GOVERNMENT OF INDIA

India METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1929

INTRODUCTION

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UNDER THE DIRECTION OF

C. W. B. NORMAND, M.A., D.Sc.,

Director General of Observatories

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INDIA WEATHER REVIEW, 1929

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INDIA WEATHER REVIEW, 1929

INTRODUCTION.

THE India Weather Review for each year from 1923 onwards is composed of the Monthly Weather Reports, which are published promptly at the end of each month, and the Annual Summary, which is intended primarily for scientific reference and must always be somewhat delayed in publication in order to allow time for the collection and analysis of statistics from all provincial rainfall stations and extra-Indian stations, as well as of logs of steamers used in the discussion of storms in the Indian seas.

Each Monthly Weather Report gives a short account of the weather of the month and includes the following three tables :—

I—mean monthly data of rainfall, temperature, humidity and cloud for the 15 chief political divisions,

II—similar data for the 33 sub-divisions,

III—monthly means for each of the 186 stations, which telegraph observations daily at 8 hrs. to headquarters; these means form the basis of the divisional means appearing in the above-mentioned Tables I and II.

Beginning with the issue for 1928, the Annual Summary is published in seven parts as detailed below :—

Introduction; Table of contents and List of publications issued by the Department.

A.—Summary of Weather and rainfall, including—

(i) Chief Features of Rainfall and of the most important storms. It also contains references about any features of temperature, pressure, etc., which happen to be outstanding during the year.

(ii) General Remarks on the Weather of the year in a narrative form which have hitherto appeared under the headings General Remarks, Pressure, Temperature, Humidity, Cloud and Rainfall. They are followed by the usual tables of Pressure, Temperature, Humidity, Cloud and Rainfall for the chief divisions of India.

(iii) Three plates showing the monthly and seasonal distribution of rainfall and monthly departures of pressure.

B.—Snowfall.

C.—Storms and depressions. This describes all storms and depressions and contains articles on Western disturbances, local storms, and storm track charts.

D.—Annual Tables D_1 D_2 D_3 D_4 D_5 and D_6 corresponding to tables A, B, C and D of the Annual Summary up to 1927 containing the yearly data for each station and the monthly data of non-telegraphing stations. The additional climatic tables for Kodaikanal, Madras, Lahore, Bombay and Trivandrum are given in the appendix.

E.—Seismic Records at Bombay, Kodaikanal, and Calcutta.

F.—Errata sheets for the Monthly Weather Reports.

The articles and tables on solar and magnetic activity are omitted, but will appear in the Kodaikanal and Bombay publications. The tables of pilot balloon and sounding balloon data and of cloud direction frequencies have been excluded from this publication and are being published separately in monthly and annual volumes of "Upper Air data." The accounts of storms and of rainfall distribution that appear in the Annual Summary are based on much fuller information than was available at the time of publication of the Monthly Weather Reports. The rainfall summary is based on the data of about 3,000 stations, and tables A-7 to A-12 are, therefore, more accurate than the tables I and II of each Monthly Weather Report.

Notes on conditions of exposure of instruments, on methods of reduction and on form of presentation of data.

The following notes concerning the methods of observation in India and of reduction and grouping of results will probably be of some help to users of this volume.

Territorial divisions.

The system of territorial divisions, which has remained unchanged since 1st April 1912, is as follows :—

Chief political divisions.	Sub-divisions.
	Bay Islands.
Burma	Lower Burma.
	Upper Burma.
Assam	Assam.
Bengal	Bengal.
Bihar and Orissa	Orissa.
	Chota-Nagpur.
	Bihar.
United Provinces	United Provinces, East.
	United Provinces, West.
Punjab	Punjab, East and North.
	Punjab, Southwest.
	Kashmir.
North-West Frontier Province	North-West Frontier Province.
	Baluchistan.
Sind	Sind.
Rajputana	Rajputana, West.
	Rajputana, East.
Bombay	Gujarat.
	Konkan.
	Bombay Deccan.
Central India	Central India, West.
	Central India, East.
Central Provinces	Berar.
	Central Provinces, West.
	Central Provinces, East.
Hyderabad	Hyderabad, North.
	Hyderabad, South.
Mysore	Mysore.
Madras	Malabar.
	Madras, Southeast.
	Madras Deccan.
	Madras Coast, North.

Barometric pressure.

Mercurial barometers on Fortin's principle with tubes of 0′4″ bore throughout have always been in use at most of the observing stations in India; but of late years the department has introduced an increasing number of Kew pattern barometers.

Aneroid barometers were in use at Ispahan, Tehran and Kashgar.

At Calcutta, Bombay and Trivandrum the standards are Newman instruments, with adjustable scales and fiducial points, and tubes of large bore.

All instruments are compared at Calcutta before issue and their corrections determined to the Calcutta standard, which was, until 1910, about ·011″ higher than the Kew standard. The present difference is probably less than this, but the determination of the exact amount is a matter of difficulty (*see* the Departmental Memoirs, Vol. XXI, pp. 127-8, 1916).

The barometers are in all cases situated in masonry buildings to protect them as much as possible from rapid changes of temperature.

The heights above mean sea level of the barometers are given in Tables D-1, D-2, D-3 and D-4 in part D. Those heights, which have been obtained accurately by actual measurement from datum levels determined by the Great Trigonometrical Survey of India, are given in ordinary type; the heights of a few stations have been determined barometrically and are printed in italics.

All readings are reduced to 32° F and, from 1st January 1905, have been corrected to standard gravity.

Temperature.

There are now two standard methods of exposing thermometers in India. The old method lay in the use of large open-sided sheds to protect the instruments from extraneous radiation. A detailed description of the shed and of the methods of exposure will be found in the Instructions to Observers of the India Meteorological Department and in the Annual Report on the Meteorology of India for the year 1887, page 37. The cost of the sheds and of their upkeep rose greatly after the war, and it became necessary to consider other devices for efficiently shading thermometers. Experiments with other types of shed and with various louvred Stevenson screens were carried out at Agra and described in Vol. XXIV, Part III, of the Memoirs of this department. As a result it was decided to replace all sheds in India by Stevenson screens, as opportunity offered. The pattern of screen adopted for use in India has free inside measurements of about 22″ length, 14″ depth and 17″ height, and is somewhat larger than the pattern approved in 1884 by the Thermometer Screen Committee of the English Meteorological Society, and larger too than the "small model" in common use in Germany. It is made of teak wood painted white and has four double louvred sides and a perforated top and bottom. A sloping extra cover of wood protects the top from sun and rain. The door on the north side has 14 louvres and the remaining sides have 16 louvres each.

A beginning was made with this policy in the year 1923 and by the end of the year 1929 sheds were replaced by Stevenson screens at 178 stations. All thermometers in use have been verified by comparison with Kew standard thermometers at Calcutta and are restandardised from time to time; all thermometer readings are corrected to their true values.

Terrestrial Radiation.

Observations of terrestrial radiation thermometers, which are, as a rule, not very reliable, were recorded during the year 1929 at Calcutta, Lahore and Srinagar and the results are given in Table D-1. The normals used are based on nearly 50 years' data, except at Srinagar where the records extended over nearly 30 years.

Surface winds.

All anemometers used in India are compared before issue with the standard Beckley anemograph at the Alipore Observatory, Calcutta, but as only the instruments with small corrections are issued and as it is impracticable to prevent slight alterations in exposure resulting from growth of trees or erection of buildings, it has been considered unnecessary to apply any correction to the observed values.

Up to 1911 the factor representing the ratio of air movement to travel of Beckley cups had in India, as in other countries, been taken at 3·0; but from that year the generally accepted factor of 2·2 has been used (*see* note on page 8, Monthly Weather Review, January 1912). The wind data published consist of observations of the direction of the wind at 8 hrs. and of the mean hourly air movement as registered by Robinson anemometers during the 24 hours ending at 8 hrs. For stations in Tables D-1 and D-2 the wind data include for each month and year the frequency of the wind direction from 8 compass points at both the hours of observation. The resultant direction is calculated in all cases by the use of Lambert's formula in which equal values are given to each wind observation irrespective of velocity.

Humidity and cloud.

The hygrometric data are calculated by means of the departmental "Tables for the reduction of meteorological observations in India." The proportion of cloud is estimated in tenths of the sky expanse, an overcast sky being denoted by 10 and a cloudless sky by 0.

Rainfall.

Symons's raingauges are now used at all raingauge stations, with the exception of those in Mysore and Travancore. The time of measuring rainfall is 8 hrs., local time, throughout India, and the amounts then registered give the rainfall of the previous 24 hours.

The rainfall data for each province are generally tabulated in the office of the Director of Land Records, or other officer in the province, and published in the provincial gazettes. The data of Baluchistan, Kashmir, Rajputana, the North-West Frontier Province and Central India are, however, published by the Poona Meteorological Office. These provincial tables are collected together and are issued annually in a separate volume entitled "Rainfall of India". The thirty-ninth volume, that of 1929, contains the whole rainfall data of about 3,000 stations which are utilised in preparing tables A 7 to A 12 on pages A 12 to A 22. In these provincial tables and in the rainfall observations at the meteorological observatories published in this volume a "rainy day" is taken to be one on which 0·10 inch or more of rain is recorded.

Tables.

Table D-1 contains the monthly and annual means of 10 hrs. and 16 hrs. observations recorded at 13 stations. In columns 17, 25, 27 and 32 these means are reduced to the "true" mean of the day by the application of corrections, given in Vol. XVII of the Memoirs of the Indian Meteorological Department and determined from hourly observation data given in Vols. V, IX and X of these memoirs. The data at once furnish the necessary corrections for the stations at which these observations were recorded; at the remaining stations, the corrections were determined from the values at the nearest stations with similar conditions of exposure, etc., at which the hourly observations were recorded. The departures from normal are based upon normal values derived from all available data down to 1899 as published in the Indian Meteorological Memoirs, Vol. XVII. In finding the monthly means of maximum and minimum temperatures in this table, a day is reckoned from midnight to midnight; in all other tables it is reckoned from 8 A.M. to 8 A.M. Thus the month will end at midnight ending on the last day of the month in the former case and at 8 A.M. of the last civil day of the month in the latter. The small differences between the monthly means for the same stations in this table and in the other tables are due to this cause. Table D-2 contains the monthly and annual means of 4 hrs. and 14 hrs. (G. M. T.) observations recorded at 11 stations in Persia and the adjoining areas.

Table III of the Monthly Weather Reports and Table D-3 in part D give for each month of the year the means of 8 hrs. observations recorded at 208 stations in India and the neighbouring countries, and Table D-4 gives data of forenoon or afternoon observations recorded at 5 stations in Persia, etc., Table D-5 gives similar data from observations recorded at 18 fourth class observatories. The departures from the normal given in these tables are based upon the normal values determined from all available data down to 1920. Table D-6 gives monthly and annual rainfall at 29 fifth class stations.

PUBLICATIONS OF THE INDIAN METEOROLOGICAL DEPARTMENT.

(Complete list, including those publications which are now out of print.)

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Ditto ditto, ditto, Part II. (1877) Rs. 5*	Ditto.
Instructions to Observers of the Indian Meteorological Department, 2nd Edition. (1902) . . . . . Rs. 3*	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Rs. 2*	Henry F. Blanford.
Ditto ditto, ditto, (1910) Rs. 2*	George C. Simpson.
Ditto ditto, ditto, (1925) Rs. 5-8	Departmental.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I.—Text. (1900) . Rs. 4*	Sir John Eliot.
Ditto ditto, ditto, Vol. II.—Plates, (1901) . . Rs. 1-8*	Ditto.
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Part III. Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) Rs. 5	Ditto.
Part IV. An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Rs. 3	W. L. Dallas.
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MONTHLY WEATHER REPORT

FOR

January 1929

Supplement to the Indian Daily Weather Report for the 18th February 1929

Published by order of the Governor-General in Council

Summary.—The western disturbances of the month, despite their frequent visits, failed to give the usual rainfall in northwest India; their activity was more marked in the central parts of the country and northeast India and in the latter region rainfall was in large excess. The most remarkable feature was the passage of a cold wave of unusual severity across northwest India towards the close of the month. A temporary revival of the northeast monsoon occurred in the south of the Peninsula under the influence of a Bay storm which crossed the coast near Madras on the 7th.

Weather was practically dry over the country during the first five days. A depression, which formed in the Bay of Bengal on the 3rd about 150 miles west-southwest of Port Blair, developed into a storm by the next day and was centred near Lat. 12° N, Long. 89° E. on the morning of the 5th. The storm moved in a west-northwesterly direction, and rapidly dissipated after crossing the coast near Madras on the 7th noon. It caused squally weather along the coast between Vizagapatam and Cuddalore and fairly widespread rain in the south of the Peninsula between the 6th and 8th, after which weather remained dry in the Peninsula except for a few sporadic falls in the extreme south.

Of the six western disturbances that entered northwest India during the month, the first two were feeble and unproductive of any appreciable rain or snow. The third induced local rain in the west Central Provinces on the 9th and snow in Kashmir and the North-West Frontier Province during the 11th and 12th. The fourth disturbance from the west appeared as a depression over the Punjab on the 14th morning and lay as a trough of low pressure area over the Gangetic plain during the next two days. It later intensified into a depression over the east Central Provinces and Orissa and filled up by the 18th. The disturbance caused widespread rain in the extreme north on the 13th and over the belt of the country extending from the east Punjab to north Burma between the 15th and 17th. Some heavy falls were recorded during this period, the principal amounts being Bogra 3″ and Mymensingh 2″ on the 16th and Cherrapunji 3″ on the 16th and 17th. Weather remained unsettled in northeast India between the 18th and 22nd during which thundershowers were frequent in Assam, Bengal and Chota Nagpur.

The fifth and the most active disturbance of the month affected the frontier on the 23rd and intensified into a depression over Baluchistan on the 25th. It moved to the Central Provinces on the 27th and weakened thereafter. The disturbance induced a spell of remarkably wet weather over most of northern and central India between the 23rd and 29th and caused some heavy falls of snow along the western Himalayas on the 25th, viz. Mussooree and Chakrata 3″ each and Dras, Dalhousie and Mukteswar 2″ each. The last western disturbance, which affected the extreme north on the 30th, appeared as a depression over the east Central Provinces on the 31st where it filled up the next day. It caused widespread rain from the western Himalayas to Orissa and the north Madras coast between the 29th and 31st. Following these disturbances, an intense cold wave advanced eastwards through the frontier and had overrun the whole of northwest India by the end of the month, the cold front extending from the United Provinces to the Bombay Deccan on the last day, when snow was reported from the plains of the north Punjab and several stations in northwest India recorded minimum temperatures below the freezing point.

The total rainfall of the month was more than 100 per cent in excess in Assam, Bengal, Chota Nagpur, Bihar, the United Provinces East, the Konkan and Malabar and between 55 and 79 per cent in excess in the Bay Islands, Gujarat, Central India East and the Central Provinces West. It was in slight to moderate excess in the United Provinces West, Central India West and the Madras Deccan and nearly normal in Orissa, the Central Provinces East and Mysore.

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The month's rainfall was in slight to moderate defect in Burma, the Punjab, Kashmir, Sind, Hyderabad South and the Madras Coast North and in large defect elsewhere. Averaged over the plains of India rainfall was in excess by 38 per cent.

Both maximum and minimum temperatures were low over most of northwest and central India including the west United Provinces during the first three days. Minimum temperature continued to be below normal in east Rajputana, the west United Provinces and the central parts of the country till the 8th, and was higher than usual in the last mentioned area and the Deccan between the 9th and 11th. Warm weather prevailed over northwest and central India and the interior of the Peninsula between the 11th and 16th and in northeast India during the next six days. Over the Gangetic plain, nights were warmer, while days were cooler than usual, during the period 26th to 28th. With the eastward passage of the fifth western disturbance of the month temperature began to fall rapidly along the frontier on the 24th and the cold wave, which was of a very severe type, overtook the whole of northwest India on the 26th and extended to Central India on the next day and to the United Provinces and the north of the Peninsula by the end of the month. Mean temperature was below normal by 20° to 25° in Baluchistan during the last three days and by 15° to 20° in the rest of northwest India on the 30th and 31st. On the mean of the month, maximum temperature was above normal in Lower Burma, Hyderabad South and Mysore and lower than usual in the North-West Frontier Province and Central India West; the minimum was higher than usual in lower Burma, Bengal, Orissa, Chota Nagpur, Mysore, the Madras Deccan and the north Madras coast and lower in the North-West Frontier Province, Baluchistan, Rajputana East, Gujarat and Central India West.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in large excess in the Bay Islands and in slight to moderate defect in Burma. Skies were more clouded than usual in Burma and less clouded in the Bay Islands. Both maximum and minimum temperatures were above normal in lower Burma.

Northeast India, including Orissa.—Rainfall was nearly normal in Orissa and in large excess in the other sub-divisions. Cloud proportion was above normal in all the sub-divisions. Humidity was in excess in Chota Nagpur. Minimum temperature was higher than usual in Bengal, Orissa and Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The total rainfall of the month was in large excess in the United Provinces East, Central India East and the Central Provinces West, in slight to moderate excess in the United Provinces West and Central India West and nearly normal in the Central Provinces East, weather being wholly dry in Berar. Cloud amount was in excess in the United Provinces East, Central India East, Berar and the Central Provinces East. Humidity was in excess in the Central Provinces East. Both maximum and minimum temperatures were below normal in Central India West.

Northwest India.—Rainfall was in large excess in Gujarat, in slight defect in Kashmir and in moderate to large defect elsewhere. Skies were more clouded than usual in Gujarat and less clouded in the North-West Frontier Province and Rajputana West. Humidity was in excess in Kashmir and in defect in Sind and the Punjab Southwest. Both maximum and minimum temperatures were below normal in the North-West Frontier Province and the minimum alone in Baluchistan, Rajputana East and Gujarat.

The Peninsula.—The month's rainfall was in large excess in the Konkan and Malabar and in slight excess in the Madras Deccan; it was nearly normal in Mysore and in moderate to large defect elsewhere. Cloud proportion was in excess in the Bombay Deccan, Hyderabad, the Madras Deccan and the Madras Coast North and below normal in the Konkan. Humidity was in defect in the Madras Deccan. Maximum temperature was above normal in Mysore and Hyderabad South and the minimum in the Madras Deccan, Mysore and the Madras Coast North.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:

The 8th February 1929.

C. W. B. NORMAND,

Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	0·15	0·22	−0·07	− 32	+2·0	+1·6	− 2	+0·9
Assam ...	2·70	0·78	+1·92	+246	−1·5	+0·8	− 1	+1·7
Bengal ...	1·62	0·31	+1·31	+423	+0·6	+2·0	+ 1	+2·4
Bihar and Orissa ...	1·65	0·53	+1·12	+211	−0·4	+1·7	0	+2·0
United Provinces ...	1·69	0·94	+0·75	+ 80	0	+0·1	0	+0·7
Punjab ...	0·69	1·16	−0·47	− 41	−0·7	−0·9	0	−0·5
North-West Frontier Province.	0·42	1·03	−0·61	− 59	−2·5	−2·0	+ 1	−1·3
Sind ...	0·18	0·33	−0·15	− 45	−0·6	−1·7	− 7	0
Rajputana ...	0·07	0·28	−0·21	− 75	−0·8	−2·2	− 1	−0·1
Bombay ...	0·11	0·10	+0·01	+ 10	−0·7	−1·5	− 2	+0·2
Central India ...	0·79	0·50	+0·29	+ 58	−0·6	−0·8	+ 2	+0·6
Central Provinces ...	0·56	0·48	+0·08	+ 17	+0·3	+0·3	+ 3	+0·7
Hyderabad ...	0·08	0·25	−0·17	− 68	+1·8	+1·2	− 1	+0·7
Mysore ...	0·23	0·22	+0·01	+ 5	+2·2	+2·0	− 1	+0·1
Madras ...	0·56	0·73	−0·17	− 23	+0·2	+1·6	0	+0·5
Mean of India ...	0·69	0·50	+0·19	+ 38	+0·1	+0·2	0	+0·6

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	2·92	1·63	+ 1·29	+ 79	−0·5	+0·6	− 3	−1·1
2. Lower Burma ...	0·15	0·25	− 0·10	− 40	+2·5	+2·0	− 2	+0·9
3. Upper Burma ...	0·15	0·19	− 0·04	− 21	+1·3	+1·2	− 2	+0·8
4. Assam ...	2·70	0·78	+ 1·92	+246	−1·5	+0·8	− 1	+1·7
5. Bengal ...	1·62	0·31	+ 1·31	+423	+0·6	+2·0	+ 1	+2·4
6. Orissa ...	0·38	0·41	− 0·03	− 7	+0·8	+2·0	− 2	+1·3
7. Chota Nagpur ...	2·61	0·72	+ 1·89	+263	−1·6	+2·1	+ 6	+3·5
8. Bihar ...	2·08	0·51	+ 1·57	+308	−0·7	+1·4	− 1	+1·9
9. United Provinces, East ...	1·94	0·72	+ 1·22	+169	−0·2	+0·8	0	+1·0
10. Do. do. West ...	1·48	1·14	+ 0·34	+ 30	+0·2	−0·8	0	+0·1
11. Punjab, East and North ...	0·92	1·52	− 0·60	− 39	−0·1	−0·6	+ 3	−0·5
12. Do. Southwest ...	0·30	0·53	− 0·23	− 43	−1·1	−1·5	− 5	−0·4
13. Kashmir ...	2·59	2·90	− 0·31	− 11	−0·9	+1·5	+11	+0·8
14. North-West Frontier Province ...	0·42	1·03	− 0·61	− 59	−2·5	−2·0	+ 1	−1·3
15. Baluchistan ...	0·61	1·23	− 0·62	− 50	−1·1	−2·1	...	−0·6
16. Sind ...	0·18	0·33	− 0·15	− 45	−0·6	−1·7	− 7	0
17. Rajputana, West ...	0·05	0·24	− 0·19	− 79	−0·5	−1·9	− 1	−0·9
18. Do. East ...	0·09	0·30	− 0·21	− 70	−1·0	−2·4	− 1	+0·4
19. Gujarat ...	0·14	0·08	+ 0·06	+ 75	−1·8	−2·5	− 2	+0·1
20. Central India, West ...	0·31	0·25	+ 0·06	+ 24	−2·2	−2·5	0	+0·3
21. Do. do. East ...	1·25	0·75	+ 0·50	+ 67	+1·1	+0·8	+ 3	+0·9
22. Berar ...	0	0·39	− 0·39	−100	+0·3	+0·8	+ 1	+0·6
23. Central Provinces, West ...	0·79	0·51	+ 0·28	+ 55	−0·3	−0·1	+ 2	+0·2
24. Do. do. East ...	0·48	0·47	+ 0·01	+ 2	+1·2	+1·0	+ 5	+1·4
25. Konkan ...	0·16	0·07	+ 0·09	+129	−0·1	−0·2	− 1	−0·5
26. Bombay Deccan ...	0·06	0·14	− 0·08	− 57	+0·5	−0·8	− 2	+0·3
27. Hyderabad, North ...	0	0·30	− 0·30	−100	+0·5	+1·5	− 1	+0·6
28. Do. South ...	0·14	0·21	− 0·07	− 33	+2·4	+1·1	− 1	+0·7
29. Mysore ...	0·23	0·22	+ 0·01	+ 5	+2·2	+2·0	− 1	+0·1
30. Malabar ...	1·15	0·47	+ 0·68	+145	−0·6	+0·8	+ 2	−0·1
31. Madras, Southeast ...	0·53	1·16	− 0·63	− 54	+0·2	+1·2	− 1	+0·3
32. Do. Deccan ...	0·27	0·24	+ 0·03	+ 13	+1·0	+2·5	− 6	+0·6
33. Do. Coast North ...	0·36	0·51	− 0·15	− 29	+0·4	+2·2	+ 3	+0·9

STATION.	PRESSURE. At 8 h., reduced to 32 and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·850	-·021	N 38 E	7·2	75·6	74·3	85·6	-3·5	88·0	76·2	+0·6	65·7	77	-3	·9	2·92	+1·29	4	+2·0	1·44
LOWER BURMA																				
Victoria Point ...	29·755	-·027	N 45 E	5·5	77·1	72·8	86·9	+0·6	90·6	73·6	+0·9	70·2	79	+3	3·5	0·08	-0·21	0	-0·8	0·08
Mergui ...	29·863	-·013	...	...	73·1	71·2	88·1	+0·2	90·1	68·5	+0·7	65·0	89	+7	2·8	0·83	-0·07	2	+0·6	0·56
Tavoy ...	29·792	-·016	Calm	·7	77·7	69·0	92·2	+2·9	95·3	65·1	+0·2	55·4	86	1	1·7	0·03	-0·17	0	-0·4	0·03
Amherst ...	29·871	...	S 87 E	3·9	74·5	69·6	88·9	...	93·3	73·4	...	65·1	77	...	2·5	0·02	...	0	...	0·02
Rangoon ...	29·929	-·022	N 21 E	2·1	71·9	66·8	92·4	+3·8	95·3	68·6	+3·7	63·0	76	-6	4·0	0	-0·21	0	-0·3	0
Bassein ...	29·855	-·013	N 75 E	2·4	72·3	67·1	89·6	+3·8	92·6	65·3	+2·4	61·5	76	-11	3·7	0	-0·12	0	-0·1	0
Diamond Island ...	29·885	-·037	N 31 E	6·3	77·8	72·6	85·8	+2·2	90·2	74·8	+3·3	72·0	78	+1	2·6	0·29	+0·11	1	+0·7	0·22
Toungoo ...	29·752	-·025	...	...	68·3	63·3	88·7	+4·3	92·8	69·9	+3·2	53·8	71	-15	2·0	0	-0·20	0	-0·3	0
Kyaukpyu ...	29·935	-·035	N 47 E	2·1	72·5	70·6	81·4	+2·5	84·1	65·8	+2·5	57·7	90	+5	5·6	0·15	+0·10	1	+0·7	0·15
Akyab ...	29·944	-·025	N 19 E	5·0	66·2	63·2	83·3	+2·5	88·0	60·3	+1·0	51·5	84	-1	3·4	0	-0·06	0	-0·1	0
UPPER BURMA																				
Minbu ...	29·848	-·029	N 38 W	2·5	66·8	62·5	84·7	+0·6	93·1	60·0	+2·3	53·0	68	-6	1·9	0	-0·04	0	-0·1	0
Yamethin ...	29·313	-·015	...	...	64·5	59·6	86·8	+1·6	93·3	57·3	+1·1	51·2	73	-7	1·9	0	-0·10	0	-0·2	0
Mandalay ...	29·737	-·012	N 51 W	1·0	62·1	59·5	86·7	+2·2	91·6	58·5	+1·3	51·7	85	+3	1·5	0	-0·05	0	-0·1	0
Monywa ...	29·721	-·028	N 15 W	2·1	62·9	60·1	84·2	+1·9	87·9	57·1	+0·2	53·0	81	-1	2·5	0	0	0	0	0
Lashio ...	27·161	-·006	N	1·1	54·0	52·2	75·2	+1·5	77·5	47·5	+1·4	38·7	89	-3	2·7	0	-0·27	0	-0·6	0
Bhamo ...	29·611	+·030	N 12 E	1·2	54·7	54·0	76·3	+0·4	81·7	48·1	-0·1	42·8	95	-1	9·4	0·10	-0·39	1	-0·2	0·10
Myitkyina ...	29·530	-·022	N 45 E	1·1	56·1	54·2	75·5	+1·0	81·0	51·6	+1·8	45·0	88	2	5·6	0·93	+0·52	2	+0·9	0·44
ASSAM																				
Dibrugarh ...	29·682	-·018	S 60 E	0·5	56·5	53·1 (c)	73·1	-0·9	76·1	50·6	+0·7	44·1	93 (f)	-3	5·4	4·84	+3·39	9	+5·6	1·31
Sibsagar ...	29·707	-·012	N 45 E	0·5	53·5	53·0	69·9	-0·1	76·5	50·1	+0·4	43·5	97	-1	9·6	2·23	+1·04	4	+0·4	1·09
Tezpur ...	29·788	-·001	N 49 E	0·4	55·0	53·7	72·6	-1·0	76·7	51·9	-0·5	46·3	91	-2	5·5	1·72	+1·19	4	+2·6	0·74
Gauhati ...	29·850	-·014	N 39 E	1·1	55·3	54·6	73·8	-2·8	75·7	51·0	+0·3	44·8	95	0	7·3	2·69	+2·38	7	+6·1	0·64
Dhubri ...	29·912	-·006	S 81 E	1·9	58·1	56·5	71·4	-2·1	75·6	54·5	+1·4	50·2	88	-2	2·9	2·07	+1·77	3	+2·3	0·92
Silchar ...	29·917	-·019	N 83 E	1·6	57·9	56·9	76·9	-1·9	82·7	54·8	+2·3	49·5	94	+1	5·4	2·57	+1·76	5	+3·4	1·02
BENGAL																				
Cox's Bazar ...	29·937	-·031	N 45 E	0·5	65·2	61·6	80·3	+0·7	84·3	58·3	+1·8	52·8	81	-6	1·4	0	-0·06	0	-0·2	0
Chittagong ...	29·901	-·023	N 54 E	3·9	61·4	58·6	80·8	+2·4	87·4	56·3	+1·1	50·1	84	-4	5·2	0	-0·28	0	-0·5	0
Narayanganj ...	29·975	-·019	N 7 W	0·9	61·1	59·2	78·4	+0·8	83·0	57·7	+2·2	52·1	85	+3	4·9	1·62	+1·32	4	+3·1	0·61
Barisal ...	29·981	-·016	N 7 W	0·9	63·8	61·0	79·6	+2·0	85·6	58·7	+5·7	51·1	85	-1	3·2	0·58	+0·17	1	+0·3	0·49
Jessore ...	29·987	-·013	N 63 E	1·1	61·0	58·8	79·4	+2·2	84·2	54·7	+1·5	45·6	87	+3	4·5	2·27	+1·91	3	+2·1	1·24
Calcutta ...	29·981	-·027	N 7 E	2·4	62·3	59·7	79·1	+1·9	84·9	59·3	+3·7	50·0	84	-1	4·6	1·17	+0·53	2	+1·3	0·92
Saugor Island ...	29·976	-·038	N 56 E	5·7	66·2	63·9	77·0	0	80·7	63·2	+1·4	50·1	87	-3	4·4	2·33	+2·03	3	+2·1	0·98
Burdwan ...	29·907	-·028	N 21 W	1·7	59·7	56·9	78·8	+0·1	85·2	56·1	+1·1	49·6	83	+7	5·3	1·86	+1·50	2	+1·2	1·05
Berhampore ...	29·962	-·008	N 11 W	1·4	60·8	57·7	77·8	+1·4	82·1	54·3	+0·6	47·2	82	-4	4·3	0·41	+0·06	2	+1·1	0·17
Mymensingh ...	29·947	-·016	N 82 E	1·3	58·3	57·4	75·3	-0·5	79·6	55·6	+1·[illegible]	49·8	94	+5	6·3	2·92	+2·59	3	+2·1	1·79
Bogra ...	29·950	-·005	N 2 E	1·2	59·0	57·5	74·8	-0·9	76·5	55·2	+2·9	49·1	91	+6	4·8	3·48	+3·10	4	+3·1	2·96
Dinajpur ...	29·883	-·018	N 13 E	1·1	56·4	54·7	72·8	-2·7	75·7	53·2	+3·8	48·0	89	0	4·8	2·61	+3·29	4	+3·2	1·10
Jalpaiguri ...	29·728	-·023	N 63 E	0·6	54·3	52·2	74·2	+0·6	79·1	51·1	-0·1	46·6	93	+2	3·9	1·75	+1·45	3	+2·3	1·10
ORISSA																				
Balasore ...	29·950	-·018	N 18 W	2·4	65·9	60·9	80·4	-0·5	86·5	59·0	+2·9	48·9	73	-7	5·3	0·59	+0·08	1	0	0·55
Hukitala (False Point)	29·969	-·028	S 3 E	5·0	...	...	...	...	...	...	...	...	...	...	0·2	0·17	-0·27	1	+0·3	0·17
Cuttack ...	29·915	-·034	N 63 E	0·9	64·8	62·0	85·0	+1·7	90·4	61·3	+1·2	52·4	84	+3	4·3	0·05	-0·22	0	-0·6	0·03
Sambalpur ...	29·503	-·037	N 39 E	1·7	66·0	60·9	82·9	+1·2	88·0	57·0	+1·9	44·9	73	-1	4·3	0·72	+0·31	2	+1·2	0·37
CHOTA NAGPUR																				
Chaibassa ...	29·246	-·025	S 4 W	1·6	59·3	57·5	77·6	-1·5	85·9	55·2	+3·2	43·8	88	+6	6·3	1·57	+0·93	5	+3·7	0·51
Ranchi ...	27·892	-·013	N 61 W	(c) 2·5	(b) 57·8	(b) 52·8	(b) 72·1	-1·7	79·5	(b) 52·5	+1·0	44·8	(b) 71	+6	5·1	4·24	+3·45	6	+4·5	2·01
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·03	+1·31	5	+3·4	0·80

