22.1	17.4	72	25	49	00	32	2.8	6.5	3.6	000.0
12	30.1	15.0	22.6	15.1	77	47	62	00	34	2.4	8.4	3.7	000.0
13	29.7	18.0	23.9	11.7	91	51	71	29	36	3.0	7.7	3.1	000.0
14	29.0	15.6	22.3	13.4	84	38	61	07	07	2.5	6.1	3.0	000.0
15	28.5	13.2	20.9	15.3	67	30	49	07	02	4.0	7.6	3.0	000.0
16	28.1	18.5	23.3	9.6	43	28	36	02	07	6.7	8.5	4.7	000.0
17	27.0	17.4	22.2	9.6	52	29	41	36	05	10.0	9.1	6.8	000.0
18	27.1	12.6	19.9	14.5	70	46	58	00	05	5.6	8.7	5.7	000.0
19	28.9	14.6	21.8	14.3	87	40	64	00	34	3.8	8.0	3.5	000.0
20	28.9	13.9	21.4	15.0	85	42	64	00	36	2.6	7.1	3.1	000.0
21	29.0	13.5	21.3	15.5	77	28	53	00	99	2.6	6.9	3.3	000.0
22	30.2	14.0	22.1	16.2	74	38	56	00	05	4.5	7.9	4.5	000.0
23	30.0	16.7	23.4	13.3	73	53	63	02	34	5.4	5.1	3.7	000.0
24	30.1	16.4	23.3	13.7	79	40	60	18	09	4.3	3.1	3.7	000.0
25	29.6	17.0	23.3	12.6	50	32	41	07	05	6.2	2.7	3.9	000.0
26	28.8	13.1	21.0	15.7	72	40	56	00	02	7.0	6.7	5.5	000.0
27	28.1	14.0	21.1	14.1	41	25	33	99	07	3.2	6.2	3.4	000.0
28	28.0	10.2	19.1	17.8	60	27	44	07	02	3.7	9.1	4.1	000.0
29	28.2	10.2	19.2	18.0	70	35	53	00	07	3.4	8.8	3.6	000.0
30	26.1	10.4	18.3	15.7	36	29	33	99	36	5.1	0.0	3.2	000.0
31	27.0	9.4	18.2	17.6	65	39	52	16	36	5.4	7.3	3.0	000.0
Total	**916**	**486**	**701**	**430**	**2121**	**1191**	**1656**			**126**	**182**	**118**	**0.0**
Mean	**29.6**	**15.7**	**22.6**	**13.9**	**68.4**	**38.4**	**53.4**			**4.1**	**5.9**	**3.8**	**0.0**
S.D.	**1.8**	**3.6**	**2.5**	**2.7**	**14.5**	**8.4**	**10.1**			**1.7**	**2.7**	**0.9**	**0.0**
C.V.%	**6.1**	**23.0**	**11.0**	**19.6**	**21.1**	**21.9**	**18.9**			**42.8**	**46.6**	**22.8**	**#DIV/0!**
High.	**33.0**	**23.0**	**28.0**	**18.0**	**91.0**	**53.0**	**71.0**			**10.0**	**9.1**	**6.8**	**0.0**
Low.	**26.1**	**9.4**	**18.2**	**7.2**	**36.0**	**25.0**	**32.5**			**2.1**	**0.0**	**3.0**	**0.0**