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (f) Mean of 26 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·897	−·017	S 73 W	1·4	55·3	53·6	73·3	−1·2	77·2	(b) 50·5	+2·4	43·0	89	−2	3·4	2·29	+1·99	4	+3·3	1·32
Darbhanga ...	29·850	−·019	N 72 E	2·0	57·7	54·6	72·7	−0·4	79·2	50·2	−0·5	43·8	89	−7	3·6	0·74	+0·28	3	[illegible]	0·32
Patna ...	29·835	−·018	S 37 W	2·4	56·4	53·1	72·7	0	76·9	52·9	+2·0	46·4	79	+2	4·2	2·71	+2·21	4	+2·9	1·16
Gaya ...	29·631	−·032	S 30 E	0·9	58·9	54·4	74·6	−0·9	81·9	53·6	+2·0	45·4	73	−1	3·4	3·15	+2·52	4	+2·7	2·25
Naya Dumka ...	29·503	−·027	N 5 E	1·9	57·4	54·1	74·9	−0·9	79·8	52·2	+1·1	43·4	79	+5	4·5	1·50	+0·97	2	+0·9	1·15
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·762	−·003	N 79 E	1·1	53·5	51·1	73·1	+0·3	77·4	48·4	−0·3	42·0	84	−1	2·0	1·16	+0·49	3	+1·7	0·79
Benares ...	29·757	−·030	S 58 W	3·5	53·7	51·6	71·6	−2·7	79·1	49·8	+1·9	42·1	85	+2	4·1	3·18	+2·51	5	+3·5	1·80
Allahabad ...	29·689	−·039	S 73 W	3·7	53·8	50·9	73·6	−0·8	82·8	49·6	+1·6	42·1	86	+2	5·0	3·13	+2·37	4	+2·1	1·36
Cawnpore ...	29·579	−·034	N 23 W	1·7	53·6	49·9	75·9	+1·2	84·8	48·1	+0·9	41·5	75	−4	2·3	1·78	+1·27	2	+·05	1·44
Lucknow ...	29·616	−·047	N 75 W	1·0	52·0	49·3	73·9	+0·2	79·8	48·1	+1·1	41·5	81	+2	3·1	1·57	+0·80	3	+1·5	1·10
Bahraich ...	29·578	−·030	S 85 E	2·2	56·6	48·4	73·0	+0·5	77·6	46·9	−0·5	40·1	84	−1	2·2	0·85	−0·07	2	+0·1	0·66
UNITED PROVINCES, WEST																				
Jhansi ...	29·161	−·016	S 71 W	2·2	56·7	50·4	75·1	−0·7	85·8	48·4	−2·5	41·0	62	−3	2·3	1·03	+0·11	1	−0·3	0·85
Agra ...	29·438	−·046	N 66 W	3·2	49·8	(b) 46·8	72·3	−1·9	81·8	41·2	+0·4	33·5	(b) 75	−1	3·5	0·02	−0·52	0	−1·3	0·02
Mainpuri ...	29·481	−·028	N 47 W	1·5	50·4	47·1	72·7	+1·3	82·1	44·8	−1·6	37·4	75	−2	2·9	1·99	+1·36	3	+1·5	1·24
Bareilly ...	29·423	−·018	N 21 W	1·4	49·1	47·2	72·4	+2·1	78·1	46·5	+0·3	40·3	85	+1	3·3	2·17	+1·46	2	−0·2	2·24
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·20	−0·38	5	+2·6	0·56
Roorkee ...	29·075	−·024	N 34 W	2·1	46·5	45·1	68·8	0	77·9	43·3	−0·6	36·7	90	+4	3·2	1·31	−0·35	2	−0·9	0·64
Dehra Dun (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·31	+0·04	5	+1·2	1·38
PUNJAB, EAST AND NORTH																				
Delhi ...	29·268	−·032	N 62 W	2·1	51·8	(b) 47·5	68·3	−1·7	77·2	49·4	+1·5	36·5	(b) 67	−2	3·5	0·18	−0·86	1	−1·1	0·10
Hissar ...	29·250	−·058	S 37 W	3·0	45·0	(b) 42·6	70·3	−0·1	82·7	41·4	−1·3	24·8	(b) 76	+1	1·3	0·93	+0·22	3	+1·3	0·42
Ambala ...	29·079	−·028	N 20 E	2·9	47·2	(b) 45·5	69·3	+0·6	76·3	44·1	+0·5	33·2	(b) 84	−1	3·6	0·99	−0·50	3	−0·1	0·42
Ludhiana ...	29·167	−·031	N 62 W	2·1	46·1	(b) 44·6	68·3	+1·5	76·5	42·9	−1·5	29·0	(b) 85	+3	3·1	0·42	−1·30	1	−1·9	0·24
Lahore ...	29·292	−·027	N 23 W	1·1	43·8	(b) 42·7	66·7	−1·8	73·1	41·0	−0·5	29·0	(b) 89	+1	3·1	0·06	−0·39	0	−2·1	0·03
Sialkot ...	29·169	−·017	N 6 E	1·2	44·4	(b) 43·7	65·6	−0·4	73·7	40·0	−2·7	32·4	(b) 93	10	3·1	0·61	−1·50	2	−1·0	0·37
Rawalpindi ...	28·304	−·022	N 21 E	2·5	40·6	(b) 39·2	61·5	−1·2	68·3	37·3	−0·8	29·7	(b) 86	+1	2·8	3·23	+0·74	5	+1·3	1·45
PUNJAB, SOUTHWEST																				
Khushab (b) ...	29·411	−·022	S 71 E	(c) 2·1	43·9	38·2	67·7	−0·4	76·2	39·1	−2·1	30·6	55	−13	2·5	0·53	−0·24	1	−0·6	0·53
Lyallpur ...	29·405	−·055	S 57 W	1·3	43·5	(b) 40·9	65·8	−3·0	73·2	39·7	+0·3	28·1	(b) 76	−8	3·9	0·32	−0·06	2	+1·3	0·16
Montgomery ...	29·452	−·029	N 46 W	2·0	46·2	(c) 43·7	67·7	−1·1	75·2	40·2	−1·8	27·9	(c) 71	+2	2·5	0·23	−0·33	1	−0·6	0·21
Multan ...	29·611	−·020	N 4 W	1·4	45·5	(e) 42·4	70·0	+0·1	77·5	41·7	−2·3	28·7	(c) 70	−1	2·5	0·13	−0·23	1	−0·2	0·13
Khanpur ...	29·742	...	N 45 W	0·3	44·7	41·1	72·9	...	82·3	(b) 39·1	...	26·1	72	..	2·8	1·50	...	2	...	0·80
KASHMIR																				
Srinagar ...	24·953	−·022	S 2 E	3·4	30·5	...	38·8	1·9	48·3	28·8	+1·7	13·9	...	...	9·4	2·60	−0·16	8	+2·1	0·95
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·54	−2·78	16	+1·8	1·70
Dras ...	20·715	−·060	S 59 W	0·8	0·6	...	17·2	−0·8	38·1	−8·1	+3·3	−31·6	...	...	6·3	4·21	+1·12	13	+4·5	2·02
Leh ...	19·571	−·068	S	0·1	12·4	...	28·4	−1·9	41·5	9·3	+1·1	1·0	...	...	7·9	0·31	−0·05	0	−1·0	0·05
Skardu ...	22·890	−·066	W	0·2	21·7	...	32·9	−0·9	41·7	16·8	+0·9	4·9	...	...	7·8	0·74	−0·18	2	−0·6	0·52
Gilgit ...	25·194	−·084	W	0·5	35·9	(m) 34·5	47·3	+0·9	57·4	32·7	+0·7	25·2	(m) 77	+11	6·5	0·12	−0·15	0	−0·8	0·09
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·903	−·037	N	0·6	41·7	39·1	69·3	−2·9	68·8	38·8	−0·6	33·4	79	+6	2·9	0·67	−0·89	2	−1·0	0·37
Dera Ismail Khan ...	29·462	−·014	N 9 W	1·6	41·6	(c) 37·9	66·5	−2·1	74·8	37·1	−3·4	25·8	(c) 67	−5	2·2	0·17	−0·32	0	−1·4	0·07
BALUCHISTAN																				
Fort Sandeman ...	25·439	−·042	S 45 E	2·4	33·6	...	57·0	−3·5	73·7	29·9	−1·4	15·4	(v) 77	...	2·5	0·14	−0·09	2	0	0·25
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·87	+0·33	1	−0·7	0·37
Quetta ...	24·731	+·069	S 9 E	3·8	28·1	...	51·7	+0·5	69·3	26·8	−1·7	11·2	...	...	3·8	0·79	−1·14	2	−2·7	0·55
Chaman ...	25·730	−·015	S 47 E	4·3	36·5	...	53·4	−0·1	71·6	34·3	−0·7	12·0	(s) 56	...	4·3	0·51	−1·06	2	−2·1	0·36
Kalat ...	23·724	−·046	S 32 W	3·1	23·7	...	49·4	−1·4	67·0	20·9	−1·9	3·2	...	...	2·0	0·88	−0·33	1	−2·5	0·76
Dalbandin ...	27·221	−·006	N 48 E	2·9	35·3	...	63·9	−0·8	81·9	30·8	−4·7	10·9	(t) 65	...	1·6	0·16	−0·72	1	−0·8	0·16
Mirjawa ...	27·282	...	N 88 W	4·8	36·7	...	63·3	...	81·4	34·4	...	13·4	(r) 54	...	2·5	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (m) Mean of 19 days. (r) Mean of 14 days. (s) Mean of 13 days. (t) Mean of 12 days. (v) Mean of 10 days.

TABLE III, JANUARY 1929

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·896	+·013	N 59 E	0·4	67·5	(b) 49·8	74·8	+0·0	82·4	49·5	−3·2	25·1	(b) 51	−15	1·8	0	−0·26	0	−0·7	0
Hyderabad ...	29·935	−·004	N 30 W	2·4	53·7	(b) 47·5	75·4	+0·8	85·7	49·0	−1·8	30·1	(b) 57	−4	3·0	0·18	+0·28	1	+0·4	0·18
Karachi ...	30·042	−·014	N 27 E	6·0	60·7	53·5	71·5	−1·6	83·5	58·0	−0·1	44·0	58	−3	3·1	0·06	−0·16	0	−1·1	0·06
RAJPUTANA, WEST																				
Bikaner ...	29·238	−·018	S 44 E	3·5	49·7	(c) 45·8	71·8	+0·2	84·7	44·9	−3·1	31·0	(c) 53	−3	2·0	0·09	−0·25	0	−1·0	0·09
Jodhpur ...	29·227	−·016	N 36 E	3·1	53·9	(c) 46·1	76·1	+0·8	84·7	49·9	0·6	30·0	(c) 48	+2	2·1	0	−0·14	0	−0·4	0
RAJPUTANA, EAST																				
Jaipur ...	28·562	−·014	N 26 E	1·7	52·4	(b) 46·4	73·7	+0·8	83·4	46·5	−1·7	30·6	(b) 59	−1	2·2	0	−0·47	0	−1·1	0
Ajmer ...	28·382	−·015	N 28 W	2·4	51·3	(b) 46·2	72·9	+0·1	84·1	43·2	−2·8	27·3	(b) 63	−8	3·1	0·01	−0·35	0	−1·1	0·01
Kotah ...	29·158	−·030	N 73 W	1·1	54·9	49·3	75·4	+1·9	87·6	49·0	−2·8	34·6	63	+5	3·0	0·15	−0·12	1	+0·4	0·15
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·18	+0·07	1	+0·8	0·18
GUJARAT																				
Deesa ...	29·563	+·018	N 59 E	6·0	58·6	(b) 48·9	82·7	+0·8	91·6	47·8	−3·6	33·6	(b) 42	−6	2·9	0·20	+0·09	1	+0·7	0·20
Bhuj ...	29·679	−·011	N 13 E	3·2	58·5	49·9	77·9	+1·8	88·0	(b) 47·9	−5·9	36·5	49	−11	1·0	0·12	+0·04	1	+0·8	0·12
Dwarka ...	29·985	−·014	N 17 E	7·8	63·6	59·0	76·3	+2·0	82·7	58·0	−2·0	42·8	75	+5	1·9	0·49	+0·41	1	+0·8	0·49
Rajkot ...	29·556	−·017	N 22 E	5·7	56·8	(b) 50·1	82·0	+1·6	89·4	49·5	−1·6	31·1	(b) 57	+5	3·5	0·15	+0·11	1	+0·8	0·15
Veraval ...	29·966	+·009	N 27 E	1·9	63·2	53·8	80·8	+0·8	90·3	53·4	−0·4	40·6	59	−4	1·3	0	−0·03	0	−0·1	0
Surat ...	29·966	+·002	N 50 E	1·9	63·2	55·8	84·1	+2·6	91·4	56·8	−0·7	40·3	60	−4	1·9	0·01	−0·13	0	−0·2	0·01
Bhavnagar ...	29·919	−·019	N 50 W	3·2	57·9	49·6	82·5	+1·6	90·2	51·3	−3·5	32·9	51	−3	1·9	0·04	−0·09	0	−0·1	0·04
Ahmadabad ...	29·869	−·001	N 23 E	5·9	61·4	54·9	81·8	+3·0	88·4	55·0	−2·7	41·8	48	+1	1·0	0·08	+0·06	0	−0·1	0·08
CENTRAL INDIA, WEST																				
Neemuch ...	28·348	−·027	N 39 E	3·5	54·3	(b) 48·3	75·5	+2·0	87·7	46·7	−2·1	33·6	(b) 60	+3	2·3	0·63	+0·42	1	+0·6	0·63
Indore ...	28·128	−·033	S 79 E	2·1	57·4	(b) 50·4	77·2	+2·4	85·4	47·3	−2·8	33·9	(b) 57	−3	2·1	0	−0·28	0	−0·5	0
CENTRAL INDIA, EAST																				
Nowgong ...	29·231	−·034	E	0·6	49·4	...	(d) 75·4	+1·1	86·1	45·8	−1·3	36·5	(d) 87	+11	3·6	0·86	+0·23	2	+0·5	0·54
Sutna ...	28·952	−·030	S 29 W	2·2	56·3	51·0	75·8	+1·0	86·7	51·0	+2·9	43·8	68	−4	3·3	1·65	+0·77	3	+1·2	1·15
BERAR																				
Akola ...	29·020	−·048	N 15 W	3·1	62·7	54·2	86·3	+0·5	91·8	55·0	+0·8	44·5	54	+1	2·6	0	−0·35	0	−0·7	0
Amraoti ...	28·736	−·035	N 46 E	1·7	63·3	56·1	84·8	0	90·3	59·4	+0·8	48·5	53	+2	2·3	0	−0·43	0	−0·7	0
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·918	−·030	(b) N 10 E	3·7	58·3	52·2	83·5	−1·0	93·2	50·6	−1·9	38·6	64	+8	0·9	0·35	+0·03	1	+0·5	0·35
Hoshangabad ...	28·981	−·021	N 53 E	2·0	57·3	52·0	79·9	−0·1	86·8	50·5	−1·6	40·6	68	+2	2·2	0	−0·36	0	−0·9	0
Saugor ...	28·137	−·044	S 87 E	3·5	58·2	50·7	75·4	−1·5	83·8	52·1	−0·3	42·4	58	+4	3·2	0·32	−0·27	2	+0·8	0·22
Jubbulpore ...	28·619	−·041	S 43 E	1·1	54·7	51·4	77·3	−0·2	84·7	45·1	+0·5	39·5	79	+5	2·0	2·80	+2·00	2	+0·5	1·50
Seoni ...	27·904	−·049	N 43 E	2·9	60·1	53·6	78·0	−0·9	83·6	52·0	+0·5	41·4	64	+1	2·3	1·26	+0·68	3	+1·8	0·92
Nagpur ...	28·946	−·036	N 50 E	3·2	63·5	54·5	85·3	−1·8	91·5	56·4	+0·5	47·3	52	−8	2·1	0·03	−0·39	0	−0·8	0·03
CENTRAL PROVINCES, EAST																				
Pendra ...	27·910	−·044	N 32 W	2·6	57·0	53·4	75·6	−0·5	84·9	51·6	+0·3	40·9	79	+15	5·1	1·79	+0·94	3	+1·1	0·95
Raipur ...	28·958	−·037	N 7 E	1·0	61·0	55·0	83·4	+2·0	89·5	56·6	+1·1	47·2	67	+2	2·0	0·12	−0·17	0	−0·7	0·07
Kanker ...	28·645	...	S 23 E	2·1	66·6	59·5	81·0	...	89·2	55·1	...	41·8	65	...	2·9	1·19	...	2	...	0·63
Chanda ...	29·325	−·041	S	0·7	64·0	58·2	86·5	+1·1	92·5	55·3	+0·2	43·6	69	−1	1·6	0	−0·25	0	−0·4	0
Jagdalpur ...	28·117	−·063	S 9 W	1·4	61·0	58·6	86·3	+2·3	87·7	54·4	+2·3	45·4	86	+4	1·6	0	−0·17	0	−0·8	0
KONKAN																				
Bombay ...	29·934	−·011	N 53 E	6·3	69·6	63·6	83·8	+0·9	92·4	66·3	−0·4	53·7	70	−3	2·1	0·63	+0·53	1	+0·6	0·63
Ratnagiri ...	29·753	−·013	N 65 E	6·0	73·2	64·0	85·6	+1·6	94·6	66·4	−0·3	60·4	59	−2	0·4	0	−0·10	0	−0·2	0
Marmagao ...	29·872	−·026	N 43 E	0·7	...	...	...	...	...	...	...	...	...	...	2·9	0	−0·02	0	0	0
Karwar ...	29·905	−·008	N 2 W	2·0	67·8	64·8	87·1	+0·5	91·6	65·8	0	58·5	82	+1	0·6	0	−0·05	0	−0·1	0
BOMBAY DECCAN																				
Malegaon ...	28·533	−·018	S 64 W	2·5	58·6	49·7	85·3	−0·7	93·8	49·9	−2·4	34·2	50	−2	2·9	0·01	−0·15	0	−0·3	0·01
Ahmadnagar ...	27·806	−·025	N 54 W	3·3	62·3	52·4	84·1	−0·2	93·3	52·8	0	44·5	48	−7	0·6	0	−0·26	0	−0·4	0
Poona ...	28·113	−·015	E	1·8	59·0	52·5	86·5	+0·4	94·0	52·5	−1·7	45·1	63	+2	1·9	0	−0·06	0	−0·2	0
Sholapur ...	28·377	−·023	S 83 E	3·2	68·4	57·1	87·9	+1·9	94·2	59·7	+0·6	53·4	47	−1	1·6	0	−0·15	0	−0·3	0
Bijapur ...	28·007	−·012	N 11 E	2·4	68·9	58·2	86·5	+0·5	92·9	59·7	−0·4	50·2	52	−10	2·2	0	−0·08	0	−0·1	0
Belgaum ...	27·389	−·017	N 75 E	2·0	63·2	56·6	84·9	+1·4	91·8	56·7	−1·1	51·8	66	+6	1·5	0·31	+0·21	1	+0·8	0·31
HYDERABAD, NORTH																				
Aurangabad ...	28·055	−·038	N 83 E	5·5	64·2	53·4	81·2	−0·5	92·4	56·8	+0·8	47·0	46	−2	3·1	0	−0·33	0	−0·5	0
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·42	0	−0·6	0
Nizamabad ...	28·682	−·041	S 45 W	1·2	66·6	59·4	87·4	+1·6	94·2	59·0	+2·3	48·7	64	0	1·5	0	−0·14	0	−0·4	0

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 23 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·445	−·027	N 67 E	5·3	70·1	59·0	89·5	+2·3	96·0	60·7	+0·9	51·4	59	−8	2·3	0	−0·20	0	−0·3	0
Raichur ...	28·639	−·017	S 44 E	3·7	72·1	65·3	89·0	+2·2	95·0	64·4	−0·1	51·0	69	−5	0·4	0	−0·10	0	−0·2	0
Hyderabad ...	28·234	−·021	S 51 E	2·5	67·3	61·1	88·3	+1·1	94·9	62·0	+2·1	52·2	69	−4	3·2	0	−0·24	0	−0·4	0
Hanamkonda ...	29·081	−·033	S 81 E	4·5	69·9	64·4	86·2	+1·6	92·2	61·0	+1·3	54·4	75	+3	5·8	0·57	+0·25	1	+0·5	0·57
MYSORE																				
Chitaldrug ...	27·543	·013	S 73 E	3·5	68·8	60·1	87·0	+2·6	91·7	61·0	+2·0	56·2	65	−2	1·8	0	−0·27	0	−0·3	0
Bangalore ...	26·960	−·007	N 83 E	5·0	66·2	61·1	83·6	+2·8	88·1	59·6	+2·1	53·8	76	−3	3·8	0·29	+0·03	1	+0·5	0·29
Mysore ...	27·427	−·029	N 80 E	4·3	67·3	61·2	85·2	+1·2	88·0	62·0	+1·8	53·8	73	+1	3·7	0·41	+0·28	2	+1·7	0·24
MALABAR																				
Mangalore ...	29·859	−·010	N 82 E	3·3	76·0	69·6	87·5	+1·7	90·0	70·6	+0·7	61·4	71	+5	2·1	0	−0·08	0	−0·1	0
Calicut ...	29·907	−·001	N 84 E	4·1	76·3	70·6	90·2	+3·0	95·0	71·0	+0·5	64·9	74	−5	3·3	0	−0·40	0	−0·5	0
Cochin ...	29·921	+·002	N 73 E	4·5	74·7	71·9	85·8	−3·6	89·7	72·2	+1·3	64·4	73	+1	1·6	4·39	+3·70	2	+1·1	2·87
Trivandrum ...	29·765	−·008	N 53 E	3·9	76·0	72·4	83·8	−0·2	85·0	72·4	+0·8	69·0	83	−6	1·4	0·22	−0·52	2	+0·5	0·12
MADRAS, SOUTHEAST																				
Palamkottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·09	−1·41	0	−2·3	0·09
Pamban ...	29·895	−·020	N 15 E	6·8	78·1	72·9	83·2	+0·5	85·6	74·9	+0·6	69·4	79	−3	3·6	0·19	−1·21	1	−2·2	0·19
Madura ...	29·481	−·019	N 4 W	2·8	75·1	70·1	88·1	+0·7	91·2	70·5	+1·2	61·2	77	−1	5·9	0·13	−0·17	2	+0·8	0·22
Negapatam ...	29·922	−·007	N 18 E	7·3	76·5	72·6	82·6	+0·1	84·7	73·2	+1·9	68·7	83	+2	5·1	1·91	+0·23	3	+0·6	0·95
Trichinopoly ...	29·704	−·016	N 2 E	2·6	75·6	70·6	87·6	+0·1	91·1	68·6	+0·9	62·9	77	−1	4·0	0·02	−0·66	0	−1·2	0·01
Coimbatore ...	28·596	−·025	N 34 E	1·8	72·5	67·7	86·7	+0·3	90·7	65·8	+1·5	58·3	77	−5	3·8	0·19	−0·40	1	0	0·15
Salem ...	29·041	−·009	N 47 E	4·7	73·2	66·7	89·1	+0·8	93·5	65·6	+1·1	57·4	70	−7	2·8	0	−0·31	0	−0·5	0
Cuddalore ...	29·920	−·009	N 35 W	4·2	74·2	71·6	83·0	−0·1	85·5	70·0	+1·7	65·5	88	+1	5·0	0·06	−1·50	0	−1·9	0·06
Madras ...	29·913	−·031	N 72 W	6·6	73·8	71·6	83·9	−0·6	86·4	68·5	+0·7	63·7	90	+6	3·3	1·87	+0·48	2	+0·3	1·54
MADRAS, DECCAN																				
Cuddapah (b) ...	29·527	−·029	N 60 E	...	74·6	68·2	88·8	+0·4	93·6	67·6	+2·4	53·0	71	−4	2·9	0·81	+0·38	1	+0·4	0·78
Bellary ...	28·459	−·032	S 72 E	2·3	71·2	61·8	88·7	+0·6	94·0	61·5	+2·7	54·0	58	−7	2·5	0	−0·11	0	−0·2	0
Kurnool ...	29·016	−·034	N 18 W	3·0	68·7	64·1	90·5	+2·0	96·1	62·9	+2·4	49·2	63	−8	2·5	0	−0·18	0	−0·4	0
MADRAS COAST NORTH																				
Nellore ...	29·899	−·028	S 69 W	3·0	72·1	70·1	86·9	+0·7	91·3	68·6	+1·5	64·0	90	+3	3·7	1·03	−0·65	1	−0·5	1·01
Masulipatam ...	29·964	−·041	N 14 E	3·8	73·1	70·1	83·2	−0·2	87·1	67·6	+1·5	61·8	81	2	3·5	0	−0·23	0	−0·4	0
Cocanada ...	29·957	−·031	N 6 E	5·8	73·0	68·1	82·4	+1·1	89·1	68·0	+1·9	61·2	77	0	4·5	0	−0·19	0	−0·4	0
Vizagapatam ...	29·942	−·034	N 43 W	5·3	73·1	69·1	80·6	−0·2	82·9	69·7	+1·8	64·1	82	+10	4·2	0	−0·46	0	−0·5	0
Calingapatam ...	29·973	−·038	N 41 W	5·3	70·1	67·4	82·1	−0·1	86·6	66·2	+3·4	58·1	85	+2	2·8	0·16	−0·10	1	+0·2	0·16
Gopalpur ...	29·939	−·026	N 19 W	6·9	70·9	67·0	81·4	+1·1	84·7	65·0	+2·7	57·8	81	+2	2·6	0·98	+0·75	3	+2·5	0·62
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·445	−·024	S 45 W	1·2	50·1	46·8	73·3	+3·0	76·0	43·8	+3·7	33·6	97	+6	3·9	0	−0·09	0	−0·4	0
Shillong ...	25·130	−·030	S 35 W	2·2	46·1	42·7	60·0	−0·6	66·1	38·7	−0·5	30·0	74	+1	3·6	3·18	+3·15	4	+3·2	1·65
Cherrapunji ...	25·797	−·025	S 79 W	5·9	53·8	47·2	59·8	−0·5	65·1	46·9	+1·0	40·0	62	−16	5·7	8·06	+7·61	8	+6·9	3·36
Darjiling ...	22·933	+·001	N 35 E	2·7	40·1	36·6	47·0	−0·3	55·4	35·6	+0·5	29·9	74	−7	4·3	1·70	+1·15	4	+2·7	1·00
Mukteswar ...	22·817	+·001	N 81 W	5·5	39·7	(o) 35·3	48·4	−3·3	61·1	36·2	+0·5	27·3	(o) 48	−5	4·0	5·77	+3·59	6	+2·3	1·98
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·13	+3·79	7	+3·4	2·76
Chakrata ...	23·376	+·024	N 70 E	6·3	41·2	(k) 36·5	51·0	−0·1	65·2	36·5	+0·3	28·1	(k) 47	−10	5·4	6·69	+2·34	6	+0·8	3·23
Simla ...	23·075	−·002	S 20 E	2·5	39·0	(o) 34·7	46·5	+0·1	61·0	34·9	−1·0	29·5	(o) 40	−12	4·4	2·63	−0·08	6	+1·3	0·85
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·95	...	4	...	2·00
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·10	...	9	...	1·80
Murree (b) ...	(d) 23·921	−·045	S 36 E	(c) 5·9	39·8	(k) 35·3	44·1	−2·4	55·2	35·1	+0·2	12·3	(k) 43	−17	4·5	3·93	+0·20	6	+0·3	1·10
Cherat ...	25·740	−·018	N 12 W	8·3	41·1	(f) 37·0	47·6	−2·3	57·0	...	...	...	(f) 56	+2	3·5	1·87	−0·64	3	−0·9	1·05
Parachinar ...	24·436	−·036	W	1·5	32·3	...	49·5	−1·0	59·6	26·3	−2·8	8·9	...	...	2·5	1·23	−0·59	4	−0·5	0·55
Drosh ...	...	...	S 83 E	1·8	33·7	...	44·2	−3·6	52·4	31·1	−0·6	21·6	(p) 84	+11	5·2	2·05	+1·14	6	+3·2	0·68
Mount Abu ...	26·075	−·012	N 20 W	2·9	55·4	(c) 46·4	65·8	−0·2	76·0	49·3	−2·0	30·4	(c) 44	+1	2·9	0·14	−0·12	1	+0·3	0·14
Pachmarhi ...	26·490	−·019	N 67 W	2·2	56·3	50·3	71·9	+0·1	78·2	46·3	−1·3	34·0	66	+3	5·7	0·36	−0·30	2	+0·7	0·26
Mercara ...	26·226	+·001	N 53 E	3·9	63·8	58·4	77·4	+0·1	80·8	57·3	+0·6	52·4	73	−6	2·7	0·03	−0·12	0	−0·3	0·03
Kodaikanal ...	22·805	+·003	N 66 E	6·3	53·6	47·1	62·7	−1·0	66·9	46·7	−0·2	41·3	65	+9	3·9	1·37	−1·51	4	+0·1	0·82
Coonoor (b) ...	24·500	...	N 62 E	(c) 3·2	56·7	51·1	66·2	...	73·0	46·8	...	38·8	70	...	3·5	3·47	...	2	...	3·13
CEYLON																				
Colombo ...	29·891	+·005	N 41 E	2·7	71·1	69·3	84·9	−2·3	87·0	70·7	−1·1	63·3	91	+8	6·5	6·61	+3·19	7	+2·3	2·81

(a) Reports only rainfall. (b) Mean of 31 days. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (k) Mean of 21 days. (o) Mean of 17 days. (p) Mean of 16 days.

MONTHLY WEATHER REPORT

FOR

February 1929

Supplement to the Indian Daily Weather Report for the 18th March 1929

Published by order of the Governor-General in Council

Summary.—As many as eight western disturbances passed into India during the month, but they were generally weak and rainfall was in defect over practically the whole of northern India. On the other hand, weather was remarkably wet in the Peninsula during the first fortnight. An outstanding feature was the cold spell over northern and central India and the adjacent parts of the Peninsula during the first three days, when several stations registered minimum temperatures which beat previous records. Considerable damage to standing crops is reported to have been caused by frost in those areas.

The first western disturbance of the month affected the frontier on the 2nd and following a southerly track caused fairly widespread rain in the north of the Peninsula between the 3rd and 5th. The second produced local rain along the frontier between the 5th and 7th and widespread rain in the extreme north on the next day. Weather remained unsettled in the Peninsula between the 6th and 8th, during which extensive rain fell over the region extending from the Central Provinces to the extreme south. The next two western disturbances, which came in immediate succession, caused widespread rain over the region extending from Baluchistan to the western Himalayas with scattered falls in the central parts of the country and northeast India between the 9th and 14th. Of the remaining four western disturbances, two were feeble while the third was responsible for widespread rain along the frontier and the western Himalayas on the 21st. The last disturbance began to affect the frontier on the 25th, became marked as a shallow depression over the Punjab on the 27th and moving eastwards lay over the United Provinces on the last day of the month. It caused local rain along the western Himalayas between the 26th and 28th.

Frequent thundershowers occurred in the south of the Peninsula during the first ten days and in Tenasserim till the end of the month. Rainfall was particularly heavy for the time of the year in south Madras, the principal amounts being Coonoor 2″ on the 3rd and 8th, Cuddalore 2″ and Madras 5″ on the 4th, Cochin and Palamcottah 2″ each on the 6th and Madura 7″ on the 7th.

The total rainfall of the month was between three and six times the normal amount in the Bay Islands, Lower Burma, Berar, the Bombay Deccan, Hyderabad, Mysore, Malabar, Madras Southeast and the Madras Deccan. It was also in large excess in Baluchistan and the Central Provinces East and in slight to moderate excess in Central India West, the Central Provinces West and the Madras Coast North. The month's rainfall was nearly normal in Central India East, in slight to moderate defect in Orissa, Chota Nagpur and Kashmir and in large defect elsewhere. Averaged over the plains of India, rainfall was in excess by 5 per cent.

Both maximum and minimum temperatures were markedly below normal over northern and central India and the adjacent parts of the Peninsula during the first three days, the deficiency in the mean temperature ranging from 10° to 20° in most parts. Thereafter temperature began to rise everywhere, but continued to be below normal over the greater part of the country till the end of the first week. Day temperature was higher than usual in Rajputana on the 8th and 9th and below normal over most of northwest India between the 12th and 15th. Temperature remained normal over the whole country during the next 4 or 5 days and continued to be so in the Peninsula till the end of the month. Minimum temperature was below normal in northeast India and Upper Burma between the 21st and 23rd, while warm weather prevailed over northwest India during the last week. The month's mean maximum temperature was below normal in the Bay Islands, Orissa, Chota Nagpur, the Punjab Southwest, Kashmir, the North-West Frontier Province, Central India West, the Central Provinces, Hyderabad and the Madras Deccan; the mean minimum temperature was higher than usual in Baluchistan, Hyderabad North, Mysore and the Madras Deccan and lower in Upper Burma, Bihar, the United Provinces West, Rajputana East and Central India East.

[Price 4 annas.]

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Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in large excess in the Bay Islands and Lower Burma and in large defect in Upper Burma. Cloud proportion was in excess in the Bay Islands and Lower Burma. Humidity was in defect in Upper Burma. Maximum temperature was below normal in the Bay Islands and the minimum in Upper Burma.

Northeast India, including Orissa.—Rainfall was in slight defect in Chota Nagpur, in moderate defect in Orissa and in large defect in the other sub-divisions. Cloudiness was less than usual in Orissa and Bihar. Humidity was in defect in Bengal and Bihar. Maximum temperature was below normal in Orissa and Chota Nagpur and the minimum in Bihar.

The United Provinces, Central India and the Central Provinces.—The total rainfall of the month was nearly normal in Central India East, in slight excess in the Central Provinces West and in moderate excess in Central India West; it was in large excess in Berar and the Central Provinces East and in large defect in the United Provinces. Cloud proportion was above normal in the Central Provinces. Humidity was in excess in Central India East, Berar and the Central Provinces East, and in defect in the United Provinces and Central India West. Maximum temperature was lower than usual in Central India West and the Central Provinces and the minimum in the United Provinces West and Central India East.

Northwest India.—Rainfall was in large excess in Baluchistan, in moderate defect in Kashmir and in large defect elsewhere, weather being wholly dry in Gujarat and Rajputana West. Skies were more clouded than usual in the Punjab Southwest, Baluchistan, Sind, Rajputana East and Gujarat. Humidity was in excess in Kashmir and in defect in Sind, Rajputana and Gujarat. Maximum temperature was below normal in the Punjab Southwest, Kashmir and the North-West Frontier Province; the minimum was higher than usual in Baluchistan and lower in Rajputana East.

The Peninsula.—The month's rainfall was in moderate excess in the Madras Coast North and in large excess elsewhere except in the Konkan, where weather was completely dry. Cloud proportion was above normal in the Bombay Deccan, Hyderabad, Mysore, Malabar and the Madras Deccan. Humidity was in excess in the Bombay Deccan, Hyderabad and Mysore. Maximum temperature was below normal in Hyderabad and the Madras Deccan and the minimum above it in Hyderabad North, Mysore and the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 9th March 1929.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	0·91	0·35	+0·56	+160	+0·4	−0·7	− 3	+1·1
Assam ...	0·22	1·61	−1·39	− 86	+1·7	−1·3	− 4	−0·8
Bengal ...	0·24	0·96	−0·72	− 75	+0·4	−1·4	− 5	−0·1
Bihar and Orissa ...	0·53	0·99	−0·46	− 46	−1·1	−1·8	− 4	−0·7
United Provinces ...	0·04	0·86	−0·82	− 95	−0·1	−2·1	− 6	−0·1
Punjab ...	0·19	0·98	−0·79	− 81	−1·6	−1·3	− 3	+0·2
North-West Frontier Province.	0·35	1·00	−0·65	− 65	−3·2	−1·1	− 1	+0·3
Sind ...	0·04	0·33	−0·29	− 88	−1·7	−0·7	− 5	+2·2
Rajputana ...	0·06	0·24	−0·18	− 75	−0·9	−2·4	− 8	+0·3
Bombay ...	0·14	0·10	+0·04	+ 40	−0·5	+0·3	− 4	+0·5
Central India ...	0·43	0·40	+0·03	+ 7	−1·5	−1·8	− 2	−0·1
Central Provinces ...	1·33	0·72	+0·61	+ 85	−3·3	−1·4	+ 5	+0·9
Hyderabad ...	1·78	0·30	+1·48	+493	−3·9	+1·5	+11	+1·5
Mysore ...	0·86	0·16	+0·70	+438	0	+2·1	+ 8	+1·8
Madras ...	1·35	0·43	+0·92	+214	−1·5	+1·2	− 1	+0·8
Mean of India ...	0·61	0·58	+0·03	+ 5	−1·0	−0·8	− 2	+0·5

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	4·66	0·87	+ 3·79	+436	−2·6	−0·4	− 1	+2·1
2. Lower Burma ...	1·56	0·39	+ 1·17	+300	+0·9	+0·5	− 1	+2·1
3. Upper Burma ...	0·06	0·29	− 0·23	− 79	−0·2	−2·2	− 5	−0·2
4. Assam ...	0·22	1·61	− 1·39	− 86	+1·7	−1·3	− 4	−0·8
5. Bengal ...	0·24	0·96	− 0·72	− 75	+0·4	−1·4	− 5	−0·1
6. Orissa ...	0·75	1·05	− 0·30	− 29	−2·2	−1·8	− 3	− 1·1
7. Chota Nagpur ...	1·11	1·41	− 0·30	− 21	−2·9	−1·4	+ 2	−0·1
8. Bihar ...	0·01	0·69	− 0·68	− 99	+0·2	−2·0	− 7	−0·6
9. United Provinces, East ...	0·04	0·68	− 0·64	− 94	−0·2	−1·6	− 6	−0·2
10. Do. do. West ...	0·03	1·02	− 0·99	− 97	−0·1	−2·5	− 5	0
11. Punjab, East and North ...	0·22	1·25	− 1·03	− 82	−1·2	−1·4	− 4	−0·2
12. Do. Southwest ...	0·14	0·51	− 0·37	− 73	−2·2	−1·3	− 1	+0·9
13. Kashmir ...	1·77	2·63	− 0·86	− 33	−2·0	−1·8	+10	−1·3
14. North-West Frontier Province ...	0·35	1·00	− 0·65	− 65	−3·2	−1·1	− 1	+0·3
15. Baluchistan ...	2·06	1·15	+ 0·91	+ 79	−1·1	+2·6	+ 2	+1·9
16. Sind ...	0·04	0·33	− 0·29	− 88	−1·7	−0·7	− 5	+2·2
17. Rajputana, West ...	0	0·24	− 0·24	−100	−0·3	−1·1	− 7	+0·1
18. Do. East ...	0·09	0·24	− 0·15	− 63	−1·3	−3·0	− 8	+0·5
19. Gujarat ...	0	0·13	− 0·13	−100	+0·3	−0·9	−11	+0·6
20. Central India, West ...	0·28	0·19	+ 0·09	+ 47	−2·5	−0·7	− 9	+0·1
21. Do. do. East ...	0·59	0·61	− 0·02	− 3	−0·7	−2·9	+ 5	−0·3
22. Berar ...	1·49	0·33	+ 1·16	+352	−3·8	+0·7	+12	+1·4
23. Central Provinces, West ...	0·64	0·55	+ 0·09	+ 16	−2·9	−1·6	− 1	+0·5
24. Do. do. East ...	2·27	1·17	+ 1·10	+ 94	−3·5	−1·7	+11	+1·2
25. Konkan ...	0	0·06	− 0·06	−100	−0·1	+0·8	− 2	+0·2
26. Bombay Deccan ...	0·41	0·08	+ 0·33	+413	−1·8	+1·6	+ 5	+0·8
27. Hyderabad, North ...	1·44	0·34	+ 1·10	+324	−4·3	+2·5	+13	+1·9
28. Do. South ...	2·03	0·27	+ 1·76	+652	−3·7	+1·0	+ 9	+1·3
29. Mysore ...	0·86	0·16	+ 0·70	+438	0	+2·1	+ 8	+1·8
30. Malabar ...	1·13	0·41	+ 0·72	+176	−0·8	+1·2	+ 1	+1·2
31. Madras, Southeast ...	2·18	0·52	+ 1·66	+319	−1·1	+1·6	− 4	+0·5
32. Do. Deccan ...	0·41	0·15	+ 0·26	+173	−2·8	+2·6	+ 1	+2·3
33. Do. Coast North ...	0·61	0·45	+ 0·16	+ 36	−1·9	0	− 1	+0·1

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·816	−·043	N 30 W	4·6	77·8	78·8	85·0	−2·6	87·8	71·6	−0·4	69·9	82	−1	5·6	4·66	+3·79	3	+1·8	2·30
LOWER BURMA																				
Victoria Point ...	29·717	−·049	N 56 E	5·1	78·8	74·4	87·2	−1·5	90·7	75·2	+1·2	72·2	81	+4	5·7	6·61	+6·48	6	+5·7	2·04
Mergui ...	29·815	−·041	...	...	75·2	73·8	85·5	−1·0	93·0	70·6	+0·7	67·0	93	+8	5·0	5·87	+3·85	10	+7·3	1·53
Tavoy ...	29·867	−·050	N 24 E	2·0	75·2	73·2	92·3	+1·2	95·2	69·7	+2·1	61·6	89	+1	6·0	1·58	+1·14	6	+5·2	0·64
Amherst ...	29·816	...	S 48 E	5·3	73·2	73·5	88·8	...	90·3	72·9	...	68·6	79	...	4·2	0·10	...	1	...	0·40
Rangoon ...	29·871	−·041	N 12 E	2·4	71·5	66·9	91·6	+2·3	98·1	68·1	+1·6	65·1	78	−6	7·9	0	−0·22	0	−0·3	0
Bassein ...	29·870	−·038	N 39 E	2·1	73·3	69·3	92·0	+2·1	96·2	66·3	+0·1	60·1	81	−5	4·0	0	−0·28	0	−0·3	0
Diamond Island ...	29·833	−·057	N 26 W	6·6	77·0	72·0	84·5	+0·5	88·9	75·1	+2·2	73·8	77	+2	2·5	0	−0·16	0	−0·2	0
Toungoo ...	29·726	−·047	...	...	69·6	63·1	92·4	+2·2	96·9	60·6	−0·2	54·1	58	−15	2·5	0	−0·18	0	−0·3	0
Kyaukpyu ...	29·881	−·043	N 18 E	2·6	71·0	69·0	81·8	+1·0	85·9	64·1	−0·1	57·3	91	+7	5·1	0	−0·13	0	−0·3	0
Akyab ...	29·897	−·033	N 12 E	6·4	65·2	67·2	85·3	+1·0	91·0	57·8	−3·4	51·4	74	−9	1·2	0	−0·15	0	−0·4	0
UPPER BURMA																				
Minbu (e) ...	29·741	−·031	N 43 W	(f) 3·0	68·8	58·1	89·3	−1·0	95·5	58·6	−2·1	54·4	49	−15	0·7	0	−0·06	0	−0·1	0
Yamethin ...	29·254	−·018	..	...	65·7	57·4	90·3	−0·7	95·6	57·0	−3·0	50·3	58	−12	1·4	0·04	−0·18	0	−0·4	0·04
Mandalay ...	29·665	−·020	N 3 W	1·0	61·1	57·5	90·0	−0·3	94·8	58·1	−2·0	53·3	79	+11	1·3	0	−0·08	0	−0·3	0
Monywa ...	29·657	−·020	N 22 W	2·4	65·8	59·7	88·3	+0·3	95·6	58·6	−1·2	52·7	68	−5	3·0	0	−0·03	0	−0·1	0
Lashio ...	27·107	−·013	Calm	1·5	56·7	51·8	78·2	+0·2	82·8	47·7	−1·4	41·6	73	−9	1·9	0·01	−0·29	0	−1·0	0·01
Bhamo ...	29·551	+·034	N 29 E	1·4	57·3	55·3	79·3	−1·5	85·9	48·8	−3·8	43·7	88	−2	4·9	0·34	−0·14	1	−0·4	0·24
Myitkyina ...	29·489	+·003	N 53 E	1·8	57·6	55·1	79·9	+1·8	85·8	52·5	−1·6	48·8	85	−1	2·7	0·05	−0·80	0	−2·6	0·05
ASSAM																				
Dibrugarh ...	29·631	−·013	S 63 E	0·2	57·3	(f) 55·5	75·5	+3·2	83·2	53·0	−1·6	48·2	(f) 89	−4	4·4	0·79	−1·63	3	−2·9	0·36
Sibsagar ...	29·659	−·006	N 10 E	0·9	56·7	55·5	76·0	+3·4	82·4	52·4	−0·9	46·3	93	−3	8·1	0·51	−1·50	2	−3·3	0·22
Tezpur ...	29·738	+·003	N 42 E	1·2	59·1	56·0	78·2	+2·2	84·5	54·2	−1·5	49·4	82	−6	2·7	0	−1·14	0	−2·8	0
Gauhati ...	29·801	0	N 72 E	1·0	59·0	56·2	78·5	+0·7	85·0	51·4	−1·6	46·0	83	−4	1·9	0	−1·24	0	−2·6	0
Dhubri ...	29·864	+·006	S 86 E	3·5	60·7	56·9	77·5	−0·1	84·6	55·3	−0·6	49·4	78	−6	0·6	0	−0·73	0	−1·5	0
Silchar ...	29·884	−·004	S 86 E	1·2	59·9	(e) 57·3	81·3	+0·8	87·8	54·2	−1·5	48·0	(e) 83	−3	2·9	0·02	−2·10	0	−3·6	0·02
BENGAL																				
Cox's Bazar ...	29·893	−·024	N 45 E	(k) 1·5	67·4	61·6	83·0	+0·8	90·2	58·6	−0·7	53·8	70	−14	1·0	0·02	−0·35	0	−0·7	0·02
Chittagong ...	29·863	−·016	N 38 E	3·8	63·6	57·9	84·6	+2·4	90·9	57·4	−1·3	50·8	65	−14	3·7	0·07	−0·96	0	−1·3	0·07
Narayanganj ...	29·939	−·003	N 16 W	1·5	62·4	58·3	82·0	+0·4	90·0	57·2	−1·6	49·9	77	−5	2·4	0	−1·40	0	−2·0	0
Barisal ...	29·944	−·005	N 8 E	2·2	64·9	60·7	81·8	+0·3	89·9	58·2	−1·5	51·4	77	−7	3·2	0·12	−0·93	0	−1·9	0·06
Jessore ...	29·946	+·004	N 4 W	(f) 1·4	63·3	59·6	82·2	+0·2	90·8	54·3	−3·0	45·8	79	−2	1·9	0·09	−1·25	0	−1·9	0·09
Calcutta ...	29·945	−·003	N 8 W	2·5	63·6	59·8	82·5	+0·2	91·0	59·9	−0·4	51·0	79	−3	2·7	0·63	−0·47	2	+0·4	0·44
Saugor Island ...	29·943	−·012	N 12 E	6·0	68·2	64·1	79·2	−1·6	87·1	62·1	−2·7	49·9	79	−7	2·9	0·71	−0·41	1	−0·8	0·56
Burdwan ...	29·878	+·005	N 39 W	1·5	62·7	57·3	82·4	−0·9	92·8	56·6	−2·1	45·9	71	0	3·1	1·11	−0·14	3	+1·2	0·50
Berhampore ...	29·922	+·013	..	1·2	64·3	57·4	83·1	+1·8	92·4	53·7	−2·9	42·8	64	−15	1·6	0·04	−0·84	0	−1·7	0·04
Mymensingh ...	29·913	+·004	N 56 E	1·1	60·0	57·2	80·1	+1·0	89·3	55·3	−1·1	46·5	84	0	1·7	0·12	−0·82	1	−0·7	0·12
Bogra ...	29·906	+·011	N 15 W	1·0	60·4	57·3	79·6	−0·5	87·7	54·6	−0·1	45·8	82	+2	2·1	0·19	−0·59	1	−0·7	0·14
Dinajpur ...	29·839	0	N 14 W	1·5	59·1	55·6	78·1	−1·2	84·8	53·5	+0·8	46·5	79	−2	1·9	0	−0·57	0	−1·2	0
Jalpaiguri ...	29·680	−·008	N 18 W	1·1	57·7	54·6	75·4	+1·3	84·3	52·2	−1·1	43·9	86	0	2·0	0	−0·66	0	−1·2	0
ORISSA																				
Balasore ...	29·912	+·006	N 3 W	2·2	68·2	60·7	82·5	−2·2	92·2	60·2	−1·2	49·5	65	−12	1·9	1·34	−0·18	3	+0·6	0·66
Hukitala (False Point) (n)	29·926	−·012	S 82 W	(o) 4·5	...	...	...	...	...	...	...	...	...	...	0·4	0·06	−1·07	0	−1·6	0·06
Cuttack ...	29·880	0	N 63 E	0·5	65·9	62·7	86·3	−2·4	95·4	63·3	−2·0	56·1	88	+8	2·5	1·25	+0·49	2	+0·6	0·53
Sambalpur ...	29·479	+·004	N 36 E	1·6	67·6	60·4	84·6	−2·0	94·0	57·7	−2·2	46·7	64	−4	1·6	0·36	−0·43	1	−0·7	0·31
CHOTA NAGPUR																				
Chaibassa ...	29·216	+·003	S 49 W	1·8	60·7	57·4	80·8	−3·5	92·8	56·2	−0·9	46·8	81	+6	2·9	1·38	−0·11	2	−0·4	0·72
Ranchi ...	27·777	+·005	N 45 W	2·7	62·3	53·9	74·9	−2·2	85·5	53·3	−1·9	42·2	57	−2	1·7	1·48	−0·12	2	−0·8	1·29
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·47	−0·66	2	−0·3	0·26

(a) Reports only rainfall. (e) Mean of 27 days. (f) Mean of 26 days. (k) Mean of 21 days. (n) Mean of 18 days. (o) Mean of 17 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·850	+·004	S 50 W	1·3	58·4	54·4	78·4	−0·1	87·0	46·7	−1·8	40·8	77	7	1·4	0	−0·62	0	−1·3	0
Darbhanga ...	29·863	+·002	S 45 W	1·7	59·9	51·5	78·0	+1·1	86·9	45·5	−5·7	42·4	69	−10	1·5	0	−0·51	0	−1·3	0
Patna ...	29·796	+·011	S 61 W	2·2	58·6	52·0	79·1	+1·6	89·4	53·3	−0·9	42·2	62	−6	2·2	0	−0·71	0	−1·5	0
Gaya ...	29·699	+·001	S 24 W	0·9	62·8	54·6	79·6	−0·9	90·2	51·9	−1·1	41·7	56	−12	0·6	0	−0·86	0	−1·7	0
Naya Dumka ...	29·466	−·002	N 45 W	1·7	61·9	54·4	79·9	−0·4	91·2	53·1	−2·6	41·8	63	−2	1·5	0·06	−0·67	0	1·9	0·06
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·711	+·013	N 86 W	0·9	55·8	51·4	78·9	+1·5	89·1	45·4	−5·1	38·7	73	0	0·9	0·13	−0·44	1	−0·8	0·16
Benares ...	29·727	+·004	S 43 W	1·2	57·0	51·7	76·9	2·6	89·0	50·2	−1·6	40·6	69	−4	2·6	0	−0·68	0	−1·8	0
Allahabad ...	29·662	−·002	S 75 W	5·1	58·0	51·2	77·7	−1·8	90·6	51·1	−0·5	38·6	66	−7	2·9	0·10	−0·48	0	−1·5	0·06
Cawnpore ...	29·553	+·003	N 68 W	2·0	57·5	50·8	78·3	0·1	92·1	51·0	−0·1	37·2	62	−8	1·7	0	−0·76	0	−1·6	0
Lucknow ...	29·582	−·017	N 67 W	1·4	55·7	49·5	78·3	−0·1	90·6	49·5	−1·0	36·6	65	−5	2·2	0	−0·65	0	−1·5	0
Bahraich ...	29·531	−·006	N 62 W	2·1	54·3	48·5	78·4	−2·6	88·8	47·8	−2·7	36·0	65	11	1·4	0	−0·91	0	−2·0	0
UNITED PROVINCES, WEST																				
Jhansi ...	29·150	−·001	N 85 W	2·6	60·1	50·3	77·8	−3·0	95·6	50·4	1·7	32·4	45	11	1·9	0·11	−0·34	0	−1·1	0·07
Agra ...	29·420	+·004	N 83 W	4·2	53·8	47·8	75·9	2·6	90·6	45·5	−1·4	28·5	59	7	2·7	0·05	−0·43	0	−1·0	0·05
Mainpuri ...	29·459	+·015	N 60 W	2·2	54·8	48·9	76·3	−0·6	91·2	46·2	3·6	33·4	69	−2	2·4	0·11	−0·68	0	−1·5	0·01
Bareilly ...	29·384	+·008	N 84 W	0·8	51·3	48·1	76·3	+1·3	89·8	47·5	−2·2	31·5	78	2	2·9	0	−0·92	0	−1·7	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·86	0	−1·7	0
Roorkee ...	29·026	−·004	N 45 W	2·8	56·9	47·2	73·1	+0·4	83·3	41·9	−2·1	33·4	76	−3	3·0	0	−1·10	0	−2·6	0
Dehra Dun (j) ...	27·663	−·015	N 38 W	1·1	50·1	45·2	72·9	+3·9	81·1	45·9	[illegible]	37·8	67	−5	3·1	0·03	−2·32	0	−1·6	0·02
PUNJAB, EAST AND NORTH																				
Delhi (e) ...	29·240	0	N 74 W	(f) 2·6	55·1	47·8	72·2	−2·4	86·2	51·9	+0·2	36·0	55	−9	2·9	0	−0·76	0	1·6	0
Hissar ...	29·228	−·017	N 76 W	3·1	54·3	(f) 46·0	74·3	0·5	99·[illegible]	44·9	−1·0	27·8	(f) 63	7	1·1	0	−0·45	0	−1·0	0
Ambala ...	29·048	+·001	N 42 W	4·5	54·5	46·5	73·3	+0·6	87·2	46·4	−0·7	34·0	68	−10	3·3	0	−1·65	0	−3·0	0
Ludhiana ...	29·149	+·009	N 55 W	2·8	56·5	(f) 47·0	71·6	+0·7	84·9	46·0	−1·7	30·8	(f) 69	−7	2·5	0	−1·25	0	−2·0	0
Lahore (e) ...	29·282	+·019	N	(f) 1·5	43·2	(f) 46·3	69·6	2·5	82·3	44·1	−0·9	31·4	(f) 76	−3	4·8	0·16	−0·78	1	−1·2	0·11
Sialkot ...	29·155	+·026	N 9 W	1·2	48·6	(e) 46·4	68·3	−1·3	82·7	42·3	3·6	27·1	(e) 84	−1	3·2	0·42	−1·27	1	−2·0	0·15
Rawalpindi ...	28·393	+·025	N 25 W	3·4	45·1	(e) 43·1	64·8	−3·3	74·6	40·1	−1·2	26·7	(e) 82	1	5·7	1·06	−1·13	4	+0·5	0·32
PUNJAB, SOUTHWEST																				
Khushab ...	29·413	+·031	N 67 W	3·1	50·2	(e) 44·2	69·2	−1·9	84·5	43·7	−2·5	29·2	(e) 77	0	4·0	0·10	−0·79	1	−1·0	0·10
Lyallpur ...	29·402	+·010	N 87 W	1·6	47·6	(e) 44·7	68·1	−2·5	82·0	42·7	−0·7	28·9	(e) 75	−2	5·1	0·18	−0·13	1	−0·1	0·16
Montgomery ...	29·418	+·026	N 4 E	2·6	51·3	46·8	70·0	−2·8	85·0	44·8	1·0	28·3	74	5	3·3	0·21	−0·25	1	−0·1	0·18
Multan ...	29·610	+·042	N 3 E	1·5	51·6	46·4	72·5	−1·6	87·0	46·8	1·0	33·5	66	0	3·9	0·16	−0·30	0	−1·2	0·06
Khanpur ...	29·728	...	N	0·5	52·3	(e) 48·1	75·6	...	92·2	42·7	...	31·1	(e) 65	...	4·5	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·977	+·050	S 39 E	2·7	29·5	...	38·7	1·9	52·3	26·3	−2·1	9·9	(e) 52	...	1·0	1·68	−1·00	5	−1·2	0·43
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·22	−1·61	9	−0·9	1·55
Dras ...	20·751	+·015	W	0·4	−1·7	...	18·1	3·7	31·7	−12·7	+2·0	32·2	...	...	4·9	2·67	0	8	+0·9	1·25
Leh ...	19·595	−·003	N 31 E	1·9	14·8	...	35·1	+2·3	55·5	10·1	+0·5	5·3	...	...	6·4	0·16	−0·11	1	−0·2	0·11
Skardu ...	22·923	+·027	Calm	0·4	22·0	...	35·5	−2·7	46·6	11·2	−7·4	6·2	...	...	7·2	0·75	+0·08	2	−0·3	0·44
Gilgit (c) ...	25·208	+·011	W	(f) 0·5	38·9	(k) 36·8	51·2	−1·1	52·1	31·8	−1·9	20·6	(k) 65	−10	6·9	0·17	−0·01	1	+0·2	0·17
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·904	+·013	Calm	0·1	45·7	(e) 43·5	62·9	−3·1	76·0	42·6	0	31·2	(e) 80	−7	5·0	0·65	−0·70	2	−1·1	0·27
Dera Ismail Khan ...	29·457	+·035	N 3 W	1·7	50·0	(e) 44·9	68·3	−3·3	83·8	42·4	−2·2	27·6	(e) 62	−8	3·1	0·06	−0·59	0	−1·7	0·06
BALUCHISTAN																				
Fort Sandeman ...	25·426	+·022	Calm	2·0	37·5	...	55·7	4·5	75·7	33·7	0·5	18·6	(p) 79	+3	4·4	1·48	0·65	5	+2·4	0·48
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·31	+2·00	3	+2·5	1·03
Quetta ...	24·695	+·005	S 7 E	4·1	35·9	...	53·1	−0·1	75·0	34·2	+3·3	14·5	(p) 77	+2	5·7	3·15	+1·29	8	+3·6	1·10
Chaman ...	25·672	−·034	S 35 E	5·4	42·8	(g) 39·4	55·7	−1·9	72·7	39·0	+2·1	16·2	(g) 67	+2	6·3	4·04	+2·62	10	+6·1	1·12
Kalat ...	23·695	−·020	S 55 W	4·9	33·3	...	51·8	−1·2	68·3	29·4	+1·6	4·7	(s) 87	...	5·7	1·14	+0·10	3	+0·1	0·34
Dalbandin ...	27·140	−·026	N 88 E	4·9	47·2	(f) 41·1	69·4	−2·4	88·0	41·9	+3·3	16·1	(f) 70	+2	4·0	0·26	−0·74	2	−0·2	0·13
Mirjawa ...	27·159	...	N 89 W	7·3	47·7	(f) 42·1	69·8	...	87·8	41·8	...	22·0	(f) 58	...	2·1	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (e) Mean of 27 days. (f) Mean of 26 days. (g) Mean of 25 days. (j) Mean of 22 days. (k) Mean of 21 days.
(h) Mean of 18 days. (p) Mean of 16 days. (s) Mean of 13 days. (r) Mean of 10 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad	[illegible]	+·053	N 72 E	0·1	55·5	(e) 47·7	76·1	−1·9	90·5	48·6	0	30·3	(e) 51	−5	1·7	0·13	−0·19	0	−0·9	0·07
Hyderabad	[illegible]	+·024	N 21 W	2·5	59·1	50·8	80·2	−0·6	98·9	53·9	−0·3	36·0	48	−10	1·4	0	−0·27	0	−0·6	0
Karachi	[illegible]	+·038	N 41 E	6·1	63·0	57·0	75·6	−2·6	82·0	59·1	−1·7	43·9	66	+1	4·6	0	−0·39	0	−1·0	0
RAJPUTANA, WEST																				
Bikaner	29·229	+·039	S 67 E	1·0	55·6	(e) 46·4	77·6	−0·7	91·7	49·4	−2·7	31·0	(e) 43	−8	3·1	0	−0·28	0	−0·8	0
Jodhpur	29·205	+·019	N 39 E	1·8	58·0	(e) 46·6	80·6	0	96·2	53·2	−0·1	37·3	(e) 33	−7	2·5	0	−0·21	0	−0·6	0
RAJPUTANA, EAST																				
Jaipur	28·553	+·027	N 32 E	2·3	57·7	(e) 48·6	77·1	−1·2	92·8	49·2	−0·2	29·6	(e) 45	−7	2·6	0·36	+0·07	2	+1·2	0·24
Ajmer	(e) 28·578	+·028	N 15 E	2·6	(e) 57·0	(e) 46·9	76·2	−1·0	92·3	47·1	−2·8	30·8	(e) 42	−19	3·1	0	−0·25	0	−0·7	0
Kotah	29·113	+·013	N 65 W	1·7	63	50·7	80·1	1·7	99·6	51·6	−4·0	35·6	49	+2	2·7	0	−0·29	0	−0·5	0
Udaipur (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·14	0	−0·4	0
GUJARAT																				
Deesa	29·521	+·017	N 62 E	7·2	66·4	(e) 51·0	87·6	+1·2	103·6	53·2	1·1	31·1	(e) 23	−19	2·9	0	−0·16	0	−0·3	0
Bhuj	29·654	+·008	N 5 E	4·3	65·1	53·2	82·1	[illegible]	97·6	52·8	−4·3	31·3	40	−21	1·7	0	−0·15	0	−0·3	0
Dwarka	29·956	−·014	N 18 E	9·6	67·4	63·0	78·1	0	92·4	61·3	−1·7	46·8	77	−6	4·0	0	−0·32	0	−0·5	0
Rajkot	29·517	−·024	N 23 E	5·0	62·0	57·9	83·8	+0·3	99·6	53·0	−1·0	37·0	39	−16	4·3	0	−0·10	0	−0·3	0
Veraval	29·945	−·010	N 12 E	5·6	66·5	55·1	83·1	+1·6	90·9	61·1	+1·5	46·0	44	15	0·8	0	−0·05	0	−0·3	0
Surat	29·911	−·023	N 37 E	3·2	68·8	58·4	89·5	+0·2	101·2	60·8	+1·4	42·2	50	−12	1·7	0	−0·07	0	−0·2	0
Bhavnagar	29·900	−·039	N 19 W	3·7	64·1	52·9	87·4	+0·4	98·6	55·9	−1·9	36·7	41	−12	1·3	0	−0·08	0	−0·2	0
Ahmadabad	29·820	+·002	N 32 E	5·6	66·1	51·5	87·5	0·3	99·3	60·1	+0·6	47·0	43	−3	0·6	0	−0·12	0	−0·3	0
CENTRAL INDIA, WEST																				
Neemuch	28·331	+·003	N 50 E	1·3	60·9	48·9	78·1	−2·3	96·7	51·2	0·5	32·2	58	−10	1·6	0	−0·20	0	−0·4	0
Indore	28·108	+·014	N 88 E	2·8	62·7	51·1	80·1	−2·6	95·1	51·4	−0·3	26·9	42	−7	2·1	0·56	+0·38	1	+0·4	0·56
CENTRAL INDIA, EAST																				
Nowgong	29·228	+·021	S	1·0	63·6	49·6	79·1	−0·1	95·8	46·8	−4·1	31·8	75	+10	2·4	0·15	−0·35	0	−1·1	0·09
Sutna	28·917	+·010	S 65 W	2·1	59·2	52·0	78·2	−0·9	92·1	(f) 50·5	−1·8	38·3	60	−1	2·1	1·03	+0·30	3	+1·3	0·33
BERAR																				
Akola	28·094	−·023	S 88 E	2·1	66·7	58·5	87·8	−2·7	98·7	59·8	+2·4	36·5	59	+16	3·0	0·97	+0·68	2	+1·4	0·60
Amraoti	28·718	−·005	N 57 E	1·0	68·3	58·5	84·6	−4·9	95·3	61·6	−0·9	42·8	53	+8	3·2	2·02	−1·64	4	+3·3	1·12
CENTRAL PROVINCES, WEST																				
Khandwa	28·886	−·017	N 46 E	[illegible]	64·0	53·3	87·3	−1·2	100·0	54·8	+1·1	35·0	49	−5	1·5	0·29	+0·17	2	+1·7	0·12
Hoshangabad	28·971	−·018	N 56 E	2·9	63·0	52·1	82·8	−2·1	95·0	54·3	−1·0	30·8	47	−9	2·1	0·07	−0·31	0	−1·0	0·07
Saugor	28·133	+·012	N 71 E	3·5	62·1	45·3	75·8	−2·7	91·8	53·7	−1·8	31·9	58	−8	2·9	0·38	−0·06	2	+0·8	0·23
Jubbulpore	28·608	−·001	S 39 E	1·4	57·8	52·0	79·2	−2·3	92·8	50·5	−1·9	33·9	66	+1	1·9	0·15	−0·67	1	−0·7	0·10
Seoni	27·897	−·002	N 25 E	3·2	61·3	53·2	78·2	−0·0	91·5	53·1	−1·5	28·3	58	+2	2·3	1·35	+0·41	6	+4·0	0·53
Nagpur	28·168	+·014	N 26 E	2·7	65·2	55·6	81·3	+1·2	95·8	57·8	−1·0	42·8	51	0	3·7	1·58	+0·98	4	+2·6	0·58
CENTRAL PROVINCES, EAST																				
Pendra	27·893	−·004	N 26 W	2·7	58·1	52·7	86·5	−2·5	87·1	52·2	−2·6	35·1	68	+12	3·2	0·36	−1·32	2	−1·1	0·13
Raipur	28·377	+·007	N 57 E	1·0	65·3	58·0	87·6	−2·5	93·5	58·3	−1·9	43·4	63	+6	2·4	1·39	+0·45	2	+0·4	0·81
Kanker	28·632	...	S 39 E	1·7	65·8	59·8	82·3	...	91·6	56·2	...	44·7	70	...	3·6	1·88	...	5	...	0·95
Chanda	29·354	−·007	N 5 E	0·8	67·2	62·3	85·0	−5·9	95·5	58·5	−0·9	39·3	75	+16	2·9	3·16	+2·39	7	+5·9	0·74
Jagdalpur	28·091	−·051	N 15 W	1·4	62·7	59·9	84·7	−3·2	91·3	56·3	+1·1	47·1	85	+12	4·0	4·28	+2·92	7	+5·7	0·98
KONKAN																				
Bombay	29·881	−·039	N 43 W	6·5	71·4	65·1	83·7	+0·8	96·5	67·3	+0·1	63·2	70	−1	0·6	0	−0·08	0	−0·2	0
Ratnagiri	29·690	−·038	N 69 E	5·6	75·1	65·9	84·0	−1·8	93·2	68·4	+1·2	56·2	59	−5	0·8	0	−0·05	0	−0·1	0
Marmagao	29·831	−·041	N 6 E	0·8	...	...	...	...	...	...	...	...	...	...	3·5	0	−0·07	0	−0·1	0
Karwar	29·870	−·023	N	2·4	70·4	67·3	86·8	−0·8	92·7	68·0	+1·0	61·5	85	0	0·5	0	−0·04	0	−0·1	0
BOMBAY DECCAN																				
Malegaon	28·590	−·014	N 72 W	3·0	66·1	53·0	87·5	−2·5	97·8	55·9	+1·0	30·6	37	−8	4·1	0·23	+0·16	1	+0·8	0·20
Ahmadnagar	27·772	−·022	N 35 W	4·3	68·6	56·4	86·3	−2·1	94·6	58·7	+3·2	35·6	44	−3	1·2	0·28	+0·11	1	+0·7	0·18
Poona	28·669	−·028	S 45 W	1·7	65·5	56·6	89·3	−1·3	96·6	57·8	+1·6	39·8	55	+1	1·7	0	−0·06	0	−0·1	0
Sholapur	28·338	−·022	S 57 E	4·6	72·4	62·1	89·7	−1·8	97·1	65·4	+2·9	49·9	55	+17	1·1	1·14	+1·08	2	+1·9	0·86
Bijapur	27·967	−·014	S 15 E	2·7	72·3	61·8	88·7	−2·3	98·6	64·3	+0·1	51·4	55	+4	1·7	0·79	+0·73	2	+1·8	0·66
Belgaum	27·251	−·028	N	2·6	61·3	58·9	87·5	−0·8	95·1	59·8	+0·4	51·5	72	+21	1·3	0	−0·05	0	−0·1	0
HYDERABAD, NORTH																				
Aurangabad	28·026	−·029	N 82 E	5·8	68·6	57·2	85·2	−3·5	91·9	61·9	+3·0	44·0	48	+2	4·0	1·25	+1·08	2	+1·6	0·93
Parbhani (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·41	+1·07	3	+2·1	0·96
Nizamabad	28·640	−·039	S 18 W	1·3	69·3	63·3	85·7	−5·2	96·2	63·5	+2·0	47·5	71	+17	2·7	1·66	+1·15	4	+3·1	1·12