DECEMBER-2019

Date	D.B. (°C)		W.B. (°C)		V.P. (mmHg)		Soil Temperature (°C)					
	I	II	I	II	I	II	5(I)	10(I)	20(I)	5(II)	10(II)	20(II)
1	19.6	30.2	18.0	21.8	14.5	14.4	25.0	24.6	27.9	36.4	31.6	28.6
2	20.0	31.4	16.8	22.0	14.5	14.1	25.3	24.8	28.0	37.5	32.4	28.8
3	24.0	32.0	20.4	24.0	15.8	17.4	26.6	25.3	28.3	37.0	33.2	29.6
4	23.0	32.0	20.4	24.4	16.4	18.2	26.9	36.6	29.3	36.7	33.0	29.7
5	24.6	31.2	20.2	24.0	15.0	18.0	28.5	27.3	29.5	36.6	32.5	29.9
6	24.0	27.0	20.0	19.0	15.1	11.6	28.8	27.8	29.6	31.1	29.1	29.5
7	22.6	29.0	15.4	19.4	8.8	11.0	25.7	24.9	27.9	34.9	30.7	28.5
8	19.6	30.0	14.8	20.0	9.7	11.5	23.9	23.1	27.4	35.5	31.9	28.9
9	17.0	29.8	14.8	20.6	11.3	12.6	23.5	23.0	26.9	34.9	30.2	28.0
10	19.0	30.6	17.0	20.0	13.3	11.1	24.3	23.9	27.2	35.4	31.0	28.5
11	17.6	29.6	14.8	17.6	10.9	7.8	22.9	23.0	26.7	35.0	30.5	27.5
12	18.0	29.0	15.6	21.2	11.8	14.1	23.2	23.3	26.8	34.9	30.2	27.4
13	20.4	27.4	19.4	20.6	16.3	14.1	25.4	24.8	27.4	34.5	30.8	28.5
14	18.4	28.0	16.8	18.8	13.4	10.7	24.1	23.8	27.2	34.5	31.0	28.4
15	16.0	27.6	12.8	17.2	9.1	8.4	22.8	23.0	26.7	34.4	30.2	27.5
16	20.8	26.0	14.0	15.6	7.8	7.0	23.4	23.1	26.4	34.0	29.9	26.8
17	20.0	27.0	14.6	16.6	9.2	7.8	23.4	22.9	26.0	34.2	29.8	26.8
18	14.8	28.4	12.0	20.6	8.9	13.5	22.6	22.3	25.8	35.1	30.4	26.9
19	16.0	28.8	14.8	19.8	11.9	11.8	23.4	23.1	26.3	35.4	30.3	26.9
20	15.4	28.6	14.0	20.0	11.2	12.3	22.7	22.8	26.0	35.1	30.0	26.6
21	16.0	30.0	13.8	18.6	10.5	9.1	22.6	22.4	26.0	35.7	30.9	26.9
22	17.6	29.4	15.0	20.0	11.2	11.8	23.6	23.2	26.0	34.6	30.0	26.7
23	18.8	29.0	16.0	22.2	11.9	15.9	24.4	24.0	26.5	35.0	30.5	27.0
24	18.6	29.6	16.4	20.4	12.6	12.4	24.4	23.9	26.6	34.9	30.3	27.1
25	20.8	28.0	15.0	17.8	9.3	9.1	24.8	24.1	26.8	35.5	30.6	27.6
26	15.4	27.4	12.8	18.8	9.5	11.0	22.9	22.7	26.3	35.0	28.9	26.7
27	18.6	27.4	12.0	16.2	6.9	7.0	21.6	21.3	25.5	35.3	29.9	26.2
28	13.6	27.4	10.0	16.4	7.1	7.3	20.6	20.8	25.0	34.6	29.0	25.8
29	13.0	24.0	10.4	15.4	7.8	7.9	20.8	20.6	24.9	33.1	28.0	25.0
30	16.8	25.6	10.0	15.6	2.6	7.2	19.5	19.2	23.6	31.7	27.8	24.5
31	12.4	24.0	9.4	16.0	7.1	8.8	19.7	19.5	23.9	30.5	26.3	24.5
Total	**572**	**885**	**467**	**601**	**341**	**355**	**737**	**735**	**828**	**1079**	**941**	**851**
Mean	**18.5**	**28.6**	**15.1**	**19.4**	**11.0**	**11.4**	**23.8**	**23.7**	**26.7**	**34.8**	**30.4**	**27.5**
S.D.	**3.2**	**2.0**	**3.1**	**2.5**	**3.2**	**3.3**	**2.2**	**3.0**	**1.4**	**1.5**	**1.5**	**1.4**
C.V.%	**17.3**	**7.1**	**20.5**	**13.1**	**29.4**	**28.7**	**9.2**	**12.8**	**5.3**	**4.4**	**4.8**	**5.2**
Highest	**24.6**	**32.0**	**20.4**	**24.4**	**16.4**	**18.2**	**28.8**	**36.6**	**29.6**	**37.5**	**33.2**	**29.9**
Lowest	**12.4**	**24.0**	**9.4**	**15.4**	**2.6**	**7.0**	**19.5**	**19.2**	**23.6**	**30.5**	**26.3**	**24.5**

APPENDIX - 2

THE STANDARD METEOROLOGICAL PERIODS AND WEEKS.					
Period No.	**Week No.**	**Dates**	**Period No.**	**Week No.**	**Dates**
I	01-Jan	1--7	**VII**	27-Jul	2--8
	2	8--14		28	9--15
	3	15--21		29	16--22
	4	22--28		30	23--29
	5	29--4		31	30--5
II	06-Feb	5--11	**VIII**	32-Aug	6--12
	7	12--18		33	13--19
	8	19--25		34	20--26
	9	26--4*		35	27--2
III	10-Mar	5--11	**IX**	36-Sep	3--9
	11	12--18		37	10--16
	12	19--25		38	17--23
	13	26--1		39	24--30
IV	14-Apr	2--8	**X**	40-Oct	1--7
	15	9--15		41	8--14
	16	16--22		42	15--21
	17	23--29		43	22--28
	18	30--6		44	29--4
V	19-May	7--13	**XI**	45-Nov	5--11
	20	14--20		46	12--18
	21	21--27		47	19--25
	22	28--3		48	26--2
VI	23-Jun	4--10	**XII**	49-Dec	3--9
	24	11--17		50	10--16
	25	18--24		51	17--23
	26	25--1		52	24--31

*** In Leap year the week No.9 will have eight days i.e. from 26 February to 4 March.**

" 52nd week will have 8 days, 24 to 31 December