(a) Reports only rainfall. (e) Mean of 27 days. (f) Mean of 22 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·410	−·016	S 75 E	5·7	72·1	63·3	(o) 86·6	−5·9	98·8	66·3	+2·2	56·4	58	+8	2·6	3·54	+3·35	4	+3·5	2·25
Raichur ...	28·606	−·005	S 50 E	5·0	74·9	66·5	90·2	−1·9	97·0	68·8	+2·4	55·4	65	+11	1·0	0·60	+0·57	2	+1·6	0·40
Hyderabad ...	28·207	−·005	S 50 E	3·3	69·3	63·9	86·7	−3·0	96·7	65·4	+1·2	55·2	72	+7	4·5	2·28	+1·98	3	+2·3	1·17
Hanamkonda ...	29·050	−·012	S 44 E	4·3	71·4	66·9	85·8	−4·2	95·3	66·6	+0·2	51·0	78	+12	4·0	1·70	+1·35	3	+2·3	1·24
MYSORE																				
Chitaldrug ...	27·517	−·014	S 47 E	3·0	71·8	63·8	89·1	−0·2	95·3	67·3	+1·1	62·0	65	+12	3·6	0·84	+0·75	2	+1·8	0·46
Bangalore ...	26·936	−·008	S 70 E	5·7	68·7	63·3	86·2	0	92·3	62·8	+2·6	58·8	74	+3	3·9	1·11	+0·91	5	+2·7	0·41
Mysore ...	27·396	−·039	S 27 E	4·3	70·4	65·5	88·9	+0·1	91·5	66·0	+2·4	63·4	77	+9	1·2	0·62	+0·40	3	+2·6	0·35
MALABAR																				
Mangalore ...	29·831	−·024	N 74 E	3·5	78·5	72·7	87·1	−1·4	89·5	73·2	+1·1	63·3	74	+1	2·6	0	−0·06	0	−0·1	0
Calicut ...	29·876	−·016	S 81 E	5·7	79·5	73·6	90·6	+2·5	93·3	73·7	+0·8	70·6	74	−6	4·6	0	−0·16	0	−0·3	0
Cochin ...	29·869	−·020	N 76 E	5·1	80·2	75·1	86·3	−3·8	89·5	75·8	+1·7	72·1	78	+3	3·4	2·86	+2·07	2	+0·7	2·48
Trivandrum ...	29·674	−·034	N 69 E	3·6	77·7	73·6	85·2	−0·4	87·1	75·0	+1·3	72·6	82	+5	2·4	1·64	+1·33	1	−0·1	1·55
MADRAS, SOUTH EAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·31	+3·51	5	+3·6	2·00
Pamban ...	29·864	−·031	N 52 E	5·2	79·7	73·4	84·9	0	86·1	76·2	+1·5	71·9	73	−7	3·2	0·05	−0·68	0	−1·2	0·03
Madura ...	29·454	−·024	N 34 E	3·1	75·3	71·0	91·4	−0·4	94·1	71·7	+1·5	67·3	76	0	4·7	7·40	+7·04	1	+0·4	7·40
Negapatam ...	29·891	−·017	N 62 E	8·5	79·0	72·6	83·9	−1·2	86·3	75·8	+3·1	69·2	73	−5	4·2	0·49	−0·11	2	+1·2	0·28
Trichinopoly ...	29·679	−·016	N 22 E	2·6	78·8	71·7	91·7	−0·7	94·0	69·7	+0·8	65·2	69	−1	2·9	0·11	−0·45	1	+0·3	0·11
Coimbatore ...	28·569	−·029	N 42 E	2·5	74·1	69·9	89·5	−2·0	94·2	68·8	+2·8	65·5	80	0	4·7	0·42	+0·10	2	+1·4	0·18
Salem ...	29·006	−·018	N 45 E	6·2	76·1	68·5	92·4	−1·0	96·7	69·2	+2·7	65·0	66	−10	2·3	0	−0·27	0	−0·6	0
Cuddalore ...	29·899	−·011	N 34 W	3·7	75·0	72·9	84·3	−1·3	85·6	70·3	+0·5	65·3	86	0	3·9	2·08	+1·49	2	+0·8	1·20
Vellore ...	29·911	−·034	S 60 W	3·1	72·8	68·5	88·3	−1·0	92·6	68·8	+0·6	61·2	80	−3	3·5	0·51	+0·22	2	+1·5	0·25
Madras ...	29·893	−·040	N 75 W	6·6	76·0	72·4	84·9	−1·9	86·0	69·7	+1·0	64·8	84	+1	2·9	6·41	+6·09	3	+2·4	4·85
MADRAS, DECCAN																				
Cuddapah ...	29·431	−·016	S 73 E	...	79·5	69·6	92·1	−2·6	98·9	71·9	+2·6	69·2	53	−8	1·0	0·01	−0·13	0	−0·2	0·01
Bellary ...	28·425	−·026	S 33 E	2·9	73·3	64·8	90·6	−3·5	97·4	68·5	+2·1	62·0	63	+9	3·1	0·69	+0·53	2	+1·7	0·47
Kurnool ...	28·986	−·017	S 75 E	3·9	73·8	65·7	91·5	−2·3	98·4	68·1	+2·8	60·3	64	+3	2·7	0·53	+0·37	2	+1·7	0·29
MADRAS COAST NORTH																				
Nellore ...	29·871	−·011	S 39 W	3·1	74·8	71·0	87·6	−2·1	92·2	70·8	+1·3	67·6	82	−3	3·4	0·35	+0·23	1	+0·6	0·31
Masulipatam ...	29·933	−·023	N 22 E	4·1	76·4	71·5	83·9	−2·7	88·0	69·8	+1·2	64·8	78	−7	2·8	1·37	+0·55	2	+1·3	0·77
Cocanada ...	29·923	−·020	N 32 E	5·2	76·0	70·1	84·1	−1·6	92·3	70·0	+0·2	66·7	73	−5	3·5	0·05	−0·27	0	−0·5	0·02
Vizagapatam ...	29·914	−·009	N 46 W	4·8	74·5	69·7	82·2	−1·6	87·0	70·3	−0·8	67·2	78	+5	2·8	1·27	+0·42	2	+1·1	0·64
Calingapatam ...	29·938	−·008	N 42 W	5·0	71·8	68·5	84·3	−3·2	91·0	67·1	−0·6	62·3	84	+2	1·6	0·39	+0·06	3	+2·1	0·12
Gopalpur ...	29·903	−·001	N 9 E	5·5	72·5	67·9	82·9	−0·4	88·3	66·3	−1·1	60·8	78	0	1·4	0·22	−0·47	0	−1·1	0·06
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·397	−·037	Calm	1·2	50·3	49·2	75·9	+1·5	80·2	43·4	+0·1	37·9	93	−8	2·0	0	−0·17	0	−0·6	0
Shillong ...	25·116	−·035	S 76 W	1·7	50·2	45·4	62·1	−0·4	67·8	39·9	−3·2	39·2	79	+3	1·9	0	−1·20	0	−2·7	0
Cherrapunji ...	25·682	−·008	N 83 E	4·7	55·7	47·0	62·7	+0·7	68·4	47·5	−0·2	39·5	51	−18	2·5	0·07	−2·65	0	−3·6	0·07
Darjiling ...	22·914	+·015	N 36 E	2·5	41·9	39·4	48·8	−0·1	55·6	36·9	+0·8	32·7	81	−1	4·5	1·08	−0·02	2	−0·6	0·74
Muktesar ...	22·808	+·020	N 80 E	5·1	41·0	(j) 35·9	50·7	0	65·2	37·1	+1·7	26·3	(g) 51	−7	4·8	0·32	−2·17	0	−1·6	0·09
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−4·47	0	−5·3	0
Chakrata ...	23·361	+·038	N 70 E	6·8	42·9	(b) 37·6	52·2	+0·6	65·7	36·6	+0·6	35·4	(l) 47	14	4·7	0·56	−3·75	1	−1·9	0·24
Simla ...	23·056	+·014	N 89 E	2·5	41·1	(m) 35·6	48·0	+1·2	63·2	35·5	−0·4	29·7	(m) 48	8	4·0	0·69	−3·44	2	−0·8	0·24
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	...	0	...	0·05
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·86	...	7	...	0·70
Murree ...	23·909	−·033	S 26 E	6·3	41·3	(k) 37·6	44·8	−2·3	62·8	35·0	+0·6	14·8	(k) 53	−9	5·2	3·39	−0·84	6	+0·1	1·70
Cherat ...	25·752	+·039	(e) N 6 W	11·3	41·9	(f) 41·7	48·8	−3·4	62·8	(k) 33·4	−1·0	33·9	(f) 91	+37	6·1	0·35	−2·03	3	−1·3	0·35
Parachinar ...	24·450	+·027	S 45 W	1·6	35·2	...	48·5	−3·9	62·0	28·2	−2·7	13·0	(n) 72	0	4·6	2·12	−0·01	6	+1·1	0·57
Drosh ...	...	...	S 74 E	1·7	34·6	...	44·8	−4·9	59·0	31·6	−1·7	18·0	(b) 82	+11	6·7	1·83	+0·67	3	−0·1	1·15
Mount Abu ...	26·072	+·014	N 24 E	3·6	59·3	(e) 46·5	68·7	+0·9	81·8	52·7	−0·5	33·4	(e) 30	−9	3·3	0	−0·28	0	−0·6	0
Pachmarhi ...	26·473	+·002	S 30 E	2·9	60·1	(f) 54·7	72·0	−2·3	85·1	48·7	−2·3	30·6	(f) 64	+11	4·6	0·91	+0·28	2	+0·5	0·80
Mercara ...	26·207	−·011	N 67 E	4·8	66·3	65·0	80·9	0	86·0	59·8	+1·0	25·9	84	+11	5·1	0·08	−0·11	0	−0·5	0·05
Kodaikanal ...	22·796	−·008	N 50 E	6·7	54·9	48·5	61·3	−1·9	67·7	47·8	+0·3	44·7	65	+10	2·9	1·15	−0·23	4	+2·0	0·52
Coonoor ...	24·458	...	N 87 E	3·7	59·3	53·9	68·0	...	74·0	52·0	...	42·4	73	...	4·7	7·24	...	6	...	2·02
CEYLON																				
Colombo ...	29·860	−·023	N 45 E	2·5	72·3	70·2	86·4	−2·1	91·0	71·7	−0·7	67·0	89	+6	6·9	1·78	−0·33	4	+0·6	0·84

(a) Reports only rainfall. (e) Mean of 27 days. (f) Mean of 26 days. (j) Mean of 22 days. (k) Mean of 21 days. (b) Mean of 20 days. (m) Mean of 19 days. (o) Mean of 17 days. (n) Mean of 16 days.

MONTHLY WEATHER REPORT

FOR

March 1929

Supplement to the Indian Daily Weather Report for the 15th April 1929

Published by order of the Governor-General in Council

Summary.—The month was remarkable for abnormally dry weather over most of the country. The western disturbances were much less active than usual in northwest India, where weather was consequently very hot; two of these, however, developed during their passage eastwards and induced spells of wet weather over northeast India. Thunderstorms were comparatively frequent in Lower Burma and south Madras and the associated rainfall was in excess in those regions.

The depression over the United Provinces at the end of the previous month moved further eastwards and disappeared over Bihar after causing widespread rain in Assam and north Bengal on the 1st. Of the four western disturbances which entered northwest India during March, the first began to affect the frontier on the 4th, remained feeble till the 8th and appeared as a low pressure area over Sind on the 9th. By the next morning it intensified into a well-marked depression over the United Provinces where it filled up after two days. Associated with this disturbance widespread thundershowers with numerous hailstorms occurred over the region extending from the east United Provinces to Upper Burma between the 9th and 12th. Several heavy falls were recorded in south Bengal and Orissa on the 11th, the principal among them being Burdwan 4″, Barisal 3″ and Balasore 2″. A severe hailstorm passed over Calcutta on the night of the 11th and lasted for 45 minutes during which nearly 2″ of rain fell and the velocity of the maximum gust of the wind as recorded in the Alipore Observatory reached 42 miles per hour.

The second disturbance was feeble and the associated rainfall was confined to a few light showers on the frontier hills on the 16th and 17th. The third, which was fairly active, began to affect the frontier on the 21st, became marked as a depression over the Punjab on the 24th and lay as a trough of low pressure over the Gangetic plain till the 27th, after which it disappeared. It caused local rain along the frontier on the 21st and widespread rain in the extreme north with extensive duststorms from north Baluchistan to the east Punjab during the next three days. The disturbance was also responsible for fairly widespread thundershowers in Assam and north Bengal between the 21st and 27th with a heavy fall of 7″ at Shillong on the 24th. The last western disturbance produced local rain or snow in Kashmir on the 29th and 30th and moving rapidly eastwards through the United Provinces caused local rain in Assam with a few falls in Bengal on the 31st.

Weather was practically dry in the Peninsula during the first ten days, after which local thundershowers were fairly frequent in Malabar and southeast Madras. In Tenasserim thundershowers occurred almost uninterruptedly during the first three weeks and extended occasionally to Pegu. Weather became slightly unsettled in the south Bay of Bengal on the 20th but these conditions, though persisted for four days, did not develop further.

The month's rainfall was in moderate to large excess in the Bay Islands, Burma, Malabar and Madras Southeast. It was nearly normal in Bihar and the United Provinces East, in slight to moderate defect in Assam, Bengal, Orissa, the North-West Frontier Province, the Konkan and the Bombay Deccan and in large defect elsewhere. Averaged over the plains of India, the rainfall of the month was in defect by 34 per cent.

The month was characterized by the absence of any marked fluctuations in temperature; on the other hand, there was a prolonged spell of hot weather over northwest India lasting for about three weeks. Day temperature was slightly higher than usual in Upper Burma and parts of northeast India on the 2nd. During the next two days, maximum temperature was above normal along the frontier and in Gujarat and parts of the Punjab, and the minimum in Berar and Hyderabad North. In the whole of northwest India, maximum temperature was markedly above normal between the 5th and 24th and the minimum during the latter half of

the period, the excess in the former averaging 15° in Baluchistan and about 10° in the other sub-divisions. Day temperature was also above normal in Assam between the 6th and 8th and again between the 15th and 21st, in Bihar and Orissa between the 24th and 26th and in Bihar alone between the 19th and 23rd and again during the last four days of the month; it was high in the United Provinces and Central India between the 7th and 9th and on several days during the second fortnight, and low in northeast India and Upper Burma between the 11th and 13th. Minimum temperature was lower than usual in Central India East between the 3rd and 7th, in the United Provinces and northeast India on the 6th and in the Central Provinces and Hyderabad between the 12th and 14th, and above normal in the United Provinces between the 17th and 20th and in Central India East between the 22nd and 27th. On the mean of the month, maximum temperature was higher than usual in Assam, Bihar, the United Provinces, the Punjab, Kashmir, the North-West Frontier Province, Baluchistan, Sind, Rajputana, Gujarat, Central India, Berar, the Central Provinces West and the Konkan, and lower in the Bay Islands; the minimum was above normal in the Punjab, the North-West Frontier Province, Baluchistan, Sind, Rajputana West and the Konkan.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was about seven times the normal amount in the Bay Islands and in moderate to large excess in Burma. Cloud proportion was in excess in the Bay Islands and Lower Burma. Maximum temperature was below normal in the Bay Islands.

Northeast India, including Orissa.—Rainfall was nearly normal in Bihar, in slight defect in Bengal and in moderate to large defect elsewhere. Skies were less clouded than usual except in Assam. Humidity was in excess in Chota Nagpur. Maximum temperature was above normal in Assam and Bihar.

The United Provinces, Central India and the Central Provinces.—The month's rainfall was nearly normal in the United Provinces East and in large defect elsewhere, weather being wholly dry in Central India and the Central Provinces West. Cloudiness was less than usual throughout the division. Humidity was in defect and maximum temperature above normal by $2\frac{1}{2}°$ to 5°, except in the Central Provinces East.

Northwest India.—Rainfall was in moderate defect in the North-West Frontier Province, in large defect in the Punjab, Kashmir and Baluchistan and altogether absent in the other sub-divisions. Cloud proportion was in defect outside Sind and Gujarat. Humidity was markedly low except in Kashmir. Maximum temperature was $5\frac{1}{2}°$ to $9\frac{1}{2}°$ above normal in the division; the minimum was higher than usual by 2° to $5\frac{1}{2}°$ except in Kashmir, Rajputana East and Gujarat.

The Peninsula.—The month's rainfall was in large excess in Malabar and Madras Southeast and in moderate to large defect elsewhere, weather being completely dry in Mysore, the Madras Deccan and the Madras Coast North. Skies were more clouded than usual in Mysore, Malabar and Madras Southeast, and less clouded in the Bombay Deccan and Hyderabad. Humidity was in defect in the Bombay Deccan and Hyderabad. Both maximum and minimum temperatures were above normal in the Konkan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 8th April 1929.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	1·01	0·70	+0·31	+ 44	−0·4	+0·5	− 1	+1·2
Assam ...	2·53	3·93	−1·39	− 33	+2·7	+1·5	− 4	+0·1
Bengal ...	1·53	1·70	−0·17	− 10	+1·6	+0·7	− 1	−0·9
Bihar and Orissa ...	0·59	0·95	−0·36	− 38	+1·7	+0·6	0	−1·2
United Provinces ...	0·20	0·50	−0·30	− 60	+4·0	+1·3	− 6	−1·2
Punjab ...	0·05	0·97	−0·92	− 95	+6·7	+2·4	−12	−1·4
North-West Frontier Province.	1·11	1·63	−0·52	− 32	+7·9	+2·1	−13	−1·1
Sind ...	0	0·27	−0·27	−100	+5·3	+2·6	− 6	−0·3
Rajputana ...	0	0·19	−0·19	−100	+6·3	+1·5	−12	−1·8
Bombay ...	0·04	0·10	−0·06	− 60	+3·4	+1·8	− 5	−0·3
Central India ...	0	0·23	−0·23	−100	+4·1	+1·1	− 9	−1·5
Central Provinces ...	0·02	0·55	−0·53	− 96	+2·5	0	− 8	−1·0
Hyderabad ...	0·08	0·50	−0·42	− 84	+0·5	+0·1	− 1	−0·7
Mysore ...	0	0·36	−0·36	−100	+0·7	0	+ 1	+0·4
Madras ...	0·63	0·49	+0·14	+ 29	−1·2	+0·2	− 2	+0·4
Mean of India ...	0·49	0·74	−0·25	− 34	+2·6	+1·0	− 5	−0·5

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	5·09	0·74	+ 4·35	+588	−5·0	+1·2	− 3	+1·7
2. Lower Burma ...	1·28	0·84	+ 0·44	+ 52	−0·8	+0·5	− 1	+2·0
3. Upper Burma ...	0·67	0·50	+ 0·17	+ 34	+0·2	+0·5	− 2	+0·3
4. Assam ...	2·63	3·93	− 1·30	− 33	+2·7	+1·5	− 4	+0·1
5. Bengal ...	1·53	1·70	− 0·17	− 10	+1·6	+0·7	− 1	−0·9
6. Orissa ...	0·72	1·28	− 0·56	− 44	+1·0	+0·1	− 2	− 1·7
7. Chota Nagpur ...	0·38	1·11	− 0·73	− 66	+1·1	+0·7	+ 9	−1·0
8. Bihar ...	0·61	0·60	+ 0·01	+ 2	+2·4	+0·9	− 3	−1·0
9. United Provinces, East ...	0·34	0·37	− 0·03	− 8	+3·3	+1·4	− 5	−0·8
10. Do. do. West ...	0·08	0·62	− 0·54	− 87	+4·7	+1·3	− 8	−1·5
11. Punjab, East and North ...	0·06	1·11	− 1·05	− 95	+6·5	+2·1	−14	−1·6
12. Do. Southwest ...	0·03	0·72	− 0·69	− 96	+7·1	+2·8	−10	−1·1
13. Kashmir ...	1·81	3·98	− 2·17	− 55	+5·3	+0·5	− 3	−2·3
14. North-West Frontier Province ...	1·11	1·63	− 0·52	− 32	+7·9	+2·1	−13	−1·1
15. Baluchistan ...	0·09	1·27	− 1·18	− 93	+9·7	+5·3	−16	−1·4
16. Sind ...	0	0·27	− 0·27	−100	+5·3	+2·6	− 6	−0·3
17. Rajputana, West ...	0	0·17	− 0·17	−100	+6·8	+2·7	−15	−1·9
18. Do. East ...	0	0·19	− 0·19	−100	+5·9	+0·7	−11	−1·8
19. Gujarat ...	0	0·09	− 0·09	−100	+5·3	+1·9	− 6	−0·2
20. Central India, West ...	0	0·07	− 0·07	−100	+3·1	+1·5	−12	−1·1
21. Do. do. East ...	0	0·39	− 0·39	−100	+5·1	+0·9	− 7	−1·9
22. Berar ...	0·05	0·34	− 0·29	− 85	+2·7	+1·5	− 5	−1·1
23. Central Provinces, West ...	0	0·42	− 0·42	−100	+2·9	−0·2	−14	−1·1
24. Do. do. East ...	0·03	0·85	− 0·82	− 96	+1·7	−0·3	0	−0·7
25. Konkan ...	0·02	0·03	− 0·01	− 33	+2·5	+2·6	+ 2	−0·2
26. Bombay Deccan ...	0·10	0·17	− 0·07	− 41	+1·3	+1·4	− 6	−0·4
27. Hyderabad, North ...	0·05	0·59	− 0·54	− 92	+1·2	+1·9	− 7	−0·9
28. Do. South ...	0·10	0·43	− 0·33	− 77	+0·2	−0·7	+ 1	−0·5
29. Mysore ...	0	0·36	− 0·36	−100	+0·7	0	+ 1	+0·4
30. Malabar ...	1·67	1·04	+ 0·63	+ 61	+0·3	+0·4	− 2	+1·1
31. Madras, Southeast ...	0·79	0·43	+ 0·36	+ 84	−1·7	+0·7	− 2	+0·6
32. Do. Deccan ...	0	0·22	− 0·22	−100	−1·8	−0·8	− 3	+0·1
33. Do. Coast North ...	0	0·37	− 0·37	−100	−1·2	−0·2	0	−0·4

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	[illegible]	+·009	N 17 E	2·9	83·8	76·1	87·3	+3·1	89·4	77·5	+1·2	75·3	81	−3	4·9	5·49	+1·35	9	8·0	1·12
LOWER BURMA																				
Victoria Point (c) ...	29·731	+·009	N 51 E	(c) 5·4	79·4	74·9	87·1	+3·2	90·2	75·7	−0·3	73·2	80	+1	5·4	2·14	+0·86	4	+1·6	0·73
Mergui ...	29·833	+·008	...	...	77·2	74·5	89·5	+1·5	93·7	71·8	−0·8	67·3	88	+5	4·8	1·20	−1·92	4	−0·6	0·81
Tavoy ...	29·893	+·007	E	1·9	79·4	73·0	92·1	1·9	95·1	69·9	−1·0	62·5	81	−2	5·9	4·12	+2·53	4	+1·8	1·83
Amherst ...	29·841	...	S 38 E	6·0	80·3	73·7	89·1	...	93·2	71·6	...	68·1	72	...	5·2	0·39	...	2	...	0·22
Rangoon ...	29·885	+·012	N 60 E	3·3	77·3	73·0	91·6	+1·3	98·5	73·1	+1·9	66·8	81	−1	6·6	0·42	+0·10	2	1·1	0·24
Bassein ...	29·877	+·018	N 16 W	2·5	78·5	73·9	95·0	+0·8	100·2	72·5	+1·4	67·0	79	−5	5·0	0	−0·17	0	−0·2	0
Diamond Island ...	29·846	−·004	N 7 W	5·7	79·9	75·5	85·9	+0·9	91·5	77·3	+1·9	74·0	81	+5	4·1	1·41	+1·24	2	+1·8	0·96
Toungoo ...	29·724	+·002	...	...	79·6	71·7	96·8	−0·4	100·9	70·9	+2·3	60·6	56	−8	3·1	2·23	+1·91	3	+2·1	1·45
Kyaukpyu ...	29·879	+·036	N 68 E	2·1	76·7	74·7	85·0	0·3	88·8	70·1	0	62·8	91	+7	4·6	0	−0·39	0	0·5	0
Akyab ...	29·892	+·015	N 37 E	6·1	71·9	70·3	87·5	−1·0	91·2	67·2	−1·3	58·3	79	−4	5·0	0	−0·49	0	−0·7	0
UPPER BURMA																				
Minbu (e) ...	29·778	+·013	S 45 E	3·1	77·3	65·7	97·1	−1·3	106·5	70·0	+0·6	62·0	51	−5	2·1	0	−0·29	0	0·4	0
Yamethin ...	29·240	+·032	(f) S 4 E	(k) 0·2	(b) 76·3	(b) 67·8	(b) 95·9	+1·9	102·3	(b) 69·3	+0·6	59·3	(b) 63	+1	2·0	2·63	+2·26	2	+1·5	2·49
Mandalay ...	29·611	+·025	S 29 W	1·9	(b) 75·0	(b) 64·9	(b) 98·1	0	106·0	(b) 68·9	+0·6	60·7	(b) 57	+4	1·9	0·33	+0·14	1	+0·5	0·33
Monywa ...	29·621	+·018	N 5 W	2·2	75·6	65·3	97·1	+0·6	106·4	67·6	+0·3	61·4	55	−3	2·1	0	−0·35	0	−0·9	0
Lashio (b) ...	27·118	+·033	N	(d) 2·4	65·0	58·6	84·5	−1·1	91·6	56·6	+0·7	51·2	68	−2	3·1	0·15	−0·41	0	1·3	0·08
Bhamo ...	29·519	+·068	N 33 E	2·0	68·5	63·6	89·3	+1·3	97·3	59·6	+0·1	51·4	76	−6	3·4	0·84	+0·09	2	0	0·15
Myitkyina ...	29·450	+·033	N 55 E	(b) 2·5	67·9	63·0	88·1	+3·6	94·6	61·7	+0·7	55·9	76	3	3·4	0·71	−0·29	3	+0·1	0·27
ASSAM																				
Dibrugarh ...	29·503	+·035	S 87 E	0·5	67·8	63·4	81·5	3·7	92·4	61·5	+0·5	55·4	78	−9	4·7	2·43	−2·16	7	−2·2	0·81
Sibsagar ...	29·616	+·039	N 68 E	1·7	67·1	61·0	81·8	+3·2	91·7	60·8	+1·0	54·9	85	−6	8·5	3·45	−1·33	6	−3·3	1·52
Tezpur ...	29·685	+·043	N 18 E	1·4	68·8	64·4	85·4	+2·8	93·9	63·2	+1·4	58·0	78	−3	3·9	2·50	+0·22	7	+1·9	0·81
Gauhati ...	29·745	+·039	N 83 E	1·4	69·6	65·1	86·1	+1·2	95·0	61·6	+1·9	52·8	81	+2	3·8	3·02	+0·73	5	+0·7	0·72
Dhubri ...	29·799	+·039	N 83 E	5·3	71·7	66·4	86·4	+0·5	95·2	65·5	+2·6	56·4	74	−1	0·8	2·52	+0·76	4	+1·5	1·07
Silchar ...	29·831	+·021	S 81 E	1·6	71·3	66·1	90·4	+1·5	96·0	64·0	+0·9	55·8	75	−6	3·4	1·88	−6·03	5	+1·4	0·59
BENGAL																				
Cox's Bazar ...	29·879	+·014	S 27 E	2·7	75·3	70·7	85·4	−1·0	93·3	(g) 68·0	+1·2	57·4	79	−4	2·3	0·07	−1·45	0	−1·7	0·07
Chittagong ...	29·827	+·017	S 72 E	(c) 4·6	74·4	69·4	88·7	+1·9	95·0	67·1	−0·2	58·8	77	−5	3·5	1·24	−1·32	1	−1·8	1·20
Narayanganj ...	29·878	+·023	S 6 E	2·9	74·7	69·3	92·1	+2·8	97·4	68·4	+0·3	58·4	75	−6	3·2	1·07	−1·62	1	−2·6	0·95
Barisal ...	29·882	+·015	S 14 W	2·9	75·9	71·0	90·4	+1·3	91·8	68·9	+0·2	58·9	78	−5	2·9	2·72	+0·50	1	−2·6	2·70
Jessore ...	29·871	+·026	S 45 W	2·3	74·8	70·4	93·1	+1·9	103·5	66·1	−1·5	51·7	80	+1	1·1	1·44	−0·67	1	−2·2	1·44
Calcutta ...	29·870	+·017	S 51 W	3·3	74·3	70·5	92·4	+1·4	105·0	70·2	+0·8	59·0	82	+2	1·7	2·59	+1·15	2	−0·4	2·44
Saugor Island ...	29·850	+·007	S 72 W	10·6	79·1	74·1	85·2	−1·7	90·6	73·9	−0·5	61·5	78	−5	2·6	1·47	+0·04	1	−1·0	1·47
Burdwan ...	29·793	+·023	S 72 W	1·8	71·5	68·0	94·1	+1·0	101·8	67·5	−0·3	56·6	70	+2	1·3	4·56	+2·80	1	−1·6	4·50
Berhampore (b) ...	29·810	+·036	S 18 W	2·0	75·6	67·9	94·8	+3·1	104·6	64·9	−0·7	53·8	66	−3	1·6	0·87	−0·20	2	0	0·65
Mymensingh ...	29·658	+·037	S 83 E	1·4	71·8	67·1	91·1	+3·8	99·2	66·2	+1·6	55·1	77	−2	3·4	0·75	−1·34	2	−1·5	0·43
Bogra ...	29·830	+·036	S 77 E	1·3	73·6	68·3	91·9	+1·8	102·0	61·9	+1·2	53·9	75	+2	1·5	0·62	−0·62	3	+0·9	0·35
Dinajpur ...	29·764	+·028	N 67 E	2·1	72·[illegible]	(h) 66·1	89·9	+0·9	98·8	63·6	+3·0	53·0	(h) 75	+7	1·9	0·12	−0·33	1	−0·5	0·32
Jalpaiguri ...	29·615	+·021	N 65 E	1·4	69·7	64·4	87·7	+3·0	94·5	62·9	+3·1	55·5	74	−3	1·5	2·10	+0·74	6	+3·6	0·45
ORISSA																				
Balasore ...	29·832	+·022	S 52 W	4·9	75·8	71·5	92·8	+0·5	103·2	70·5	+1·2	62·7	69	−6	6·9	1·90	−0·08	1	−2·3	1·87
Hukitala (False Point)	29·871	+·020	S 48 W	8·9	...	...	...	...	...	...	...	...	...	...	1·4	0·97	−0·11	1	−0·5	0·97
Cuttack ...	29·817	+·026	S 27 W	1·8	75·6	72·3	97·8	+1·2	107·4	71·8	−0·6	67·3	85	+7	2·2	0	−1·11	0	−1·6	0
Sambalpur ...	29·396	+·004	S 53 E	1·8	78·9	66·6	97·2	+1·4	106·4	66·7	−0·4	55·8	50	−6	0·3	0	−0·91	0	−1·8	0
CHOTA NAGPUR																				
Chaibasa ...	29·110	+·016	S 40 W	2·5	73·5	66·7	95·1	+1·3	105·0	66·7	+1·5	55·7	69	+7	1·4	0·10	−0·90	0	−2·1	0·06
Ranchi ...	27·734	+·022	S 27 W	3·2	74·0	63·8	87·8	+0·8	95·5	63·6	0	53·4	56	+11	0·5	0·47	−0·83	1	−1·7	0·47
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·56	−0·48	1	−1·0	0·56

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 27 days. (f) Mean of 26 days. (h) Mean of 24 days. (k) Mean of 21 days. (g) Mean of 13 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·767	+·027	N 75 E	1·8	72·9	64·5	91·4	+2·1	100·3	61·5	+1·5	48·5	62	-6	1·3	0·16	-0·30	1	-0·2	0·16
Darbhanga ...	29·711	+·019	N 75 E	2·6	72·9	63·9	90·9	+3·2	101·4	61·9	+0·3	46·9	60	-3	1·1	0·20	-0·30	1	-0·2	0·13
Patna ...	29·698	+·020	S 63 E	4·3	72·8	62·3	(b) 92·0	+2·5	103·3	65·1	+1·2	53·0	53	+1	0·5	0·77	+0·20	2	+0·9	0·66
Gaya ...	29·593	+·009	S 31 E	1·3	76·1	61·9	91·9	+2·6	106·3	67·1	+1·4	57·9	43	-10	0·1	0·66	+0·18	2	+0·8	0·36
Naya Dumka ...	29·384	+·015	S 45 E	2·0	74·1	63·8	92·8	+1·6	103·8	64·5	-0·1	53·3	54	+4	0·8	1·28	+0·27	2	+0·2	0·79
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·631	+·041	S 87 E	2·0	71·7	61·7	92·7	+3·1	102·9	60·9	-0·7	52·1	51	-3	0·7	0·30	-0·09	1	+0·2	0·17
Benares ...	29·611	-·007	S 1 W	4·4	72·3	60·9	93·5	+1·9	105·1	61·8	+0·5	50·6	50	-5	0·7	0	-0·36	0	-0·9	0
Allahabad ...	29·550	-·011	S 24 W	4·2	71·2	60·6	91·9	+3·0	105·3	62·4	+0·7	51·9	43	-4	0·9	0	-0·21	0	-0·8	0
Cawnpore ...	29·442	-·005	S 76 W	2·4	74·6	61·0	95·2	+5·3	106·6	63·5	+3·0	51·4	42	-7	0·6	0·02	-0·28	0	-0·8	0·02
Lucknow ...	29·469	-·026	S 11 W	1·6	73·1	61·0	93·6	+2·0	105·2	62·5	+2·2	53·5	48	-3	0·8	0·22	-0·13	1	0	0·19
Bahraich ...	29·447	+·008	N 85 E	2·8	69·9	60·0	91·1	+3·3	102·6	61·5	+2·6	43·7	54	-7	1·7	1·51	+1·02	2	+1·1	1·25
UNITED PROVINCES, WEST																				
Jhansi ...	29·049	-·014	S 67 W	2·9	76·3	56·9	95·6	+3·1	104·9	63·9	-1·5	53·0	21	-18	0	0	-0·29	0	-0·9	0
Agra ...	29·307	-·016	S 81 W	4·6	71·9	56·2	94·2	+4·0	104·1	58·4	+2·6	45·7	33	-7	0·2	0	-0·35	0	-1·0	0
Mainpuri ...	29·348	+·001	S 75 W	2·1	72·3	59·4	93·4	+5·2	105·2	58·6	0	46·4	43	-9	0·4	0	-0·22	0	-0·9	0
Bareilly ...	29·296	+·020	N 30 W	0·9	68·7	60·3	91·9	+4·9	102·9	61·6	+3·1	50·1	60	-2	1·0	0	-0·68	0	-1·4	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·16	-0·46	1	-0·6	0·16
Roorkee (b) ...	28·953	+·005	N 23 E	2·8	67·9	57·7	89·8	+5·6	98·7	57·3	+2·0	41·9	52	-10	1·4	0·02	-0·83	0	-1·7	0·02
Dehra Dun (a) ...	27·628	+·015	N 24 E	1·8	61·9	53·4	84·8	+5·5	91·6	56·1	+1·5	43·8	56	-2	1·9	0·37	-0·88	1	-1·8	0·37
PUNJAB, EAST AND NORTH																				
Delhi ...	29·142	-·005	W	2·7	70·1	57·6	91·3	+5·3	101·4	66·0	+1·4	47·9	43	-9	0·5	0	-0·52	0	-1·4	0
Hissar ...	29·126	-·022	S 37 E	3·8	68·6	55·7	94·3	+7·3	103·[illegible]	59·0	+2·3	47·2	41	-16	0·3	0	-0·42	0	-0·9	0
Ambala ...	28·956	0	N 77 E	3·4	66·9	55·9	91·2	+7·8	100·6	58·7	+2·7	47·1	47	-16	2·1	0	-0·90	0	-2·1	0
Ludhiana ...	29·041	-·003	N 10 E	2·1	66·1	55·7	90·6	+7·7	98·7	58·2	+1·2	46·6	48	-14	1·9	0·02	-1·04	0	-2·1	0·02
Lahore ...	29·160	-·006	N 11 E	1·9	65·9	57·4	89·1	+5·8	96·3	57·3	+2·7	43·0	57	-9	2·6	0·01	-0·85	0	-1·9	0·01
Sialkot ...	29·045	+·008	N 19 E	1·6	64·8	56·2	85·2	+4·8	92·5	54·0	-0·6	42·3	57	-12	1·4	0·16	-1·42	1	-2·2	0·11
Rawalpindi ...	28·214	+·010	N 39 E	1·5	62·0	52·5	81·9	+6·2	90·5	52·5	+2·2	41·5	56	-19	1·5	0·92	-2·22	2	-2·7	0·12
PUNJAB, SOUTHWEST																				
Khushab ...	29·280	+·002	N 50 E	3·6	67·1	53·7	89·2	+8·6	97·0	58·7	+2·6	45·2	37	-19	2·6	0·12	-1·93	1	-1·6	0·12
Lyallpur ...	29·271	0	N 61 E	1·7	63·8	55·2	87·2	+5·7	95·0	55·8	+2·1	42·4	55	-13	3·4	0·01	-0·79	0	-2·3	0·01
Montgomery ...	29·307	-·011	N 51 E	3·0	68·3	58·4	90·2	+6·2	98·1	58·6	+2·9	44·4	52	0	1·8	0·01	-0·48	0	-1·5	0·01
Multan ...	29·190	-·013	N 1 E	1·7	67·1	57·1	93·1	+7·9	102·1	61·6	+3·2	48·9	51	-7	1·2	0	-0·43	0	-1·1	0
Khanpur ...	29·579	...	N 23 E	0·4	79·7	59·6	96·6	...	101·2	55·0	...	41·5	49	...	1·1	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·970	+·075	S 55 E	3·5	45·0	42·8	63·7	+8·6	71·0	38·8	+1·6	31·7	84	-2	3·1	1·34	-2·29	4	-4·0	0·78
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·67	-8·77	7	-7·6	1·63
Dras ...	20·894	+·130	S 23 W	0·4	10·8	...	30·6	-1·0	40·2	4·6	+1·7	-21·0	...	...	3·1	3·03	-1·17	6	-4·8	1·67
Leh ...	19·758	+·121	S	3·3	30·4	...	49·4	+4·9	58·9	23·2	+2·3	12·4	...	...	4·2	0·26	+0·08	1	0	0·28
Skardu ...	22·967	+·104	Calm	0·6	39·9	(f) 34·1	56·1	+6·2	67·5	25·4	-7·0	15·5	(f) 31	...	4·2	0·34	-0·49	2	-0·8	0·16
Gilgit ...	25·228	+·070	S 81 W	1·1	54·1	41·3	69·8	+7·9	79·0	48·6	+3·8	38·6	43	-5	4·2	0·14	-0·36	1	-0·6	0·14
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·750	-·058	S 12 E	(b) 2·4	63·7	55·2	83·7	+8·8	92·2	53·7	+2·2	43·0	55	-16	4·0	2·18	-0·07	2	-2·4	1·07
Dera Ismail Khan ...	29·322	+·001	N 5 E	2·1	67·5	58·0	88·8	+7·0	97·0	57·1	+2·0	41·3	55	-11	1·7	0·05	-0·97	0	-2·3	0·03
BALUCHISTAN																				
Fort Sandeman ...	25·446	+·068	S 56 E	3·3	53·3	43·7	79·5	+8·8	86·9	49·1	+5·0	37·4	43	-16	2·0	0·01	-1·57	0	-3·5	0·01
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·16	-1·45	1	-9·7	0·16
Quetta ...	24·725	+·110	S 2 E	4·3	47·9	(e) 49·2	73·6	+10·0	83·2	42·6	+3·8	29·9	(e) 41	-23	2·5	0·95	-1·83	0	-5·0	0·05
Chaman ...	25·684	+·008	S 47 E	1·5	58·2	45·9	76·4	+11·5	84·9	54·5	+9·8	37·2	36	-22	2·8	0·35	-1·30	1	-3·5	0·31
Kalat ...	23·768	+·039	S 4 W	5·5	41·3	(g) 38·5	69·2	+7·1	77·0	35·8	+2·8	22·2	(g) 63	-4	1·3	0	-1·07	0	-3·2	0
Dalbandin ...	27·113	-·002	N 56 E	4·4	57·2	(b) 47·0	88·0	+11·0	95·3	52·1	+5·1	33·1	(b) 41	-16	0·7	0	-0·58	0	-2·0	0
Mirjawa ...	27·143	...	N 78 W	6·5	56·0	(b) 45·2	86·4	...	96·7	53·7	...	35·7	(b) 36	...	2·3	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (e) Mean of 27 days. (g) Mean of 25 days. (f) Mean of 12 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·[illegible]	-·005	N 88 E	6·3	72·6	[illegible]	98·0	+7·4	104·1	64·6	+4·2	47·5	33	-13	0·7	0	0·21	0	[illegible]	0
Hyderabad ...	[illegible]	-·015	S 58 W	3·7	74·6	62·3	98·4	+0·4	105·3	65·0	+1·7	57·8	47	-5	2·3	0	-0·24	0	-0·6	0
Karachi ...	[illegible]	026	N 56 W	7·1	75·4	66·9	81·2	-2·4	95·0	69·5	+1·5	60·6	69	1	2·8	0	-0·33	0	-0·7	0
RAJPUTANA, WEST																				
Bikaner ...	29·[illegible]	-·012	S 23 E	4·7	72·3	54·2	95·0	+0·3	107·8	65·2	+2·2	50·6	25	-12	0·8	0	-0·25	0	-0·6	0
Jodhpur ...	29·[illegible]	-·007	N 24 E	1·5	74·7	54·7	98·2	+7·5	105·6	66·0	+3·3	58·0	20	-12	0·7	0	-0·09	0	-0·2	0
RAJPUTANA, EAST																				
Jaipur ...	28·[illegible]	+·009	N 47 E	2·9	76·8	58·0	95·6	+6·5	102·8	63·1	+2·6	51·2	28	-13	0·2	0	0·37	0	-0·9	0
Ajmer ...	28·298	+·009	N 21 W	3·2	73·8	56·5	93·7	+5·5	100·5	60·0	-0·3	48·3	30	-18	0·4	0	0·19	0	-0·7	0
Kotah ...	29·[illegible]	-·008	N 53 W	2·2	78·6	61·3	96·4	+5·7	105·0	65·7	-0·2	52·6	33	-1	0·3	0	-0·12	0	-0·3	0
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·10	0	-0·3	0
GUJARAT																				
Deesa ...	29·418	-·013	N 52 E	6·4	81·4	59·6	103·2	+7·4	107·2	62·6	0·5	52·1	21	-10	0·6	0	-0·08	0	-0·2	0
Bhuj ...	29·539	-·023	N 53 W	3·4	77·0	63·1	98·2	+5·2	103·3	63·5	-1·3	51·0	41	20	0·3	0	-0·12	0	-0·2	0
Dwarka ...	29·865	-·033	N 28 W	8·5	75·2	71·4	81·8	+2·9	96·1	71·1	+0·6	62·2	78	+4	1·5	0	-0·20	0	-0·4	0
Rajkot ...	29·412	-·032	N 27 W	5·4	75·5	63·7	101·7	+6·8	106·1	61·4	+2·5	58·5	51	-10	7·2	0	-0·07	0	-0·1	0
Veraval ...	29·571	-·029	N 21 W	5·6	75·1	65·6	88·7	+3·8	102·2	69·1	+5·6	61·3	60	-5	0·3	0	-0·07	0	-0·2	0
Surat ...	29·547	-·025	N 18 E	2·6	79·4	69·1	101·6	+5·7	106·5	70·7	+1·3	65·2	56	-4	0·7	0	-0·02	0	-0·1	0
Bhavnagar ...	29·839	-·052	N 56 W	3·8	78·0	67·3	100·2	+5·2	107·1	67·8	+2·0	61·1	55	0	0·6	0	-0·10	0	-0·2	0
Ahmadabad ...	29·795	-·018	N 9 E	5·8	78·8	65·9	102·6	+5·7	107·0	71·1	+1·9	66·2	18	+4	0·3	0	-0·08	0	-0·3	0
CENTRAL INDIA, WEST																				
Neemuch ...	28·284	+·017	N 15 E	1·5	78·5	66·1	96·5	+3·7	100·7	65·3	+2·2	51·0	36	-9	0·3	0	-0·08	0	-0·3	0
Indore ...	28·070	+·010	N 72 E	2·8	76·9	57·5	91·8	+2·6	100·3	61·2	+0·7	52·0	25	-15	0·6	0	-0·06	0	-0·1	0
CENTRAL INDIA, EAST																				
Nowgong ...	29·110	-·009	S 43 W	1·6	70·6	59·1	97·5	+5·9	103·8	56·6 (g)	-1·7	46·6	49	0	0·3	0	-0·29	0	-0·7	0
Satna ...	28·[illegible]	+·007	S 14 W	3·2	77·3	59·1	91·8	+4·3	101·1	54·9	+3·4	54·0	30	-13	0·5	0	-0·48	0	1·1	0
BERAR																				
Akola ...	28·935	-·017	S 52 E	2·1	78·8	59·5	102·8	+4·0	108·6	66·5	+0·7	56·5	26	-7	0·6	0·11	-0·26	1	+0·3	0·11
Amraoti ...	28·[illegible]6	-·003	N 10 E	4·8	82·5	61·4	99·0	+1·4	106·3	71·3	+2·2	62·2	34	-2	0·4	0	-0·31	0	-0·8	0
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·[illegible]	-·018	N 24 W	5·7	77·1	57·8	101·8	+4·6	106·2	63·2	-1·5	53·6	24	-11	0·2	0	-0·14	0	-0·4	0
Hoshangabad ...	28·887	+·005	N 61 E	2·4	76·0	57·0	98·5	+3·7	104·1	63·8	-0·2	55·3	24	-20	0	0	-0·25	0	-0·5	0
Saugor ...	28·469	031	S 45 E	1·4	78·4	56·2	93·4	+2·5	100·2	66·7	+2·0	53·6	20	-15	0·5	0	-0·35	0	-0·5	0
Jubbulpore ...	28·638	0	S 9 E	1·5	72·4	57·6	94·7	+2·9	102·8	59·6	-0·9	49·7	57	-11	0·3	0	-0·57	0	-1·5	0
Seoni ...	27·847	-·006	N [illegible] E	2·7	77·0	58·9	91·0	+1·7	102·4	63·1	+0·6	54·5	27	-14	0·5	0·01	-0·36	0	-1·8	0·01
Nagpur ...	28·067	+·012	N 27 E	2·6	78·8	59·3	99·1	+2·0	105·5	65·7	+1·5	55·6	25	-14	1·6	0	-0·52	0	-1·3	0
CENTRAL PROVINCES, EAST																				
Pendra ...	27·941	-·002	N 81 W	5·7	73·5	59·5	91·1	+3·5	100·6	61·6	+1·1	51·0	42	-1	1·1	0	-1·34	0	-2·8	0
Raipur ...	28·[illegible]	+·003	S 41 W	1·4	78·6	62·8	97·7	+2·4	105·6	68·5	+0·5	60·7	38	-5	0·7	0·01	-0·68	0	-1·6	0·01
Kanker ...	28·573	...	N 67 E	3·0	78·6	61·6	95·4	...	100·0	63·7	...	54·3	45	...	0·6	0·03	...	0	...	0·03
Chanda ...	29·231	-·007	S 75 E	1·0	79·2	66·0	100·1	+0·9	103·0	66·0	-0·3	54·6	47	+2	0·4	0·08	-0·52	0	-1·3	0·08
Jagdalpur ...	28·061	-·013	S 17 W	2·3	83·9	65·6	95·9	+0·1	100·4	63·3	-1·7	53·2	62	+2	0·9	0·02	-0·43	0	-1·1	0·02
KONKAN																				
Bombay ...	29·812	-·028	N 70 E	5·6	79·5	74·1	89·7	+3·9	96·2	75·0	+3·1	70·7	77	+3	0·8	0·02	-0·05	0	-0·1	0·02
Ratnagiri ...	29·662	-·022	N 89 E	5·0	80·9	73·8	88·2	+1·1	93·0	74·1	+2·1	69·6	70	+2	0·6	0	-0·01	0	0	0
Marmagao ...	29·865	-·028	S [illegible] W	1·1	...	...	...	...	...	...	...	...	...	...	3·5	0·05	+0·03	0	-0·1	0·05
Karwar ...	29·841	-·011	N 6 W	2·4	76·9	73·7	85·8	+2·1	91·0	74·0	+1·9	68·0	84	+1	1·1	0	0	0	0	0
BOMBAY DECCAN																				
Malegaon ...	28·453	-·006	S 86 W	3·7	78·9	58·1	100·3	+2·7	104·9	63·0	-0·1	56·2	23	-17	0·4	0	-0·07	0	-0·3	0
Ahmadnagar ...	27·751	+·002	N 52 W	3·5	79·7	57·9	96·7	+1·9	101·3	65·5	+3·0	57·1	21	-20	0	0	-0·16	0	-0·3	0
Poona ...	28·645	-·008	N 67 W	1·8	74·2	60·2	98·9	+1·8	103·5	64·6	+1·8	59·6	42	-4	0·4	0	-0·06	0	-0·2	0
Sholapur ...	28·513	+·006	S 35 E	3·1	81·7	66·2	99·0	+0·8	105·2	70·7	+1·6	60·3	36	+3	1·2	0	-0·19	0	-0·4	0
Bijapur ...	27·950	+·013	S 27 W	3·1	80·8	64·9	96·5	-0·5	102·6	71·9	+0·9	62·0	40	-7	1·2	0	-0·26	0	-0·8	0
Belgaum ...	27·247	+·004	N 27 E	2·6	71·1	61·3	94·5	+0·8	98·8	65·0	+1·3	59·5	53	+7	0·9	0·59	+0·32	1	+0·3	0·50
HYDERABAD, NORTH																				
Aurangabad ...	27·989	-·015	N 86 E	5·4	79·4	57·9	97·5	+1·6	101·9	68·2	+2·2	50·0	22	-9	0·5	0·15	-0·09	1	+0·5	0·15
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-1·07	0	-1·3	0
Nizamabad ...	28·613	-·027	N 18 W	1·4	78·7	64·2	99·1	-0·8	106·4	69·8	+1·5	60·1	43	-4	0·3	0	-0·47	0	-0·9	0

(a) Reports only rainfall. (g) Mean of 25 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·397	+·025	S 17 E	5·3	81·5	64·9	99·5	+0·1	106·2	69·8	−0·7	59·4	38	−6	1·2	0·49	+0·33	1	+0·3	0·35
Raichur ...	28·572	+·018	S 9 E	5·4	81·5	69·0	98·7	+0·1	104·6	73·0	−0·8	68·4	51	+4	0	0	−0·24	0	−0·5	0
Hyderabad ...	28·178	+·017	S 39 E	1·8	76·9	66·0	98·9	+1·3	105·9	69·8	−0·3	62·4	55	0	1·0	0	−0·72	0	−1·0	0
Hanamkonda ...	29·001	0	S 44 E	5·4	77·4	70·3	96·5	−0·6	103·2	70·9	−1·9	62·8	69	+7	1·3	0	−0·39	0	−0·7	0
MYSORE																				
Chitaldrug ...	27·503	+·005	S 9 W	5·5	77·2	64·8	95·7	+1·1	101·1	71·0	+0·8	66·5	51	+2	1·2	0	−0·25	0	−0·6	0
Bangalore ...	26·926	+·010	S 57 E	6·0	73·2	64·5	92·0	+0·9	98·1	63·9	−0·9	57·8	61	−2	0·8	0	−0·50	0	−0·9	0
Mysore ...	27·387	−·018	S 38 E	5·2	72·4	66·4	93·7	+0·2	98·0	67·4	0	62·9	72	+4	3·8	0	−0·34	0	−0·6	0
MALABAR																				
Mangalore ...	29·808	−·012	N 84 E	3·9	82·5	76·1	90·4	+0·7	98·1	76·6	+1·5	72·4	71	+2	1·9	0·15	+0·37	1	+0·8	0·45
Calicut ...	29·859	0	N 66 E	5·5	82·6	75·7	92·6	+2·8	94·1	76·0	0	73·1	71	−6	3·8	1·45	+0·98	5	+1·3	0·64
Cochin ...	29·871	−·006	N 69 E	4·4	82·8	75·9	88·7	−2·6	91·9	76·7	0·6	71·2	72	−4	3·0	3·95	+1·95	5	+2·2	2·14
Trivandrum ...	29·658	−·020	N 37 E	4·3	80·2	75·1	87·7	+0·1	89·1	77·3	+0·8	73·5	78	+1	4·3	0·83	−0·70	2	−0·6	0·53
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·88	+0·33	5	+1·1	0·87
Pamban ...	29·839	−·011	N 51 E	5·7	81·7	75·2	87·2	−1·7	90·2	78·4	+2·0	73·9	73	−4	3·6	0·23	0·39	1	−0·3	0·13
Madura ...	29·433	+·002	N 22 E	4·2	80·1	73·5	95·1	−1·3	98·4	74·2	+1·0	67·2	72	−1	4·9	2·22	−1·71	2	+1·2	1·62
Negapatam ...	29·872	+·010	N 61 E	7·8	81·7	76·1	86·1	−2·8	91·1	78·1	+2·1	71·7	76	0	4·6	1·69	+1·35	1	+0·3	1·69
Trichinopoly ...	29·655	+·007	N 26 E	3·1	82·1	73·8	96·0	−1·7	101·3	73·1	+0·3	63·4	66	−7	4·0	0	−0·43	0	−0·6	0
Coimbatore ...	28·551	−·002	N 36 E	2·6	78·1	73·6	91·1	−2·9	98·1	70·9	+1·0	63·0	81	+3	3·1	1·12	+0·64	1	0	1·12
Salem ...	28·985	+·007	N 15 E	6·5	79·0	70·9	96·7	−1·8	101·0	71·1	0	63·9	65	−8	1·5	0·04	−0·41	0	−0·9	0·02
Cuddalore ...	29·877	+·018	N 53 W	4·5	79·0	74·8	87·3	−1·8	93·8	73·1	−0·6	65·5	82	0	3·7	0	−0·17	0	−0·3	0
Vellore ...	29·192	0	S 19 W	3·4	75·8	70·7	92·9	−1·9	99·7	69·0	−0·7	60·9	76	−1	2·7	0·71	+0·47	1	+0·7	0·71
Madras ...	29·872	−·006	S 74 W	6·7	79·6	75·0	89·2	−0·6	93·2	72·0	−0·3	65·2	80	+1	2·0	0·01	−0·18	0	−0·3	0·01
MADRAS, DECCAN																				
Cuddapah ...	29·456	+·014	S 57 E	...	82·9	72·3	99·3	−2·2	106·8	73·7	−1·1	61·8	58	−1	1·5	0	−0·21	0	−0·2	0
Bellary ...	28·396	−·002	S 2 E	3·3	78·9	64·3	97·7	−2·6	102·8	72·1	−0·1	68·9	43	−1	1·0	0	−0·29	0	−0·6	0
Kurnool ...	28·948	+·005	S 59 E	3·9	79·6	67·1	99·7	−0·7	105·3	(b) 70·6	−1·1	65·0	49	−4	1·3	0	−0·26	0	−0·6	0
MADRAS COAST NORTH																				
Nellore ...	29·845	+·027	S 5 E	3·8	78·4	73·6	92·2	−2·7	97·9	72·8	+0·1	66·8	79	−2	2·2	0	−0·15	0	−0·3	0
Masulipatam ...	29·899	+·006	S 3 W	3·8	80·5	75·1	88·8	−2·2	93·1	71·6	−0·8	65·5	77	−5	1·9	0	−0·28	0	−0·3	0
Cocanada ...	29·890	+·009	N 56 W	4·2	80·4	73·9	90·7	−1·3	100·5	72·9	−0·8	67·1	72	−6	3·0	0	−0·16	0	−0·7	0
Vizagapatam ...	29·869	+·013	N 63 W	7·1	79·5	74·4	86·8	−0·5	90·6	74·7	0	68·3	78	+5	2·7	0	−0·30	0	−0·5	0
Calingapatam ...	29·888	+·009	S 89 W	5·9	78·5	74·2	89·9	−1·4	94·0	72·6	−0·1	67·5	81	+2	1·6	0	−0·16	0	−0·6	0
Gopalpur ...	29·839	+·013	S 56 W	9·7	80·2	76·1	87·7	+0·9	91·7	73·7	+0·6	67·4	83	+5	0·7	0	−0·54	0	−1·1	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·430 (d)	+·017	S 53 W	1·6	63·9	58·9	81·5	+0·4	89·2	52·7	+2·1	44·2	75	+3	2·4	0·09	−0·37	0	−0·9	0·09
Shillong ...	25·152	+·055	S 8 E	3·0	61·3	53·8	70·2	+0·2	79·7	50·2	−0·6	39·0	62	+9	2·5	8·81	+6·88	7	+2·7	7·46
Cherrapunji ...	25·712	+·039	S 68 E	5·9	64·6	56·1	70·2	+2·4	75·9	56·6	+2·7	50·1	59	−10	3·8	5·89	−3·43	8	+0·7	1·98
Darjiling ...	22·961	+·058	N 6 E	3·0	51·2	47·2	59·0	+2·5	65·6	45·4	+3·1	37·8	76	+3	4·0	3·03	+1·13	6	+2·2	0·95
Mukteswar ...	22·867	+·063	N 72 W	6·2	51·4	42·7	62·3	+2·8	70·7	47·3	+3·2	36·5	52	+4	3·0	1·09	−1·10	3	−1·5	0·58
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·35	−2·85	1	−5·4	0·35
Chakrata ...	23·425	+·092	N 76 E	6·5	54·5	45·4	64·5	+3·9	71·7	44·8	+1·7	35·5	51	−4	2·4	0·38	−2·73	1	−3·8	0·31
Simla ...	23·125	+·067	N 57 E	2·6	54·2	41·4	61·5	+6·3	67·3	47·7	+4·3	38·9	31	−14	2·2	0·61	−2·96	1	−4·0	0·57
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·53	...	2	...	0·28
Murree ...	24·014	+·082	N 7 E	4·4	56·4	44·3	63·4	+7·1	72·0	51·3	+9·2	40·8	37	−18	2·6	0·56	−4·31	2	−5·2	0·26
Cherat ...	25·745	+·051	N 8 W	7·5	58·9	50·7	70·7	+10·3	80·1	54·5	+7·7	41·8	56	0	2·6	0·75	−3·52	2	−4·1	0·59
Parachinar ...	24·485	+·074	Calm	2·8	53·7	43·4	68·2	+9·2	76·8	41·4	+3·1	30·0	45	−19	2·8	1·04	−3·50	5	−3·9	0·43
Drosh (b) ...	...	...	E	(c) 3·1	49·5	43·7	66·0	+8·0	77·8	46·6	+6·9	36·0	63	−1	3·8	1·44	−1·98	6	−1·4	0·50
Mount Abu (b) ...	26·073	+·034	N 1 E	(c) 4·2	74·0	53·6	83·2	+6·5	87·8	66·1	+5·0	58·0	21	−14	0·6	0	−0·17	0	−0·4	0
Pachmarhi ...	26·465	+·019	S 45 E	2·4	74·1	55·3	87·3	+3·2	93·3	58·8	−1·0	50·0	27	−11	4·2	0	−0·48	0	−1·1	0
Mercara ...	26·206	+·007	N 33 E	4·2	70·0	62·6	85·0	+0·5	89·8	62·1	+0·8	57·8	66	−3	2·9	0	−0·61	0	−1·5	0
Kodaikanal ...	22·805	+·001	N 23 E	6·9	58·0	47·7	68·4	−0·8	72·8	48·6	−1·9	43·4	48	0	1·8	0·37	−1·66	1	−2·2	0·27
Coonoor ...	24·443	...	S 56 E	3·7	63·4	53·4	72·0	...	75·5	51·8	...	46·5	54	...	2·7	0·72	...	1	...	0·64
CEYLON																				
Colombo ...	29·844	−·012	S 45 E	2·3	74·3	72·6	87·2	−2·4	89·8	73·5	−1·0	69·7	92	+8	5·4	6·69	+2·26	9	+3·0	2·14

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days.

MONTHLY WEATHER REPORT

FOR

April 1929

Supplement to the Indian Daily Weather Report for the 16th May 1929

Published by order of the Governor-General in Council

Summary.—Six western disturbances crossed the frontier during the month. Most of them caused extensive dust or thunderstorms in northwest India but the associated rainfall was small. Scattered thundershowers occurred in the Peninsula on almost all the days of the month. The eastern half of the seasonal trough of low pressure was markedly active in Assam during the last week.

The first western disturbance of the month which began to affect the frontier on the 1st caused light rain or snow in the extreme north and widespread duststorms along the frontier on the same day. It filled up after giving numerous thundershowers in Bengal, Assam and Upper Burma on the 2nd and the 3rd. The second western disturbance crossed the frontier on the 3rd and disappeared after causing extensive duststorms over northwest India with local rain on the frontier hills and along and near the western Himalayas between the 5rd and 6th. The third western disturbance began to affect the frontier on the 8th and it remained feeble till the next day. It lay as a low pressure area over the Punjab on the 10th and caused widespread dust or thunderstorms over northwest India between the 10th and 12th. The next western disturbance which was affecting the frontier on the 15th remained feeble till the next day and passed eastwards after giving a few falls of rain along the frontier. During its eastward movement, it caused local rain in the Kumaon hills and Bihar on the 17th and widespread thunder or hailstorms in Bengal on the next day. The fifth western disturbance gave light falls of rain along the frontier on the 18th and the 19th and caused extensive dust or thunderstorms in northwest India from the 20th to 23rd. The sixth and the last western disturbance of the month gave local rain on the frontier hills and along and near the western Himalayas between the 23rd and 25th, in the north Punjab on the latter date and merged into the seasonal trough of low pressure over the Gangetic plain.

Scattered thundershowers occurred in the Peninsula almost on all the days of the month, Malabar having nearly general rain on the 9th and the 16th. Due to a severe thunderstorm which passed over Mayyanad near Quilon on the 9th, it was reported that the building of the Malayalam Girl's School collapsed and one person was buried under the debris. Roofs of several dwelling houses and huts were also blown off.

Tenasserim had intermittent scattered thundershowers in the first three weeks and on all the days in the last week.

The eastern half of the seasonal trough of the low pressure over the Gangetic plain was active during the last week of the month. It helped an influx of moist winds from the Bay, which caused nearly general rain with locally heavy falls in Assam on all the days and heavy rain at a few stations in southeast Bengal on the 24th and 25th; Cherrapunji had 3″ on the 25th, 4″ on the 27th, 7″ on the 28th, 10″ on the 29th and 11″ on the 30th, Silchar 3″ on the 24th, 6″ on the 28th, 4″ on both the 29th and 30th, Sibsagar 5″ on the 27th, 4″ on the 28th and 3″ on the next day, Chittagong 5″ on the 24th and Cox's Bazar 2″ on the 25th.

The month's rainfall was in large excess in Upper Burma, Bihar, Rajputana East, Gujarat, Central India West, the Central Provinces East, the Konkan, the Bombay Deccan, Hyderabad North, Mysore, Malabar, Madras Southeast and the Madras Deccan, and in slight to moderate excess in the Bay Islands, Lower Burma, Assam, Bengal and Berar. It was normal in Sind and in large defect in Orissa, Chota Nagpur, the United Provinces East, the Punjab Southwest, Kashmir, the North-West Frontier Province, Baluchistan and the Madras Coast North; elsewhere it was in slight to moderate defect. Averaged over the plains of India, the rainfall was in excess by 38 per cent.

Maximum temperature was above normal in parts of northwest India during the first five days of the month. Night temperature was above the average in most of northeast India on the 9th and 10th; day temperature was below normal in the Central Provinces West and the Bombay Deccan on the 11th and 13th. High temperatures prevailed in the Punjab, the North-West Frontier Province and Baluchistan between the 15th and 21st. Maximum temperature was above normal in Kashmir from the 12th to 30th, and below it in Upper Burma between the 21st and 26th. Day temperature was lower than usual in the Peninsula excluding the Konkan, Malabar and the Madras Coast North between the 22nd and 25th, and in Bihar, the United Provinces West and the Central Provinces on the 23rd. Maximum temperature was below normal in Assam during the last week due to widespread rain. Day temperature was above normal in Chota Nagpur, Bihar, the Punjab Southwest, the North-West Frontier Province and Baluchistan on the 28th and 29th. On the mean of the month, both maximum and minimum temperatures were higher than usual in northwest India excluding Gujarat and Rajputana. Day temperature was below normal in the Bay Islands, Upper Burma and the Peninsula outside the Konkan, Malabar and the Madras Coast North; night temperature was above the average in the United Provinces East, Rajputana West and Gujarat.

Summary of the Local Conditions

Burma, including the Bay Islands.—Rainfall was in slight excess in the Bay Islands and Lower Burma and more than twice the normal in Upper Burma where humidity was also above normal. Skies were more clouded than usual and maximum temperature lower than the average in the Bay Islands and Upper Burma.

Northeast India, including Orissa.—The month's rainfall was in slight to moderate excess in Assam and Bengal; it was in large excess in Bihar and in large defect in the rest of the division. Cloud proportion was in excess. The air was more moist than usual in Chota Nagpur. Both day and night temperatures were roughly normal in the whole division.

The United Provinces, Central India and the Central Provinces.—Rainfall was in large excess in Central India West and the Central Provinces East and in large defect in the United Provinces East; it was in slight excess in Berar and in slight defect in the United Provinces West, Central India East and the Central Provinces West. Cloudiness was more than usual. Humidity was in large excess in Central India East and above normal in Berar. Minimum temperature was above the average in the United Provinces East.

Northwest India.—The month's rainfall was in moderate to large defect in the division outside Sind, Rajputana East and Gujarat, it being normal in Sind and in large excess in the latter two sub-divisions. Skies were more than normally clouded in Rajputana East and Gujarat. Humidity was generally in defect in the division except in Sind, Rajputana and Gujarat where it was roughly normal. Both day and night temperatures were above normal outside Rajputana and Gujarat, where night temperature alone was higher than usual.

The Peninsula.—Rainfall was in large excess outside Hyderabad South and the Madras Coast North where it was in moderate to large defect. Cloud proportion was more than usual. Humidity was above normal in the Bombay Deccan, Hyderabad South and Mysore. Maximum temperature was below normal outside the Konkan, Malabar and the Madras Coast North.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 8th May 1929.

S. K. PRAMANIK,
for *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	2·85	1·98	+0·87	+ 44	−1·3	0	+ 2	+0·9
Assam ...	12·06	8·74	+3·32	+ 38	−0·5	+0·8	+ 1	+1·3
Bengal ...	4·09	3·46	+0·63	+ 18	−1·0	+0·4	+ 1	+1·3
Bihar and Orissa ...	0·64	0·89	−0·25	− 28	−0·3	+1·5	+ 3	+1·5
United Provinces ...	0·20	0·33	−0·13	− 39	+0·7	+2·4	− 1	+0·9
Punjab ...	0·37	0·74	−0·37	− 50	+2·8	+3·8	− 6	+0·2
North-West Frontier Province.	0·59	1·29	−0·70	− 54	+5·2	+3·9	−13	−0·2
Sind ...	0·14	0·14	0	0	+2·6	+3·1	+ 2	−0·3
Rajputana ...	0·25	0·20	+0·05	+ 25	+0·9	+1·5	− 2	+0·5
Bombay ...	0·85	0·30	+0·55	+183	−0·4	+1·5	+ 1	+1·2
Central India ...	0·21	0·16	+0·05	+ 31	+0·1	+1·3	+ 5	+0·6
Central Provinces ...	0·71	0·49	+0·22	+ 45	−1·7	−0·2	+ 2	+1·7
Hyderabad ...	0·70	0·70	0	0	−2·5	−0·7	+ 4	+1·2
Mysore ...	4·63	1·53	+3·10	+203	−2·0	−0·2	+ 7	+3·0
Madras ...	2·92	1·45	+1·47	+101	−2·1	−0·2	+ 1	+2·0
Mean of India ...	1·80	1·30	+0·50	+ 38	−0·3	+1·1	+ 1	+1·6

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	2·75	2·48	+ 0·27	+ 11	−2·5	−0·1	− 1	+1·7
2. Lower Burma ...	2·76	2·35	+ 0·41	+ 17	−0·6	+0·1	− 1	+0·7
3. Upper Burma ...	2·97	1·46	+ 1·51	+103	−2·2	−0·1	+ 6	+1·2
4. Assam ...	12·06	8·74	+ 3·32	+ 38	−0·5	+0·8	+ 1	+1·3
5. Bengal ...	4·09	3·46	+ 0·63	+ 18	−1·0	+0·4	+ 1	+1·3
6. Orissa ...	0·26	1·17	− 0·91	− 78	0	+1·8	0	+1·5
7. Chota Nagpur ...	0·37	0·89	− 0·52	− 58	−0·1	+1·6	+13	+2·1
8. Bihar ...	1·10	0·67	+ 0·43	+ 64	−0·6	+1·2	0	+1·3
9. United Provinces, East ...	0·03	0·25	− 0·22	− 88	+0·7	+3·3	− 1	+0·6
10. Do. do. West ...	0·35	0·39	− 0·04	− 10	+0·7	+1·6	− 1	+1·1
11. Punjab, East and North ...	0·45	0·80	− 0·35	− 44	+2·4	+3·3	− 7	+0·2
12. Do. Southwest ...	0·23	0·64	− 0·41	− 64	+3·5	+4·7	− 4	+0·3
13. Kashmir ...	0·91	3·36	− 2·45	− 73	+4·9	+2·2	− 7	−1·0
14. North-West Frontier Province ...	0·59	1·29	− 0·70	− 54	+5·2	+3·9	−13	−0·2
15. Baluchistan ...	0·23	0·79	− 0·56	− 71	+6·1	+5·3	−10	−0·2
16. Sind ...	0·14	0·14	0	0	+2·6	+3·1	+ 2	−0·3
17. Rajputana, West ...	0·11	0·19	− 0·08	− 42	+1·0	+2·3	− 4	+0·3
18. Do. East ...	0·32	0·21	+ 0·11	+ 52	+0·8	+0·9	0	+0·6
19. Gujarat ...	0·14	0·04	+ 0·10	+250	+0·9	+2·3	0	+0·6
20. Central India, West ...	0·27	0·13	+ 0·14	+108	−1·1	+1·3	− 3	+0·7
21. Do. do. East ...	0·15	0·19	− 0·04	− 21	+1·2	+1·3	+13	+0·5
22. Berar ...	0·21	0·19	+ 0·02	+ 11	−1·3	+0·7	+ 7	+1·5
23. Central Provinces, West ...	0·24	0·27	− 0·03	− 11	−1·7	−0·2	− 1	+1·5
24. Do. do. East ...	1·65	0·96	+ 0·69	+ 72	−1·9	−0·7	+ 4	+2·0
25. Konkan ...	1·57	0·35	+ 1·22	+349	+1·5	+1·7	− 3	+0·9
26. Bombay, Deccan ...	1·33	0·62	+ 0·71	+115	−3·2	+0·4	+ 5	+2·2
27. Hyderabad, North ...	0·74	0·42	+ 0·32	+ 76	−2·8	−0·5	+ 3	+1·2
28. Do. South ...	0·67	0·90	− 0·23	− 26	−2·4	−0·9	+ 5	+1·2
29. Mysore ...	4·63	1·53	+ 3·10	+203	−2·0	−0·2	+ 7	+3·0
30. Malabar ...	6·33	3·43	+ 2·90	+ 85	−1·3	−1·4	+ 3	+2·3
31. Madras, Southeast ...	3·74	1·37	+ 2·37	+173	−3·3	−0·2	+ 1	+1·8
32. Do. Deccan ...	1·07	0·59	+ 0·48	+ 81	−3·7	−0·6	+ 1	+2·8
33. Do. Coast North ...	0·20	0·70	− 0·50	− 71	−0·1	+0·9	0	+1·5

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·892	+·013	N 7 W	1·3	82·3	74·2	89·7	−2·5	92·8	78·6	−0·1	76·9	80	−1	5·8	2·75	+0·27	4	+0·1	1·39
LOWER BURMA																				
Victoria Point ...	29·739	+·021	N 54 E	4·6	81·5	77·2	88·5	−1·9	92·6	77·2	0	73·6	82	+1	5·8	4·32	+0·44	9	+2·4	1·02
Mergui ...	29·829	+·031	...	...	79·8	77·1	91·2	−0·7	95·0	75·3	−1·1	69·5	88	+6	6·0	7·69	+2·41	12	+5·9	1·91
Tavoy ...	29·871	+·023	S 84 E	2·2	80·4	75·8	94·8	+0·9	98·4	72·3	−2·2	68·4	81	−2	5·0	3·49	+0·86	5	+1·3	1·88
Amherst ...	29·814	...	S 64 E	6·4	83·0	76·7	90·2	...	92·5	76·6	...	72·1	74	...	5·2	1·78	...	6	...	0·53
Rangoon ...	29·855	+·027	S 45 W	3·9	81·6	77·0	96·2	−1·8	99·4	76·4	+0·3	73·5	80	0	4·9	0·46	−1·17	1	−0·7	0·41
Bassein ...	29·850	+·034	N 31 W	3·0	84·0	77·0	96·9	+0·7	100·1	75·8	0	71·7	71	−7	4·5	0·66	−1·00	0	−1·4	0·46
Diamond Island ...	29·821	+·013	N 40 W	4·8	83·9	77·8	88·2	0	90·8	80·6	+1·8	78·1	75	+1	3·3	0	−0·85	0	−0·9	0
Toungoo ...	29·480	+·010	...	...	83·5	75·9	95·0	−2·3	100·8	75·9	−0·1	70·3	69	−3	2·6	7·39	+5·45	4	+1·4	5·06
Kyaukpyu ...	29·834	+·011	N 70 E	2·2	83·7	78·5	90·4	+1·1	94·9	77·4	+2·0	72·1	80	+2	3·8	0·03	−1·46	0	−1·8	0·02
Akyab ...	29·840	+·020	N 53 E	7·3	82·4	76·4	90·4	−1·2	95·8	75·4	+0·1	69·2	75	−6	4·1	1·48	−0·59	4	+1·9	0·81
UPPER BURMA																				
Minbu ...	29·668	+·028	N 42 E	2·5	84·6	74·0	101·7	−0·9	107·1	77·3	+0·5	71·2	59	−1	1·2	0·31	−0·46	1	−0·2	0·31
Yamethin ...	29·297	+·014	S 6 E	2·3	81·3	73·0	97·6	−3·3	102·8	74·5	−1·6	68·9	69	+5	2·2	3·14	+1·64	6	+3·6	1·55
Mandalay ...	29·587	+·036	S 11 E	3·2	81·9	74·3	98·6	−3·8	106·8	76·2	−1·1	70·7	69	+14	3·9	3·92	+2·80	10	+7·8	1·00
Monywa ...	29·572	+·032	S 61 E	2·4	81·8	73·0	99·2	−2·0	108·6	74·1	−0·8	69·1	65	+8	3·3	3·37	+2·57	8	+6·2	1·49
Lashio ...	27·074	+·028	S 81 E	2·5	68·4	63·7	83·9	−5·1	92·5	62·6	+0·2	54·7	81	+12	6·4	4·86	+2·68	12	+7·3	0·95
Bhamo ...	29·450	+·012	N 36 E	(c) 2·6	74·6	69·6	91·9	−0·6	100·5	68·1	+1·6	59·8	78	+1	6·1	1·46	−0·43	4	−0·8	0·78
Myitkyina ...	29·382	+·036	N 48 E	3·8	72·7	67·7	88·6	+0·3	98·6	67·2	+0·6	58·6	77	+2	7·3	3·72	+1·77	8	+2·5	1·54
ASSAM																				
Dibrugarh ...	29·502	+·011	S 68 E	1·0	76·9	67·4	89·9	+1·3	94·6	66·4	+1·0	60·3	85	−4	6·9	8·28	−1·80	15	+0·7	1·70
Sibsagar ...	29·529	+·024	N 30 E	2·3	71·3	69·0	81·5	+0·3	92·3	66·7	+0·8	60·3	89	−1	9·0	17·86	+7·75	13	−1·4	4·85
Tezpur ...	29·601	+·030	N 17 E	2·3	72·8	69·2	(f) 84·3	+0·9	95·1	68·5	+1·4	62·2	84	0	7·0	7·28	+1·09	8	−3·9	2·59
Gauhati ...	29·657	+·027	N 41 E	1·1	73·4	70·5	81·7	−1·3	94·7	68·6	+1·4	61·5	86	+4	6·8	5·50	−1·11	11	−0·8	1·36
Dhubri ...	29·713	+·033	S 89 E	5·8	74·8	71·2	88·0	−1·5	97·9	70·2	+0·4	63·7	81	+5	5·1	6·61	+9·47	8	−0·1	2·22
Silchar ...	29·766	+·029	(c) S 83 E	1·9	73·8	70·5	85·0	−2·7	95·0	(c) 68·5	−0·3	63·0	85	+1	7·3	26·83	+12·50	14	−0·5	6·42
BENGAL																				
Cox's Bazar ...	29·878	+·011	S 31 E	4·2	81·4	76·4	87·8	−0·2	93·3	73·7	+1·5	65·1	79	−4	2·7	4·31	−0·79	7	+1·9	2·40
Chittagong ...	29·762	+·022	S 56 E	(f) 8·6	80·1	74·7	88·9	+0·2	95·1	73·4	+0·4	65·0	77	−4	4·9	9·77	+4·39	7	+1·3	4·95
Narayanganj ...	29·891	+·032	S 29 E	1·1	80·1	75·4	91·3	−0·8	95·6	75·4	−0·6	64·4	80	−2	6·7	5·64	+0·16	11	+4·2	1·75
Barisal ...	29·805	+·023	S 10 W	3·8	82·8	77·2	91·7	+0·2	95·4	74·8	+0·3	67·0	77	−5	5·7	3·66	−1·12	8	+2·2	1·05
Jessore ...	29·782	+·034	S 1 W	4·0	80·2	77·2	94·5	−1·6	101·3	74·0	−0·6	61·8	87	+6	6·0	1·99	−1·67	6	+1·0	0·51
Calcutta ...	29·775	+·024	S 27 W	4·6	82·4	77·6	95·9	+0·4	103·5	77·4	+1·7	66·3	80	+1	4·9	2·05	+0·16	2	−1·2	1·37
Saugor Island ...	29·779	+·012	S 24 W	1·6	83·7	79·2	88·1	−2·0	92·1	78·2	−1·1	68·7	81	0	6·5	2·60	+1·46	7	+4·9	0·88
Burdwan ...	29·689	+·026	S 8 E	2·4	82·2	76·1	98·2	−1·4	106·1	75·9	+0·8	68·4	75	+1	5·3	1·43	−0·68	3	−0·5	0·71
Berhampore ...	29·736	+·038	S 18 E	3·6	81·9	75·0	97·3	−1·7	106·8	74·5	+0·4	66·8	72	−1	5·7	2·62	+1·22	3	+0·3	1·19
Mymensingh ...	29·785	+·046	S 84 E	2·1	76·2	72·5	87·9	−2·3	98·5	70·7	−0·9	61·4	83	+2	8·0	9·31	+3·56	10	+2·8	1·86
Bogra ...	29·747	+·044	S 71 E	2·7	78·5	74·3	94·2	−0·9	104·6	72·0	+0·6	64·1	82	+5	7·0	2·35	+0·08	4	+0·3	1·02
Dinajpur ...	29·671	+·025	N 83 E	2·6	77·3	(o) 72·7	91·5	−2·4	104·3	71·1	+1·4	65·0	(o) 80	+8	5·4	2·88	+0·74	5	+1·9	1·40
Jalpaiguri ...	29·598	+·014	N 75 E	1·7	75·3	70·6	88·7	−0·4	94·7	69·3	+1·3	61·1	79	+2	5·5	4·55	+0·82	7	+1·4	2·05
ORISSA																				
Balasore ...	29·727	+·021	S 40 W	5·8	83·9	77·4	97·2	+0·5	105·6	78·3	+2·6	71·0	74	−1	5·9	0·52	−1·54	2	−1·9	0·19
Hukitala (False Point)	29·782	+·020	S 52 W	13·3	...	...	...	...	...	...	...	...	...	...	5·0	0·18	−0·62	1	−0·5	0·10
Cuttack ...	29·726	+·030	S 48 W	3·2	82·2	77·9	101·7	+0·4	107·5	78·7	+1·0	73·2	82	+7	5·6	0	−1·16	0	−1·9	0
Sambalpur ...	29·308	+·019	S 53 W	2·3	87·2	71·1	102·4	−0·8	110·0	76·9	+1·7	69·7	44	−7	3·8	0·33	−0·32	1	−0·6	0·29
CHOTA NAGPUR																				
Chaibasa ...	29·041	+·019	S 40 W	2·9	82·8	73·4	101·7	−0·4	109·1	76·4	+2·3	68·8	63	+5	4·1	0·32	−0·92	1	−1·5	0·32
Ranchi ...	27·655	+·024	S 49 W	3·5	81·7	72·5	96·0	+0·1	110·2	72·6	+0·9	64·4	63	+21	3·8	0·42	−0·53	2	−0·4	0·23
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	−0·11	2	+0·5	0·26

(a) Reports only rainfall. (c) Mean of 29 days. (f) Mean of 26 days. (o) Mean of 17 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H. Dry bulb.	MEAN 8 H. Wet bulb.	MAXIMUM. Mean.	MAXIMUM. Departure from normal.	MAXIMUM. Highest in month.	MINIMUM. Mean.	MINIMUM. Departure from normal.	MINIMUM. Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·664	+·023	N 86 E	2·7	78·8	71·0	95·1	−1·1	103·0	70·7	+1·1	63·0	67	−1	4·1	2·39	+1·17	2	+0·1	1·70
Darbhanga ...	29·598	+·011	S 74 E	3·5	78·9	70·2	95·3	−0·5	103·9	71·0	+0·3	63·7	64	0	2·7	1·77	+1·05	3	+1·5	0·65
Patna ...	29·591	+·028	N 59 E	5·2	81·1	69·1	98·8	−0·2	106·3	75·1	+1·8	68·0	51	0	3·4	0·20	−0·01	1	+0·4	0·26
Gaya ...	29·399	+·019	S 17 W	2·2	85·7	68·7	102·7	+0·4	109·2	77·4	+2·3	67·4	40	−9	1·0	0	−0·22	0	−0·6	0
Naya Dumka ...	29·286	+·023	S 51 E	3·0	81·5	72·2	98·1	−1·4	107·0	74·3	+0·6	67·1	63	+10	4·4	1·07	+0·17	2	0	0·90
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·520	+·039	N 73 E	3·2	81·2	67·6	100·5	+1·1	107·3	73·6	+2·1	65·9	16	−6	1·4	0	−0·41	0	−0·8	0
Benares ...	29·508	+·011	S 71 W	5·8	83·9	68·4	101·7	−0·4	108·6	75·3	+3·9	65·1	43	−3	2·8	0·02	−0·15	0	−0·4	0·02
Allahabad ...	29·447	+·011	S 45 W	5·4	85·3	68·5	103·1	+0·3	109·8	75·6	+3·6	67·6	41	+5	2·4	0·05	−0·10	0	−0·4	0·05
Cawnpore ...	29·337	+·011	N 83 W	3·2	84·9	67·4	102·0	+0·9	108·6	75·5	+4·0	69·9	37	−3	1·8	0·01	−0·24	0	−0·5	0·01
Lucknow ...	29·375	+·002	N 76 W	2·3	83·4	67·0	101·5	0	108·8	74·0	+3·3	69·1	49	+2	3·2	0·09	−0·17	0	−·06	0·07
Bahraich ...	29·349	+·025	N 8 E	4·1	81·2	67·8	100·6	+2·1	112·9	72·0	+2·8	63·6	48	−1	0·6	0	−0·32	0	−0·7	0
UNITED PROVINCES, WEST																				
Jhansi ...	28·959	+·019	S 72 W	3·7	86·2	64·3	101·4	−1·3	108·3	75·6	−0·5	67·8	26	−8	2·6	0·07	−0·08	0	−0·6	0·03
Agra ...	29·209	+·009	N 81 W	5·4	83·5	63·5	101·1	−0·6	108·3	71·6	+2·8	61·4	25	+4	3·1	0·06	−0·18	0	−0·7	0·06
Mainpuri ...	29·247	+·019	N 50 W	2·6	84·1	66·2	101·9	+1·0	109·9	69·8	+0·2	61·2	35	−5	3·2	0·12	−0·23	1	+0·3	0·11
Bareilly ...	29·197	+·034	N 1 W	3·1	80·2	67·7	100·1	+2·9	107·8	72·1	+3·3	65·5	50	+1	3·3	0	−0·31	0	−0·7	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·02	+0·59	4	+3·2	0·46
Roorkee ...	28·856	+·016	S 49 E	3·8	79·8	65·4	97·7	+1·7	105·6	67·4	+2·1	57·2	43	0	2·9	0·51	+0·01	2	+0·8	0·20
Dehra Dun ...	27·545	+·016	N 39 W	1·8	70·8	55·5	92·1	+2·0	99·8	61·0	+0·6	57·1	49	+3	2·9	0·66	−0·08	2	+0·3	0·44
PUNJAB, EAST AND NORTH																				
Delhi ...	29·044	+·014	S 72 W	3·7	79·7	64·4	97·9	−0·9	105·2	75·7	+2·9	65·5	41	+2	3·2	0·84	+0·45	4	+3·2	0·35
Hissar ...	29·030	+·006	S 7 W	4·2	80·1	64·2	99·3	+0·4	107·3	70·0	+2·5	61·4	39	−3	1·1	0·50	+0·11	2	+1·2	0·16
Ambala ...	28·854	+·010	N 43 E	3·7	79·6	62·8	98·7	+3·2	105·9	70·2	+4·5	61·2	35	−13	2·5	0·48	−0·10	2	+0·3	0·24
Ludhiana ...	29·942	+·014	N 11 E	2·5	78·0	63·2	98·3	+2·8	106·5	69·2	+2·4	59·4	41	−5	2·7	0·26	−0·59	1	−0·5	0·16
Lahore ...	29·054	+·011	N 58 E	1·8	79·3	66·3	98·2	+2·5	106·6	69·3	+4·7	59·2	48	−3	3·3	0·15	−0·39	1	−0·6	0·15
Sialkot ...	28·940	+·023	N 34 E	2·2	78·5	63·5	96·0	+3·1	107·5	67·3	+2·3	55·5	41	−12	2·4	0·44	−0·50	2	−0·1	0·21
Rawalpindi ...	28·126	+·021	N 35 E	3·3	75·1	60·4	92·2	+5·9	100·6	62·7	+3·6	54·1	41	−15	2·9	0·45	−1·49	1	−2·9	0·29
PUNJAB, SOUTHWEST																				
Khushab ...	29·177	+·024	N 64 E	4·8	(d) 81·8	(d) 63·3	97·1	+4·5	106·4	71·5	+4·8	60·2	(t) 32	−11	3·3	0·27	−0·78	1	−1·4	0·27
Lyallpur ...	29·155	−·001	N 72 E	1·8	77·9	64·2	96·1	+4·5	106·2	67·8	+5·1	58·9	46	−7	4·0	0·47	−0·41	1	−1·1	0·45
Montgomery ...	29·192	+·001	S 42 E	2·9	81·7	67·9	97·7	+1·5	107·0	70·4	+3·6	57·0	47	+9	2·1	0·17	−0·19	1	0	0·10
Multan ...	29·345	+·013	N 62 W	2·3	79·6	65·0	100·7	+3·4	109·6	73·9	+5·3	65·6	42	−6	2·3	0	−0·27	0	−0·9	0
Khanpur ...	29·462	...	N	1·2	82·8	73·5	102·9	...	110·9	68·5	...	56·1	65	...	2·0	0·06	...	0	...	0·06
KASHMIR																				
Srinagar ...	24·926	+·058	S 16 E	3·0	54·1	50·9	70·1	+4·2	81·6	45·9	+1·3	41·1	81	−2	3·9	1·86	−1·93	5	−3·1	0·47
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·15	−7·92	6	−7·2	0·65
Dras ...	20·855	+·074	Calm	1·7	33·2	...	47·6	+5·3	61·4	26·5	+6·5	14·6	(t) 72	...	3·2	0·75	−3·21	2	−6·5	0·37
Leh ...	19·746	+·070	S 6 W	3·1	41·6	(j) 34·3	58·2	+2·6	64·9	33·1	+2·9	21·9	(j) 43	−6	5·9	0·42	−0·19	2	+1·2	0·16
Skardu ...	23·905	+·056	N 45 W	1·0	52·7	(c) 42·8	67·5	+5·4	74·9	38·3	−4·0	28·2	(c) 40	−17	4·6	0·29	−0·84	1	−1·8	0·24
Gilgit ...	25·142	+·026	W	0·4	63·1	52·9	79·4	+7·2	86·8	56·8	+4·1	48·2	50	−2	3·9	0	−0·98	0	−2·7	0
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·649	−·052	N 67 W	2·0	77·1	63·0	91·9	+6·5	100·3	61·9	+3·8	51·4	43	−19	4·1	1·13	−0·72	2	−2·0	0·96
Dera Ismail Khan ...	29·198	+·001	N 37 E	2·4	80·7	68·2	96·7	+3·9	106·5	69·1	+3·9	58·8	51	−6	1·7	0·06	−0·68	0	−1·7	0·06
BALUCHISTAN																				
Fort Sandeman ...	25·379	+·039	N	2·9	(c) 62·7	51·1	85·0	+5·1	92·1	57·1	−3·7	47·4	(c) 43	−12	2·4	0·59	−0·89	2	−2·3	0·25
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	−1·23	2	−0·8	0·21
Quetta ...	24·677	+·082	S 16 E	5·1	58·2	47·3	79·5	+5·8	86·1	49·9	+4·3	39·2	44	−10	2·9	0·26	−0·77	1	−1·9	0·20
Chaman ...	25·617	−·025	S 37 E	5·5	68·7	51·8	96·1	+9·3	93·4	62·6	+8·5	49·2	28	−23	2·9	0·04	−0·64	0	−1·9	0·04
Kalat ...	23·722	+·010	S 10 E	6·2	52·9	46·0	74·7	+2·9	79·7	43·9	+5·5	35·7	61	+5	1·3	0·19	−0·35	1	−0·6	0·14
Dalbandin ...	27·041	−·005	S	4·8	70·2	56·1	96·2	+8·1	100·9	61·9	+4·5	49·6	37	−8	1·4	0	−0·33	0	−0·7	0
Mirjawa ...	27·065	...	N 63 W	7·3	65·5	50·8	93·3	...	103·2	63·0	...	50·0	31	...	1·5	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (j) Mean of 22 days. (t) Mean of 12 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·5[illegible]	+·015	S 58 E	4·1	84·5	69·7	104·3	+4·3	111·8	74·4	+4·5	64·1	45	+2	1·1	0·12	-0·08	0	-0·5	0·09
Hyderabad ...	29·6[illegible]	+·016	S 37 W	5·3	82·8	70·9	102·9	+1·3	109·2	73·7	+1·7	68·3	54	+4	1·9	0·29	+0·24	1	+0·9	0·22
Karachi ...	29·866	+·003	N 87 W	10·2	80·6	75·2	87·1	+2·3	91·1	77·9	+3·2	72·9	77	-1	2·1	0	-0·17	0	-0·2	0
RAJPUTANA, WEST																				
Bikaner ...	29·016	+·039	S 2 W	(d) 5·9	82·9	63·9	99·7	-0·2	106·7	75·2	+1·2	63·1	31	-8	2·4	0·09	-0·13	0	-0·6	0·05
Jodhpur ...	29·708	+·008	S 37 W	3·1	83·3	59·0	102·4	+2·2	108·8	75·9	+3·4	67·8	30	0	2·0	0·12	-0·03	1	+0·5	0·12
RAJPUTANA, EAST																				
Jaipur ...	28·330	+·036	N 18 W	3·4	83·6	64·0	99·9	+0·1	107·7	72·1	+1·8	61·5	31	-1	1·9	0·80	+0·63	1	+0·5	0·70
Ajmer ...	28·218	+·029	S 66 W	5·1	82·7	63·4	(c) 98·9	+1·0	105·3	72·1	+0·3	60·9	31	-7	2·1	0·19	+0·02	1	+0·6	0·11
Kotah ...	28·956	+·018	N 67 W	3·2	89·2	69·1	103·1	+1·3	108·6	77·1	+0·6	68·6	33	+8	3·2	0·21	-0·12	1	+0·3	0·21
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·07	-0·09	0	-0·3	0·04
GUJARAT																				
Deesa ...	29·555	+·015	S 67 W	6·6	86·2	68·6	105·6	+2·0	111·1	72·8	+1·5	65·4	39	-4	1·7	0·05	+0·02	0	-0·1	0·05
Bhuj ...	29·482	+·016	N 75 W	3·4	83·6	79·8	100·1	+0·2	106·4	(d) 73·4	+2·1	67·1	52	-8	0·5	0·31	+0·27	1	+0·9	0·31
Dwarka ...	29·865	-·007	N 76 W	10·0	81·7	75·9	86·8	+2·0	98·1	78·3	+2·1	74·7	76	-4	2·2	0	-0·05	0	-0·1	0
Rajkot ...	29·389	-·002	N 81 W	8·0	81·5	71·5	103·6	+2·1	108·1	72·1	+2·8	66·3	60	-3	6·7	0	-0·03	0	-0·1	0
Veraval ...	29·832	+·015	N 49 W	8·3	79·9	71·6	86·7	+0·8	95·7	75·6	+3·4	68·0	77	+3	1·9	0	0	0	0	0
Surat ...	29·801	+·027	S 4 E	3·2	84·6	76·2	99·0	-0·5	107·3	76·8	+3·6	72·4	67	+4	3·2	0·02	-0·02	0	0	0·02
Bhavnagar ...	29·776	0	N 65 W	4·8	84·9	74·6	101·9	+0·2	107·2	74·9	+1·0	69·7	61	+5	1·6	0·02	-0·08	0	-0·2	0·02
Ahmadabad ...	29·638	+·029	N 69 W	6·0	84·1	73·3	104·8	+0·5	110·2	76·5	+2·1	71·2	58	+9	1·3	0·71	+0·68	1	+0·9	0·53
CENTRAL INDIA, WEST																				
Neemuch ...	28·223	+·040	N 73 W	5·5	85·5	66·6	98·7	-0·8	103·7	72·5	+1·5	63·8	35	0	1·9	0·06	-0·06	0	-0·3	0·04
Indore ...	28·092	+·039	N 76 W	4·0	82·9	63·6	98·5	-1·1	103·3	70·9	+1·1	60·5	32	-7	2·8	0·18	+0·34	1	+0·7	0·31
CENTRAL INDIA, EAST																				
Nowgong ...	29·029	+·023	S 75 W	2·1	84·1	69·1	103·4	+1·6	110·2	72·9	+1·1	59·8	44	+8	3·0	0·04	-0·15	0	-0·3	0·02
Sutna ...	28·736	+·023	S 55 W	3·9	86·5	72·5	101·3	+0·8	107·9	73·2	+1·6	65·0	49	+18	2·3	0·26	+0·06	2	+1·6	0·12
BERAR																				
Akola ...	28·894	+·028	N 81 W	3·5	85·1	66·8	105·3	-0·3	111·4	75·4	+0·7	68·0	35	+6	3·3	0·28	+0·12	2	+1·5	0·17
Amraoti ...	28·605	+·030	S 47 W	5·4	86·2	69·0	102·3	-2·3	108·8	76·8	+0·6	70·4	40	+8	3·4	0·15	-0·07	0	-0·7	0·07
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·761	+·009	S 80 W	5·3	85·5	66·9	104·2	-0·1	109·6	73·8	-1·3	65·8	35	+6	1·9	0·52	+0·42	1	+0·7	0·13
Hoshangabad ...	28·813	+·029	S 86 W	2·9	83·8	64·2	102·7	-1·1	109·5	73·5	+0·2	62·8	30	-5	3·4	0·14	+0·01	1	+0·7	0·13
Saugor ...	28·661	+·021	S 86 W	4·2	83·8	62·0	97·9	-2·3	104·8	73·0	-0·2	66·4	26	-1	3·6	0·16	+0·01	1	+0·6	0·10
Jubbulpore ...	28·471	+·027	S 23 W	1·8	82·5	65·5	99·3	-1·5	106·3	70·4	+0·2	61·5	38	+3	3·2	0·27	+0·02	1	+0·3	0·15
Seoni ...	27·794	+·020	S 89 W	3·4	83·4	64·2	97·5	-2·5	104·6	71·1	+0·5	63·3	32	-2	3·2	0·19	-0·27	1	-0·3	0·12
Nagpur ...	28·802	+·040	N 51 W	3·5	85·9	64·8	102·3	-2·5	110·5	74·9	-0·8	67·8	28	-6	4·2	0·16	-0·46	1	-0·3	0·11
CENTRAL PROVINCES, EAST																				
Pendra ...	27·775	+·012	N 83 W	4·2	83·8	66·8	96·6	0	103·2	72·1	+0·7	59·3	39	+8	4·6	0·51	-0·31	3	+1·1	0·26
Raipur ...	28·831	+·027	S 64 W	2·2	86·3	67·6	102·9	-1·0	109·5	77·7	+1·4	68·3	34	-4	4·0	0	-0·64	0	-1·5	0
Kanker ...	28·504	...	S 70 W	4·1	84·9	69·8	92·5	...	103·2	75·3	...	65·4	45	...	3·7	1·03	...	2	...	0·53
Chanda ...	29·175	+·025	S 49 W	1·5	84·9	70·3	102·2	-3·7	111·7	(e) 74·8	-1·2	65·2	46	+5	3·0	2·36	+1·17	3	+1·4	2·06
Jagdalpur ...	28·611	-·001	S 59 W	3·0	79·6	70·3	95·7	-3·0	101·4	68·5	-3·5	62·0	63	+6	4·3	3·72	+2·04	10	+6·6	0·89
KONKAN																				
Bombay ...	29·819	+·009	N 84 E	6·5	83·3	76·5	91·8	+3·3	95·1	79·6	+3·3	76·4	72	-3	3·7	0·01	-0·01	0	-0·1	0·03
Ratnagiri ...	29·642	+·010	N 49 E	6·7	84·0	75·8	89·5	+0·1	95·2	78·1	+1·2	73·2	67	-3	2·3	0·36	+0·28	1	+0·7	0·16
Marmagao ...	29·750	-·003	N 72 W	(d) 1·3	...	..	...	...	...	...	..	...	...	...	6·0	3·40	+2·65	4	+3·1	1·58
Karwar ...	29·892	+·004	N 15 W	3·1	81·9	76·1	90·6	+1·2	93·1	77·9	+0·6	70·2	75	-3	4·1	2·47	+1·95	3	+2·1	1·48
BOMBAY DECCAN																				
Malegaon ...	28·413	+·025	N 87 W	4·6	85·0	66·9	100·7	-2·7	105·9	70·1	-1·1	64·9	37	-2	3·8	0·97	+0·86	3	+2·7	0·34
Ahmadnagar ...	27·710	+·016	N 32 W	4·6	81·6	64·9	96·8	-2·9	101·5	71·5	+2·0	64·4	39	-2	2·9	1·82	+1·51	5	+4·0	0·63
Poona ...	28·015	+·019	N 70 W	3·0	77·5	66·2	98·1	-3·0	105·4	69·0	+0·1	64·0	54	+11	3·7	1·10	+0·53	4	+2·7	0·62
Sholapur ...	28·277	+·033	N 27 E	4·6	84·1	69·1	100·5	-2·2	105·2	75·4	+0·1	69·0	46	+4	3·4	0·61	+0·16	2	+1·0	0·26
Bijapur ...	27·916	+·037	N 8 W	4·0	81·1	68·8	97·0	-3·8	102·6	73·9	-0·6	69·9	53	+3	4·2	0·78	+0·08	3	+1·1	0·26
Belgaum ...	27·320	+·026	S 61 W	3·9	73·4	68·0	91·6	-4·4	99·4	68·8	+1·7	65·2	76	+18	5·4	2·71	+1·11	5	+1·7	1·23
HYDERABAD, NORTH																				
Aurangabad ...	27·954	+·014	S 70 W	6·4	81·6	64·1	98·3	-3·3	102·8	72·1	-1·0	63·3	37	+7	4·0	1·44	+1·20	3	+2·4	0·95
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·31	+0·08	2	+1·1	0·18
Nizamabad ...	28·570	+·017	S 21 W	2·0	84·1	69·0	101·5	-2·3	109·0	76·1	-0·1	67·6	45	0	2·2	0·47	-0·33	1	-0·8	0·28

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 27 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·357	+·032	N 22 E	6·9	84·4	69·7	100·2	-3·5	106·9	76·6	+0·3	70·4	47	0	3·6	0·37	-0·55	2	-0·1	0·23
Raichur ...	28·527	+·036	S 1 W	5·1	84·1	75·5	100·5	-2·2	105·6	77·4	-1·0	72·8	67	+16	0·8	1·01	+0·31	2	+0·7	0·60
Hyderabad ...	28·126	+·040	S 24 W	1·9	81·6	70·1	99·7	-1·5	106·2	75·1	-1·1	66·5	55	+2	4·2	0·77	-0·28	2	+0·1	0·54
Hanamkonda ...	28·956	+·032	S 40 E	5·5	82·4	72·6	99·3	-2·4	107·0	76·2	-1·0	68·2	61	0	4·0	0·54	-0·39	1	-0·7	0·46
MYSORE																				
Chitaldrug ...	27·472	+·022	S 67 W	4·2	77·2	70·3	95·4	-1·6	100·6	72·8	+0·3	69·3	71	+10	5·7	1·74	+0·82	6	+4·1	0·86
Bangalore ...	26·900	+·025	S 53 W	4·6	75·2	69·1	91·7	-1·8	97·1	69·0	-0·4	65·3	73	+3	6·7	6·52	+5·19	9	+6·7	2·80
Mysore ...	27·365	+·004	S 62 W	4·0	74·0	69·9	92·1	-2·6	97·0	69·8	-0·4	66·0	81	+8	6·0	5·64	+3·20	10	+5·7	1·32
MALABAR																				
Mangalore ...	29·773	+·002	N 74 E	4·4	82·0	76·3	90·3	-1·5	92·3	76·9	-1·4	70·7	76	+6	6·3	4·81	+3·53	7	+5·0	2·42
Calicut ...	29·821	+·011	N 9 E	4·7	83·3	77·0	92·2	+1·4	94·5	76·8	-1·5	72·9	74	-3	7·9	5·98	+2·70	8	+3·9	1·88
Cochin ...	29·842	+·011	N 60 E	2·9	83·0	77·6	88·3	-3·3	90·0	76·8	-1·8	71·9	78	+2	6·2	6·29	+1·58	12	+5·7	1·08
Trivandrum ...	29·631	-·001	N 2 E	4·5	80·5	76·8	86·2	-1·8	88·6	77·3	-0·9	73·7	84	+5	5·9	8·23	+3·76	12	+5·2	1·41
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·02	+1·53	10	+6·1	1·55
Pamban ...	29·757	+·010	S 52 E	3·2	82·8	78·5	88·9	-2·3	91·5	78·9	-0·5	75·4	82	+5	5·2	4·09	+2·47	12	+8·9	1·10
Madura ...	29·382	+·017	N 9 W	2·5	82·6	76·4	95·1	-4·0	99·9	77·1	+0·1	71·4	74	+3	7·4	4·80	+2·77	7	+4·1	2·40
Negapatam ...	29·824	+·028	S 21 E	6·2	84·3	78·5	88·4	-4·3	94·3	80·2	+0·7	75·2	77	+2	5·9	2·24	+1·67	2	+1·1	1·99
Trichinopoly ...	29·598	+·021	N 38 W	3·1	84·6	76·6	96·9	-4·2	101·3	77·4	-0·4	70·7	68	0	5·4	3·75	+2·10	5	+3·2	2·31
Coimbatore ...	28·597	+·014	N 16 E	2·0	79·3	74·9	93·0	-4·3	97·2	72·9	-0·6	69·3	81	+2	4·7	5·79	+4·35	9	+6·3	2·00
Salem ...	28·935	+·020	N 53 E	4·6	81·3	75·7	96·6	-4·2	102·5	75·8	-0·6	71·2	77	+5	5·0	6·59	+4·80	8	+4·6	3·76
Cuddalore ...	29·824	+·035	S 22 W	5·5	82·7	78·5	89·5	-3·3	91·7	77·3	-0·2	72·2	79	+1	6·3	3·97	+3·37	3	+2·0	2·92
Vellore ...	29·132	+·014	S 16 W	4·4	82·1	74·3	96·1	-2·1	100·0	75·8	-0·4	72·1	68	-5	4·0	1·60	+0·65	2	+0·7	1·16
Madras ...	29·818	+·013	S 12 W	7·5	84·4	78·0	92·8	-0·3	94·3	77·5	0	73·8	74	-1	5·4	0·55	+0·02	1	+0·3	0·51
MADRAS, DECCAN																				
Cuddapah (c) ...	29·402	+·029	S 3 E	(h) 6·9	87·1	74·7	102·4	-3·0	106·6	80·7	-0·1	73·2	54	-2	5·8	0·27	-0·18	2	+1·1	0·16
Bellary ...	28·357	+·019	N 68 W	3·5	81·9	70·8	98·1	-5·5	102·8	73·5	-0·7	70·4	57	+7	3·7	2·74	+1·98	4	+2·2	1·16
Kurnool ...	28·905	+·029	S 51 W	4·0	84·4	71·8	101·5	-2·5	105·5	77·9	-0·9	73·2	52	-2	5·9	0·24	-0·32	1	-0·6	0·18
MADRAS COAST, NORTH																				
Nellore ...	29·782	+·042	S 15 E	5·1	83·4	77·6	97·5	-2·3	102·6	78·0	+0·7	73·8	77	+2	5·1	0·69	+0·35	1	+0·6	0·62
Masulipatam ...	29·838	+·024	S 17 W	4·9	84·6	79·2	93·8	-0·8	98·6	77·9	+0·3	72·6	78	-2	5·4	0·03	-0·59	0	-0·9	0·03
Cocanada ...	29·829	+·025	S 74 W	4·8	84·4	77·8	97·3	+1·2	103·2	78·1	-0·4	75·5	73	-3	6·3	0·41	-0·15	2	+1·1	0·30
Vizagapatam ...	29·795	+·019	N 74 W	9·0	84·8	77·3	90·3	+0·6	92·6	80·4	+2·1	77·3	79	-1	5·7	0·02	-0·60	0	-1·6	0·02
Calingapatam ...	29·813	+·020	S 62 W	8·7	85·0	79·5	92·4	-0·7	95·5	79·0	+1·1	74·7	77	0	4·9	0·03	-1·13	0	-1·9	0·02
Gopalpur ...	29·754	+·027	S 48 W	12·4	83·6	80·7	89·0	+1·1	96·3	78·7	+1·6	75·0	88	+6	3·2	0	-0·79	0	-1·6	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·405	+·027	S 41 E	1·9	69·9	64·6	82·5	-1·3	91·0	61·2	+2·2	54·6	76	+6	3·9	9·13	+7·04	13	+9·7	1·83
Shillong ...	...	...	S 60 W	4·0	64·2	58·4	72·4	-0·9	81·0	56·1	-0·2	45·5	71	+9	6·3	10·12	+4·74	16	+5·9	1·85
Cherrapunji ...	25·659	+·021	S 42 W	6·5	64·4	60·6	70·2	0	76·5	59·0	+1·4	50·5	81	-3	8·0	46·31	+18·12	22	+4·4	10·08
Darjiling ...	22·926	+·023	N 37 W	3·9	55·0	51·7	62·9	+0·4	68·4	50·1	+1·7	40·9	81	+3	7·1	6·98	+3·15	10	+2·6	2·36
Mukteswar ...	22·861	+·054	N 79 W	7·3	57·6	46·6	68·7	+0·3	77·1	52·4	+2·7	42·6	44	+3	3·6	1·69	+0·09	2	+4·3	0·26
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·20	-1·24	8	+3·6	0·22
Chakrata ...	23·400	+·070	N 76 E	7·5	60·8	49·9	71·1	+1·9	79·5	52·7	+1·5	43·4	47	0	3·9	2·06	+0·27	6	+1·9	0·45
Simla ...	23·113	+·049	N 87 E	2·7	60·3	48·5	67·3	+2·7	74·2	53·3	+2·3	44·0	43	+2	3·4	1·17	-0·77	5	+1·1	0·25
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·27	...	1	...	0·27
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·51	...	9	...	0·39
Murree ...	23·996	+·070	S 45 E	5·6	52·7	46·9	66·6	+2·9	77·5	56·4	+5·7	44·8	40	-9	2·5	1·08	-3·13	5	-2·1	0·27
Cherat (c) ...	25·711	+·059	N 12 W	(d) 6·8	67·2	55·9	78·7	+6·6	88·5	60·7	+5·2	53·1	48	-2	2·7	1·20	-1·46	2	-3·1	0·68
Parachinar ...	24·450	+·060	N 45 W	2·7	61·4	51·5	73·0	+5·1	80·0	48·9	+2·5	40·6	51	-5	3·6	2·62	-1·71	8	-0·9	0·58
Drosh ...	...	...	S 66 E	2·1	(c) 57·7	(c) 52·2	(c) 74·7	+5·7	85·8	(c) 54·3	+5·4	(c) 43·4	(c) 71	+7	3·5	0·98	-3·17	4	-4·1	0·36
Mount Abu ...	26·024	+·025	S 63 W	5·0	77·8	56·9	85·7	+1·4	91·0	69·2	+0·8	62·6	24	-6	2·2	0·10	-0·03	1	+0·7	0·10
Pachmarhi ...	26·420	+·027	N 79 W	2·9	78·1	60·5	90·6	-1·4	97·2	67·6	-1·7	61·0	35	+4	6·1	0·36	+0·04	2	+1·3	0·12
Mercara ...	26·183	+·017	N 29 W	4·2	60·9	66·1	81·4	-2·6	89·0	63·5	0	60·2	82	+4	5·8	4·07	+1·44	8	+3·0	1·05
Kodaikanal ...	22·800	+·009	N 44 E	5·9	59·5	53·7	67·3	-2·9	74·1	52·4	-1·1	49·7	71	+11	5·0	15·12	+10·87	17	+10·0	3·61
Coonoor ...	24·437	...	S 42 E	3·2	65·5	60·5	71·8	...	76·0	55·5	...	49·6	76	...	5·5	7·51	...	13	...	1·36
CEYLON																				
Colombo ...	29·827	+·011	S 81 E	2·2	75·6	74·3	87·1	-2·3	89·0	74·5	-1·5	71·9	94	+8	6·5	16·31	+6·88	17	+6·3	2·73

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (h) Mean of 24 days.

MONTHLY WEATHER REPORT

FOR

May 1929

Supplement to the Indian Daily Weather Report for the 17th June 1929

Published by order of the Governor-General in Council

Summary.—Associated with an advance of the monsoon in the Andaman Sea on the 10th, a storm formed in the north Bay of Bengal and crossed the coast near Akyab on the afternoon of the 14th. The Bay monsoon continued active in south Burma during the second half of the month and extended into north Burma on the 29th. The Arabian Sea monsoon appeared in Kanara on the 29th and extended into the Konkan by the 31st.

Of the three western disturbances which entered northwest India during the month, the first caused widespread duststorms in northwest India on the 6th, 7th and 8th with local rain in the east Punjab and Kashmir during the latter two days. The second one also caused extensive dust or thunderstorms in northwest India between the 15th and the 17th with local rain along the frontier, the western Himalayas and in east Rajputana on the 16th and a few falls in west Rajputana and the west United Provinces on the next day. The last western disturbance of the month was feeble. Weather was disturbed over northwest India from the 23rd to the 25th when numerous duststorms and scattered falls of rain occurred in the North-West Frontier Province, Kashmir, the Punjab, Rajputana and the west United Provinces. A severe local storm is reported to have caused considerable damage to buildings and trees in Meerut on the 18th evening.

2. Rainfall was nearly general and locally heavy in Assam during the first eleven days of the month. Some of the heavy falls recorded during the period are:—Cherrapunji 7″ on the 1st and the 8th, Silchar 5″ on the 5th, 6th and 10th and 4″ on the 7th and Dhubri 4″ on the 10th. This continued heavy rain in Assam was responsible for several breaches on the Assam Bengal Railway in the Surma valley. The eastern half of the seasonal trough of low pressure area over the Gangetic plain was markedly active during the period 4th to 7th and caused strong winds and squally weather round the head of the Bay of Bengal. A boat is reported to have capsized in the Hooghly on the 7th evening resulting in a loss of fourteen lives. Local rain fell in Bengal on the 8th, 9th, 11th and 12th, while a few falls occurred there during the rest of the period up to the 16th, in Burma up to the 10th and in Bihar on the 3rd, 4th and 8th. With an advance of the monsoon in the Andaman Sea on the 10th, conditions became unsettled in the central Bay of Bengal and a depression had formed by the morning of the 13th near Latitude 15°N. and Longitude 87°E. The depression developed into a storm and crossed the coast near Akyab on the afternoon of the 14th. It helped an influx of moist winds from the Bay and the monsoon strengthened in Burma. Several heavy falls of rain were recorded; Victoria Point had 4″ on the 10th, Akyab 6″ on the 12th and 5″ on the 13th, and Mandalay 5″ on the 12th. Rainfall extended temporarily into the east United Provinces through Bihar and Chota Nagpur on the 13th. The Bay monsoon remained active in south Burma during the rest of the month and extended into north Burma on the 29th. Some of the heavy falls recorded during this period are:—Tavoy and Diamond Island 5″ each on the 22nd, Amherst 5″ on the 23rd and 4″ on the 24th and 27th, Minbu 4″ on the 29th and Mandalay 5″ on the 30th. Extensive rain continued in Assam during the second half of the month and scattered thundershowers occurred in Bengal during that period. A nor'wester passed over Calcutta on the 22nd evening when the maximum wind velocity recorded at Alipore was 49 miles per hour.

3. Scattered thundershowers were reported from the Peninsula on almost all the days of the month. Malabar had nearly general rain on the 1st, 6th and 7th and Mysore on the latter two days. Several heavy thunderstorms are reported to have occurred in the Peninsula between the 1st and 3rd and again from the 8th to 11th. One of these passed over Kerala in the early hours of the 3rd morning as a result of which the pandal of the Kerala Hindu Conference collapsed causing instantaneous death of one volunteer and injuries to several others. Associated with

a temporary advance of the monsoon, Ceylon experienced stormy weather on the 11th, which is reported to have caused a considerable dislocation of the traffic there. The Arabian Sea monsoon appeared on the west coast on the 29th with heavy falls of rain in Kanara; Karwar and Mangalore recorded 4″ each. It was temporarily weak the next day but strengthened on the last day of the month and extended as far north as Ratnagiri.

4. The month's rainfall was in large excess in Assam and in moderate excess in Upper Burma and Rajputana West. It was normal in Lower Burma, Kashmir and the Konkan, in slight defect in the Bay Islands, Mysore and the Madras Deccan, and in moderate to large defect elsewhere. Averaged over the plains of India, the rainfall of the month was normal.

5. The maximum temperature was above normal in most of northwest India between the 1st and 6th and again on the last three days of the month; the minimum was higher than usual on the 7th, 30th and 31st. Day temperature was below the average in Assam between the 1st and the 7th, in Upper Burma between the 13th and the 15th and in parts of northwest India on the 16th, 17th and 25th. The month's mean maximum and minimum temperatures were above normal in Bihar and Orissa, the United Provinces East, the Punjab East and North, the North-West Frontier Province, Berar and the Central Provinces East; the maximum alone was above the average in the United Provinces West, Central India East, the Central Provinces West and Hyderabad South, and below it in Upper Burma and Assam while the minimum alone was above normal in Baluchistan and Hyderabad North.

Summary of the Local Conditions

Burma, including the Bay Islands.—Rainfall was normal in Lower Burma, in moderate excess in Upper Burma and in slight defect in the Bay Islands. Cloud proportion was above normal in the Bay Islands. Humidity was roughly normal. Maximum temperature was below normal in Upper Burma.

Northeast India, including Orissa.—The month's rainfall was in large excess in Assam and in moderate to large defect elsewhere. Cloudiness was more than usual in Assam. Humidity was not much different from normal. Both maximum and minimum temperatures were above the average in Bihar and Orissa; the maximum was below normal in Assam.

The United Provinces, Central India and the Central Provinces.—Rainfall during the month was in large defect. Skies were less clouded than usual except in the United Provinces West, where they were normally clouded. The air was generally drier than usual. Both maximum and minimum temperatures were above normal in the United Provinces East, Berar and the Central Provinces East, and the maximum alone in the United Provinces West, Central India East and the Central Provinces West.

Northwest India.—The total rainfall of the month was normal in Kashmir, in excess in Rajputana West, in moderate defect in Rajputana East and in large defect elsewhere. Cloud proportion was more than usual in the Punjab Southwest, the North-West Frontier Province and Baluchistan, and less in Sind and Rajputana. Humidity was in defect in the Punjab, the North-West Frontier Province and Rajputana. Both day and night temperatures were above the average in the Punjab East and North and the North-West Frontier Province. The mean minimum temperature was above normal in Baluchistan.

The Peninsula.—Rainfall was normal in the Konkan, in slight defect in the Madras Deccan and in moderate to large defect elsewhere. Skies were more clouded than usual in the Madras Presidency and Mysore. Humidity was in defect in Hyderabad North. Maximum temperature was above normal in Hyderabad South and the minimum in Hyderabad North.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 10th June 1929.

S. C. ROY,
for *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	11·96	11·10	+0·86	+ 8	−1·0	−0·3	+ 1	+0·5
Assam	26·41	12·00	+14·41	+ 120	−2·5	−0·6	+ 4	+1·5
Bengal ...	5·77	8·51	−2·74	− 32	+1·2	+1·4	0	+1·1
Bihar and Orissa ...	0·99	3·00	−2·01	− 67	+3·6	+2·6	0	+0·2
United Provinces ...	0·27	0·81	−0·54	− 67	+3·9	+2·1	−10	−0·5
Punjab ...	0·12	0·70	−0·58	− 83	+2·0	+2·0	−11	+0·2
North-West Frontier Province.	0·03	0·61	−0·58	− 95	+2·3	+2·5	−17	+0·5
Sind ...	0·01	0·14	−0·13	− 93	+0·6	+1·1	− 2	−0·7
Rajputana ...	0·61	0·68	−0·07	− 10	+0·6	+0·3	− 7	−0·6
Bombay ...	0·74	1·01	−0·27	− 27	+1·2	+1·7	− 1	+0·2
Central India ...	0·08	0·53	−0·45	− 85	+2·1	+1·3	− 5	−1·1
Central Provinces ...	0·11	0·83	−0·72	− 87	+2·7	+2·0	− 5	−0·7
Hyderabad ...	0·35	0·99	−0·64	− 65	+2·6	+1·9	− 5	0
Mysore ...	3·22	4·20	−0·98	− 23	0	+0·5	+ 2	+1·2
Madras ...	1·88	3·10	−1·22	− 39	−0·2	+1·0	+ 1	+1·4
Mean of India ...	3·61	3·60	+0·01	0	+1·2	+1·2	− 3	+0·2

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	12·46	15·86	− 3·40	− 21	−1·4	−0·5	− 2	+1·7
2. Lower Burma ...	15·38	14·73	+ 0·65	+ 4	+0·1	−0·1	0	+1·0
3. Upper Burma ...	7·56	5·92	+ 1·64	+ 28	−2·5	−0·6	+ 2	−0·3
4. Assam ...	26·41	12·00	+14·41	+120	−2·5	−0·6	+ 4	+1·5
5. Bengal ...	5·77	8·51	− 2·74	− 32	+1·2	+1·4	0	+1·1
6. Orissa ...	0·86	3·65	− 2·79	− 76	+2·9	+2·9	− 1	+0·9
7. Chota Nagpur ...	0·54	2·65	− 2·11	− 80	+4·6	+3·3	+ 3	0
8. Bihar ...	1·36	2·69	− 1·33	− 49	+3·6	+2·2	− 1	−0·3
9. United Provinces, East ...	0·38	0·92	− 0·54	− 59	+4·2	+2·7	− 9	−1·0
10. Do. do. West ...	0·19	0·72	− 0·53	− 74	+3·5	+1·6	−12	+0·1
11. Punjab, East and North ...	0·11	0·84	− 0·73	− 87	+2·3	+2·2	−13	−0·1
12. Do. Southwest ...	0·12	0·47	− 0·35	− 74	+1·6	+1·7	− 5	+0·7
13. Kashmir ...	1·62	1·71	− 0·09	− 5	+0·1	−0·8	0	+0·3
14. North-West Frontier Province ...	0·03	0·61	− 0·58	− 95	+2·3	+2·5	−17	+0·5
15. Baluchistan ...	0·05	0·28	− 0·23	− 82	+0·7	+2·8	− 4	+0·8
16. Sind ...	0·01	0·14	− 0·13	− 93	+0·6	+1·1	− 2	−0·7
17. Rajputana, West ...	0·82	0·59	+ 0·23	+ 39	+0·7	+0·9	− 7	−0·8
18. Do. East ...	0·50	0·73	− 0·23	− 32	+0·5	−0·1	− 7	−0·5
19. Gujarat ...	0	0·29	− 0·29	−100	+1·5	+1·9	− 2	+0·2
20. Central India, West ...	0·07	0·63	− 0·56	− 89	+0·5	+1·3	− 7	−0·9
21. Do. do. East ...	0·10	0·43	− 0·33	− 77	+3·7	+1·3	− 4	−1·3
22. Berar ...	0·09	0·57	− 0·48	− 84	+2·6	+2·4	− 1	−0·5
23. Central Provinces, West ...	0·05	0·61	− 0·56	− 92	+2·1	+1·2	− 9	−0·7
24. Do. do. East ...	0·20	1·29	− 1·09	− 84	+3·5	+2·9	− 2	−1·0
25. Konkan ...	1·97	2·01	− 0·04	− 2	+0·9	+1·4	0	−0·4
26. Bombay, Deccan ...	0·90	1·29	− 0·39	− 30	+1·1	+1·6	− 1	+0·4
27. Hyderabad, North ...	0·02	0·94	− 0·92	− 98	+1·7	+2·3	− 9	+0·5
28. Do. South ...	0·61	1·04	− 0·43	− 41	+3·1	+1·7	− 3	−0·3
29. Mysore ...	3·22	4·20	− 0·98	− 23	0	+0·5	+ 2	+1·2
30. Malabar ...	5·54	8·71	− 3·17	− 36	+0·2	+0·5	+ 2	+1·3
31. Madras, Southeast ...	1·05	2·12	− 1·07	− 50	−0·6	+1·1	− 1	+1·5
32. Do. Deccan ...	1·26	1·53	− 0·27	− 18	−0·4	+0·7	+ 2	+1·9
33. Do. Coast North ...	1·16	1·76	− 0·60	− 34	+0·3	+1·3	+ 1	+1·2

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Bay Islands																				
Port Blair ...	29·722	-·006	S 65 W	3·3	81·9	78·0	87·3	-1·4	90·8	77·9	-0·5	75·1	83	-2	8·7	12·45	-3·40	20	+4·0	1·99
Lower Burma																				
Victoria Point ...	29·680	+·006	S 43 E	6·0	80·9	77·4	86·2	-0·5	89·9	76·4	+0·1	73·6	85	0	7·2	23·03	+5·95	21	+2·4	3·72
Mergui ...	29·736	-·001	...	...	80·0	78·1	88·6	-0·4	93·1	78·3	-1·1	71·6	92	+4	8·5	16·99	+0·06	22	+4·6	3·21
Tavoy ...	29·791	-·004	S 31 E	2·5	79·1	76·5	89·2	+0·3	95·8	72·7	-2·8	70·5	89	+2	7·7	27·60	+1·89	19	+0·7	5·22
Amherst ...	29·733	...	S 9 E	6·9	79·7	76·6	86·7	...	92·0	75·0	...	72·1	87	...	9·3	38·16	...	23	...	5·10
Rangoon ...	29·756	-·037	S 30 W	3·1	81·5	78·1	91·4	-0·3	103·9	76·0	-0·3	71·5	86	0	7·5	8·75	-3·23	13	-0·6	2·24
Bassein ...	29·752	+·007	N 38 W	3·5	83·6	78·4	93·4	+1·6	100·4	77·4	+0·1	71·9	79	-5	7·7	7·42	-2·42	12	+0·6	2·31
Diamond Island ...	29·718	-·012	S 51 W	6·5	84·2	79·4	88·5	-0·1	92·0	79·4	+0·4	70·3	80	+2	7·2	16·79	+6·19	16	+5·1	5·19
Gwa (e) ...	29·748	...	S 12 W	(f) 5·8	84·1	79·8	89·9	...	93·9	77·4	...	71·0	82	...	5·9	10·47	...	13	...	2·54
Toungoo ...	29·586	-·025	...	...	82·7	77·5	91·6	-1·1	100·7	77·0	+0·1	73·1	79	-2	5·5	3·84	-3·88	9	-1·5	0·89
Kyaukpyu ...	29·728	-·004	N 81 E	2·1	84·5	79·7	91·7	+1·5	95·7	79·0	+1·3	73·2	81	-1	5·8	10·30	-5·94	10	-2·0	2·69
Akyab ...	29·726	-·004	N 78 E	7·4	82·8	79·0	91·0	-0·5	93·8	78·5	+0·8	69·3	81	-3	7·5	23·70	+9·75	10	-0·5	5·80
Upper Burma																				
Minbu ...	29·561	-·011	S 45 E	2·3	85·4	77·6	99·8	+1·2	107·5	79·1	+0·4	74·4	70	-2	3·5	6·62	+0·98	5	-1·7	3·62
Yametthin ...	29·115	+·011	S 3 E	5·0	82·1	76·3	95·8	-0·9	102·0	75·6	-1·1	72·6	76	+1	4·0	4·95	-0·85	8	+0·1	1·22
Mandalay ...	29·489	-·004	S 9 E	3·4	84·3	77·2	95·9	-3·9	102·2	78·6	-0·4	73·1	72	+5	3·6	12·78	+6·93	7	-0·8	5·20
Monywa ...	29·481	+·013	S 89 E	2·2	84·1	77·0	96·6	-3·5	101·0	76·8	-2·0	69·4	71	+3	3·4	7·24	+2·22	4	-2·6	2·96
Lashio ...	26·983	-·008	N 36 E	3·2	73·0	68·9	84·4	-2·8	90·2	66·4	-0·4	62·2	81	+1	4·6	6·30	-0·61	12	+0·4	1·16
Bhamo ...	29·357	-·007	N 21 E	2·6	77·2	73·9	89·7	-3·7	98·5	71·8	-0·3	62·8	85	+4	7·6	8·82	+2·68	13	+2·9	2·25
Myitkyina ...	29·285	+·020	N 39 E	3·8	76·2	72·6	87·7	-3·6	95·4	71·5	-0·7	62·5	81	+2	7·5	6·18	+0·12	13	+3·8	2·08
Assam																				
Dibrugarh ...	29·387	-·020	S 75 E	1·2	73·4	71·4	81·5	-2·9	94·0	69·5	-1·3	64·4	91	+2	6·4	25·99	+14·81	18	+2·9	3·15
Sibsagar ...	29·421	-·002	N 42 E	3·5	75·0	74·0	82·2	-3·2	94·5	71·0	+0·4	65·5	95	+5	9·3	28·36	+16·47	23	+7·4	3·30
Tezpur ...	29·483	-·012	N 49 E	2·9	75·0	73·2	84·6	-2·3	98·5	71·7	-0·6	67·0	92	+6	8·7	23·02	+13·07	24	+9·7	2·60
Gauhati ...	29·542	-·012	N 49 E	1·6	76·8	74·2	86·3	-1·7	97·9	72·3	0	67·1	88	+4	7·4	15·58	+6·87	22	+9·0	1·96
Dhubri ...	29·594	-·013	S 89 E	8·8	76·5	73·8	83·8	-2·5	92·6	72·3	-0·8	68·0	88	+2	6·6	22·26	+7·57	18	+3·1	3·74
Silchar ...	29·659	+·007	N 85 E	1·6	76·4	73·8	86·1	-2·6	94·0	71·3	-1·3	66·8	89	+4	8·2	43·22	+27·63	22	+5·9	5·10
Bengal																				
Cox's Bazar ...	29·762	+·005	S 23 E	4·5	84·2	79·5	89·0	+0·4	91·9	77·6	+2·4	69·6	80	-4	4·5	4·03	-9·07	5	-6·1	1·90
Chittagong ...	29·652	+·004	S 29 E	(e) 8·9	82·8	78·1	89·0	+0·2	93·0	77·0	+1·6	65·0	80	-2	5·7	10·71	+1·22	10	-0·8	4·60
Narayanganj ...	29·679	-·006	S 24 E	5·2	83·8	79·4	92·4	+1·4	95·4	77·3	+1·4	68·8	82	-1	6·5	7·96	-1·45	7	-4·0	1·70
Barisal ...	29·684	-·009	S 3 E	5·1	86·0	80·6	92·6	+1·1	96·9	78·8	+2·2	69·8	78	-3	7·2	2·01	-7·01	4	-5·8	0·96
Jessore ...	29·645	-·015	S 6 W	5·2	84·2	80·5	97·0	+2·7	101·7	78·1	+1·6	70·4	84	+2	9·6	2·10	-5·98	1	-5·4	0·99
Calcutta ...	29·657	-·019	S 9 W	6·3	86·3	81·0	97·5	+2·9	102·2	81·3	+3·7	73·2	79	0	5·2	1·54	-4·21	4	-3·3	0·44
Saugor Island ...	29·644	-·024	S 11 W	18·9	86·7	81·6	90·5	-0·9	92·3	81·1	+0·5	69·5	79	-2	6·5	0·49	-3·92	2	-3·8	0·11
Bardwan ...	29·593	-·027	S 33 E	4·0	85·7	80·2	101·7	+4·1	109·6	79·7	+2·3	74·3	78	0	4·2	1·88	-4·25	6	-1·1	0·52
Berhampore ...	29·592	-·021	S 65 E	4·7	86·3	80·0	101·1	+4·5	108·9	78·0	+1·6	67·0	76	-4	5·6	3·52	-1·98	6	-1·4	0·90
Mymensingh ...	29·685	+·004	S 76 E	3·2	78·5	74·9	88·5	-0·6	95·5	72·8	-1·6	67·4	84	0	9·0	13·11	+0·57	14	+0·9	2·19
Bogra ...	29·617	-·013	S 76 E	3·7	81·1	77·5	93·5	+1·3	103·7	74·7	+0·4	68·6	85	+4	6·8	6·90	-1·60	7	-2·9	1·84
Dinajpur ...	29·554	-·019	N 78 E	3·7	79·5	75·8	90·3	-1·6	96·8	75·0	+1·1	68·5	83	+3	6·3	9·25	+1·66	9	+0·1	3·66
Jalpaiguri ...	29·413	-·032	S 80 E	2·1	78·5	[illegible]	89·5	+0·4	96·9	72·8	+0·4	68·0	85	+2	6·8	11·42	+0·35	19	+6·6	1·55
Orissa																				
Balasore ...	29·588	-·016	S 31 W	9·6	87·9	80·8	99·8	+2·9	109·1	82·7	+4·5	78·0	72	-3	5·7	1·22	-3·79	1	-5·4	1·16
Hukitola (False Point)	29·648	-·005	S 45 W	15·1	...	...	...	...	...	...	...	...	...	...	5·3	0·62	-4·35	0	-4·4	0·02
Cuttack ...	29·585	-·004	S 45 W	4·5	86·4	80·7	103·1	+1·9	110·0	81·9	+2·0	71·3	77	+3	6·3	1·50	-2·45	4	-1·6	1·07
Sambalpur ...	29·144	-·030	S 13 W	2·8	92·5	76·8	110·1	+3·9	114·2	83·3	+2·2	74·1	48	-4	3·5	0·69	-0·56	1	-1·4	0·63
Chota Nagpur																				
Chaibasa ...	28·698	-·021	S 34 W	3·5	88·0	77·3	108·1	+5·1	113·6	82·1	+4·0	71·3	61	-3	4·2	0·98	-2·25	1	-4·8	0·98
Ranchi ...	27·526	-·013	S 10 W	3·6	88·1	77·8	102·6	+4·1	106·4	77·9	+2·6	70·4	62	+10	1·1	0·01	-2·40	0	-4·9	0·01
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·63	-1·68	1	-3·1	0·63

(a) Reports only rainfall. (e) Mean of 27 days. (f) Mean of 26 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·536	−·029	N 81 E	3·0	80·8	75·9	95·3	+0·4	103·8	75·5	+1·2	68·5	80	+ 3	5·4	3·46	−0·94	5	−0·6	1·79
Darbhanga ...	29·454	−·051	S 84 E	5·5	82·6	75·2	98·8	+3·1	106·6	77·2	+1·4	66·9	70	− 2	2·9	1·25	−1·53	3	−1·1	0·94
Patna ...	29·435	−·033	N 76 E	5·3	86·6	76·6	104·2	+4·5	110·2	80·5	+2·8	72·5	63	− 1	1·5	0·02	−1·65	0	−2·9	0·02
Gaya ...	29·231	−·034	S 83 E	2·4	92·0	75·7	[illegible]	+5·6	113·2	83·4	+3·7	74·9	46	−11	0·3	0·22	−0·87	1	−0·8	0·22
Naya Dumka ...	29·148	−·031	S 24 E	3·3	85·8	78·3	103·1	+4·4	109·8	79·0	+2·0	72·1	71	+ 4	2·8	1·87	−1·66	5	−0·1	0·61
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·376	−·019	N 83 E	2·9	86·1	76·1	104·8	+4·3	109·6	78·7	+2·1	69·6	62	0	0·7	1·44	−0·03	1	−1·8	1·40
Benares ...	29·338	−·049	S 52 W	5·2	90·6	74·6	108·5	+3·5	112·3	81·6	+2·8	72·5	44	− 7	0·4	0·82	+0·21	1	−0·2	0·82
Allahabad ...	29·275	−·047	S 89 W	5·0	93·0	70·3	110·9	+4·3	115·2	82·5	+2·9	74·4	28	−14	0·6	0	−0·34	0	−0·9	0
Cawnpore ...	29·180	−·032	S 88 W	3·1	93·3	71·5	110·0	+4·3	114·5	82·3	+2·9	74·5	31	−14	0·4	0	−0·49	0	−1·1	0
Lucknow ...	...	...	S 84 E	1·9	91·2	72·6	108·8	+4·0	113·4	81·0	+3·3	72·1	39	− 7	1·4	0	−1·01	0	−1·5	0
Bahraich ...	29·261	−·032	S 82 E	4·0	87·8	72·9	106·6	+4·9	111·4	78·9	+2·1	72·1	47	−10	0·5	0	−1·67	0	−2·8	0
UNITED PROVINCES, WEST																				
Jhansi ...	28·810	−·025	S 83 W	4·0	96·4	68·0	109·4	+1·2	114·5	85·1	+1·4	78·4	18	−19	0·9	0	−0·38	0	−1·2	0
Agra ...	29·049	−·031	N 81 W	5·9	93·2	66·6	109·5	+2·0	114·8	79·4	+2·4	69·0	19	− 6	1·8	0	−0·47	0	−1·4	0
Mainpuri ...	29·080	−·032	N 78 W	3·1	92·5	68·7	110·3	+3·6	116·9	78·3	−0·2	70·4	26	−15	1·3	0	−0·55	0	−1·3	0
Bareilly ...	29·037	−·026	N 29 E	2·8	88·2	69·6	107·8	+5·0	113·4	79·3	+2·9	71·0	36	−13	1·5	0	−0·73	0	−1·7	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·25	+0·60	3	+1·4	0·55
Roorkee ...	28·691	−·045	S 62 E	3·7	89·4	68·9	106·4	+4·4	113·4	76·4	+2·4	67·5	32	− 9	2·0	0	−0·81	0	−1·9	0
Dehra Dun ...	27·409	−·040	N 33 W	1·7	80·3	62·9	100·4	+5·0	107·3	71·0	+6·7	65·6	34	−11	2·3	0·05	−1·39	0	−3·3	0·03
PUNJAB, EAST AND NORTH																				
Delhi ...	28·911	−·004	S 75 W	4·2	88·1	67·6	105·6	+1·6	113·0	84·3	+4·1	75·1	31	−10	1·0	0	−0·58	0	−1·8	0
Hissar ...	28·870	−·027	S 77 W	4·3	89·9	67·5	108·0	+1·5	114·6	78·2	+1·1	68·0	27	−11	0·3	0·28	−0·31	1	−0·5	0·28
Ambala ...	28·693	−·040	N 47 W	3·6	90·3	65·4	106·9	+3·2	116·2	78·2	+2·9	70·7	22	−21	2·4	0·05	−0·82	0	−1·7	0·03
Ludhiana ...	28·776	−·033	S 45 W	2·4	89·1	65·9	106·6	+2·7	115·5	77·1	+1·4	70·2	24	−15	3·0	0	−0·64	0	−1·6	0
Lahore ...	28·885	−·025	N 26 E	2·0	88·1	70·4	106·9	+2·0	116·8	76·4	+2·7	69·7	38	− 4	1·9	0·03	−0·67	0	−1·4	0·03
Sialkot ...	28·768	−·021	N 28 E	2·4	89·8	66·5	104·3	+1·9	115·8	74·7	+0·3	63·0	25	−18	0·4	0·11	−1·02	0	−2·3	0·06
Rawalpindi ...	27·970	−·015	N 73 E	2·6	86·6	64·1	101·1	+3·2	112·7	71·5	+3·2	61·0	26	−15	2·1	0·32	−1·02	2	−0·8	0·15
PUNJAB, SOUTHWEST																				
Khushab ...	28·986	−·025	N 46 E	5·1	91·7	65·7	105·2	+1·4	117·0	78·6	+1·9	69·0	19	−15	1·8	0	−0·73	0	−1·7	0
Lyallpur ...	28·979	−·029	S 50 E	2·2	87·7	68·9	104·8	+2·0	113·5	76·3	+2·7	67·1	36	− 4	2·6	0·32	−0·06	1	−0·4	0·27
Montgomery ...	29·021	−·025	S 5 E	3·5	90·3	71·5	106·5	+0·1	115·0	77·8	+0·3	69·4	37	+ 5	1·3	0·02	−0·33	0	−1·1	0·01
Multan ...	29·153	−·027	S 48 W	2·4	88·7	69·6	109·4	+2·8	116·5	80·0	+1·7	70·0	35	− 8	2·4	0·14	−0·21	0	−0·8	0·08
Bahawalpur ...	...	...	S 50 W	3·2	89·3	73·1	107·7	...	116·0	75·4	...	66·1	44	...	1·6	0·36	...	1	...	0·23
Khanpur ...	29·286	...	S 45 W	1·2	89·6	79·5	110·3	...	116·9	76·3	...	66·0	63	...	0·9	0·26	...	1	...	0·18
KASHMIR																				
Srinagar ...	24·843	+·026	S 19 E	3·1	61·0	56·0	77·7	+1·9	92·8	50·4	−1·4	43·6	74	− 6	3·5	2·32	+0·05	4	−1·3	1·00
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·31	−0·40	13	+4·1	0·73
Dras ...	20·815	+·020	S 66 W	5·1	45·6	40·2	60·7	+1·5	73·1	37·6	+4·6	33·3	67	− 2	4·4	1·77	−0·62	7	+2·0	0·33
Leh ...	19·729	+·017	S 10 W	3·2	47·6	37·5	62·2	−1·7	76·9	36·7	−0·2	31·4	43	+ 4	5·3	0·86	+0·65	1	+0·3	0·48
Skardu ...	22·867	+·039	S 66 W	1·7	57·3	47·2	71·6	−1·1	85·6	(b) 43·7	−6·2	34·7	47	− 5	4·2	0·25	−0·71	1	−1·0	0·12
Gilgit ...	25·081	+·006	Calm	0·6	66·3	57·5	83·6	−0·2	96·0	59·4	−0·8	51·8	58	+ 9	3·5	0·23	−0·50	0	−2·2	0·07
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·487	−·073	N 46 E	2·9	88·6	65·3	101·7	+3·0	115·3	73·1	+3·2	64·5	25	−19	3·2	0·05	−0·77	0	−2·0	0·05
Dera Ismail Khan ...	29·022	−·028	N 46 E	2·6	91·0	70·1	105·2	+1·5	116·6	76·6	+1·8	67·8	32	−16	1·0	0	−0·40	0	−0·9	0
BALUCHISTAN																				
Fort Sandeman ...	25·289	0	S 57 W	3·3	72·9	55·3	94·4	+2·4	105·3	66·5	+2·7	57·6	31	− 6	1·4	0·11	−0·63	1	−0·3	0·11
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·48	0	−0·8	0
Quetta ...	24·621	+·062	N 45 E	5·1	67·1	50·8	86·6	+2·8	96·7	55·3	+3·3	44·9	30	−16	2·4	0·01	−0·36	0	−1·0	0·01
Chaman ...	25·627	+·037	S 13 W	5·7	75·4	55·6	92·2	+1·3	100·6	67·4	+3·1	59·2	25	−11	2·4	0	−0·12	0	−0·4	0
Kalat ...	23·687	−·010	S 35 W	6·7	60·2	52·2	80·4	−2·8	90·0	48·5	+3·7	38·9	60	+12	1·6	0·20	−0·02	1	+0·2	0·14
Dalbandin ...	26·985	+·015	S 45 W	5·2	77·8	59·8	101·6	−0·1	108·4	68·2	+1·4	55·1	31	0	0·8	0	−0·13	0	−0·3	0
Mirjawa ...	27·053	...	N 61 W	8·0	73·7	57·3	96·8	...	110·8	69·9	...	59·3	32	...	1·3	0·25	...	1	...	0·25
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·416	-·009	S 77 E	3·8	93·2	74·4	112·4	+0·3	118·9	80·0	+1·3	67·7	39	- 5	0·5	0·03	-0·11	0	-0·4	0·03
Hyderabad ...	29·541	-·012	S 29 W	6·8	88·7	75·0	107·9	+0·9	115·2	79·3	+1·1	73·5	52	- 3	0·3	0	-0·20	0	-0·1	0
Karachi ...	29·674	-·014	S 81 W	(c) 12·0	83·7	79·0	89·6	+0·7	104·0	79·7	+1·0	76·7	81	+ 1	1·8	0	-0·07	0	-0·1	0
RAJPUTANA, WEST																				
Bikaner ...	28·866	+·008	S 34 W	8·0	90·2	68·7	106·5	-0·9	112·2	82·0	-0·3	75·0	30	-14	0·8	1·44	+0·72	3	+1·7	0·91
Jodhpur ...	28·884	-·009	S 43 W	4·7	87·7	70·4	108·2	+2·2	113·7	81·8	+2·0	71·4	40	- 1	0	0·20	-0·25	1	-0·1	0·20
RAJPUTANA, EAST																				
Jaipur ...	28·251	+·009	N 68 W	3·9	89·8	67·5	106·6	+0·5	111·7	77·6	-0·5	71·5	29	- 8	1·0	0·57	-0·01	2	+0·5	0·35
Ajmer ...	28·095	+·005	S 62 W	6·8	88·2	67·8	103·7	+0·3	108·5	80·1	0	69·9	33	-10	0·8	0·89	+0·29	3	+1·4	0·46
Kotah ...	28·820	-·010	N 83 W	4·7	96·2	71·2	109·1	+0·8	113·8	85·3	+0·3	79·0	26	- 3	0·4	0·22	-0·37	1	-0·3	0·22
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·33	-0·81	1	-1·2	0·33
GUJARAT																				
Deesa ...	29·252	-·009	S 65 W	9·6	86·7	74·4	109·1	+2·1	116·9	78·2	+0·8	73·2	55	- 2	1·4	0·01	-0·42	0	-0·7	0·01
Bhuj ...	29·370	-·016	S 85 W	8·8	87·8	74·8	101·7	+0·5	113·0	78·6	+2·0	74·2	53	-14	0·2	0	-0·97	0	-0·2	0
Dwarka ...	29·711	-·006	S 86 W	12·9	84·7	79·6	89·0	+0·9	90·8	82·2	+1·9	80·4	79	- 2	2·1	0	-0·01	0	0	0
Rajkot ...	29·301	-·013	S 75 W	13·1	85·7	75·4	107·4	+2·3	114·1	77·6	+2·5	71·0	61	- 6	5·8	0	-0·43	0	-0·6	0
Veraval ...	29·758	+·005	N 79 W	(b) 10·8	84·2	79·0	88·6	+2·4	96·9	81·2	+2·6	76·6	79	- 3	2·9	0	-0·31	0	-0·4	0
Surat ...	29·736	0	S 29 W	6·1	87·9	79·0	98·0	+0·6	106·7	81·3	+2·8	78·6	66	- 1	4·7	0	-0·24	0	-0·4	0
Bhavnagar ...	29·693	-·016	S 83 W	6·5	87·3	78·6	106·2	+1·2	111·6	79·3	+1·1	75·5	67	+ 3	2·0	0·01	-0·43	0	-0·9	0·01
Ahmadabad ...	29·578	-·010	N 82 W	5·9	86·8	78·3	109·0	+1·6	116·4	80·3	+1·1	75·6	67	+ 8	1·8	0	-0·43	0	-0·7	0
CENTRAL INDIA, WEST																				
Neemuch ...	28·112	+·017	W	8·1	88·9	72·6	104·1	+0·5	109·3	78·3	+1·1	74·4	45	- 4	0·2	0·13	-0·54	0	-1·4	0·05
Indore ...	27·908	-·012	N 66 W	6·1	86·9	69·4	103·4	+0·5	108·9	77·6	+1·5	71·5	40	-10	0·5	0	-0·58	0	-1·5	0
CENTRAL INDIA, EAST																				
Nowgong ...	28·887	-·006	S 84 W	2·5	94·7	73·7	111·1	+4·1	116·1	79·5	-0·2	71·9	34	- 1	0·9	0·16	-0·23	1	0	0·16
Sutna ...	28·582	-·019	N 84 W	4·7	96·1	70·2	108·6	+3·4	113·1	(e) 82·5	+2·9	74·2	25	- 7	1·4	0·04	-0·44	0	-1·3	0·04
BERAR																				
Akola ...	28·777	-·013	N 76 W	6·7	90·8	71·9	111·4	+3·4	117·1	83·4	+2·4	79·0	37	- 2	2·3	0·18	-0·28	1	-0·1	0·18
Amraoti ...	28·483	-·010	S 87 W	7·0	93·4	75·1	109·3	+1·8	112·8	82·7	+2·4	76·5	40	+ 1	1·0	0	-0·68	0	-1·6	0
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·662	-·014	N 69 W	8·3	91·1	73·3	109·1	+2·4	114·4	82·4	+1·4	76·0	41	- 1	0·4	0	-0·42	0	-0·9	0
Hoshangabad ...	28·694	-·001	S 65 W	3·5	89·9	68·9	110·8	+3·6	113·3	81·1	+0·9	76·4	31	- 8	1·0	0·19	-0·39	1	-0·2	0·19
Saugor ...	27·879	-·010	N 82 W	4·3	91·7	65·8	105·7	+1·0	110·4	79·7	+0·7	73·4	21	-12	0·7	0	-0·50	0	-1·1	0
Jubbulpore ...	28·330	-·014	N 90 W	2·0	91·7	68·1	106·9	+1·6	111·1	77·7	-0·8	70·9	26	- 8	0·8	0·06	-0·47	0	-1·3	0·06
Seoni ...	27·661	-·021	N 14 W	3·4	93·5	66·7	105·7	+2·3	109·8	78·7	+2·6	73·3	20	-13	1·5	0·05	-0·74	0	-2·1	0·03
Nagpur ...	28·659	-·004	N 46 W	4·3	95·7	67·9	110·6	+2·0	114·3	84·2	+2·4	76·4	19	-14	2·5	0	-0·83	0	-2·1	0
CENTRAL PROVINCES, EAST																				
Pendra ...	27·638	-·023	N 57 W	4·7	91·8	72·3	104·3	+3·2	108·1	80·7	+3·0	73·7	37	+ 3	2·2	0	-0·96	0	-2·4	0
Raipur ...	28·668	-·027	N 63 W	2·3	96·1	(b) 74·1	110·8	+4·0	114·5	86·3	+4·7	81·2	(b) 34	- 3	1·0	0	-1·00	0	-2·3	0
Kanker ...	28·348	...	S 60 W	4·4	93·8	73·7	(h) 105·0	...	111·3	82·4	...	73·8	37	...	2·3	0	...	0	...	0
Chanda ...	29·031	-·026	S 84 W	2·9	95·0	71·3	112·7	+3·5	117·3	84·7	+2·8	78·4	28	-10	0·8	0	-0·71	0	-1·7	0
Jagdalpur ...	27·886	-·026	S 43 W	3·5	87·0	76·2	102·6	+3·4	106·4	75·7	+1·0	69·2	60	+ 1	2·9	0·80	-1·71	2	-3·5	0·58
KONKAN																				
Bombay ...	29·763	-·004	S 88 W	6·9	86·0	79·1	93·2	+2·4	94·8	82·2	+2·9	79·7	72	- 2	3·5	0	-0·84	0	-0·8	0
Ratnagiri ...	29·590	-·008	N 40 W	7·4	85·6	78·7	90·6	-0·2	92·0	80·8	+1·1	78·4	73	+ 3	2·5	0·37	-0·93	1	-0·5	0·36
Marmagao ...	29·731	-·018	S 89 W	5·9	...	...	...	...	...	...	...	...	...	...	5·3	0·19	-2·44	1	-1·7	0·10
Karwar ...	29·766	0	N 34 W	3·5	83·8	78·1	90·4	+0·6	93·7	79·8	+0·2	73·0	77	0	4·2	7·31	+4·08	6	+2·5	3·93
BOMBAY DECCAN																				
Malegaon ...	28·329	+·001	N 86 W	6·8	88·7	71·5	106·1	+1·3	111·1	75·6	+0·4	69·0	42	- 6	1·5	0	-0·85	0	-1·3	0
Ahmadnagar ...	27·635	-·008	N 49 W	5·8	85·9	68·0	102·2	+0·9	107·0	74·7	+2·8	68·9	38	-12	1·0	0·91	0	2	+0·4	0·78
Poona ...	27·952	0	N 80 W	5·8	81·3	70·6	100·1	+0·4	108·0	72·6	+0·7	67·3	58	+ 2	2·7	0	-1·20	0	-1·8	0
Sholapur ...	28·200	+·004	N 53 W	5·0	86·2	72·7	105·3	+2·2	108·3	78·8	+2·1	74·0	52	+ 2	3·3	1·33	+0·30	2	-0·2	0·78
Bijapur ...	27·851	+·012	N 77 W	6·5	83·4	72·3	102·2	+1·2	105·1	75·7	+1·4	71·5	58	- 2	4·2	1·71	+0·45	2	-0·8	1·10
Belgaum ...	27·275	+·008	S 78 W	3·9	75·8	70·9	93·7	+0·6	99·8	76·6	+2·4	67·0	78	+ 8	5·1	1·47	-0·99	3	-1·6	0·84
HYDERABAD, NORTH																				
Aurangabad ...	27·874	-·009	N 78 W	10·9	86·0	68·6	104·2	+0·6	108·7	76·7	+1·5	72·0	40	- 3	3·3	0	-0·85	0	-1·5	0
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-1·35	0	-2·0	0
Nizamabad ...	28·448	-·040	S 75 W	3·0	90·7	69·1	109·0	+2·7	111·5	84·2	+3·2	77·8	31	-16	2·6	0·06	-0·55	0	-1·5	0·06

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (e) Mean of 27 days. (h) Mean of 24 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·255	+·003	N 69 W	8·6	87·3	71·6	106·8	+2·2	109·7	80·3	+2·1	69·4	46	- 9	3·2	1·55	+0·36	3	+0·3	0·85
Raichur ...	28·451	+·006	N 77 W	7·4	87·2	77·2	105·8	+2·5	109·4	79·4	+0·2	75·0	63	+ 7	0·7	0·62	-0·42	2	0	0·45
Hyderabad ...	28·023	-·004	N 76 W	3·9	89·5	72·3	107·2	+4·1	110·0	82·1	+2·1	72·0	43	- 8	4·2	0·16	-0·84	1	-1·3	0·16
Hanamkonda ...	28·808	-·024	S 8 W	6·8	92·1	75·1	108·1	+3·4	111·5	84·4	+2·4	79·2	45	- 4	3·4	0·09	-0·83	0	-2·0	0·09
MYSORE																				
Chitaldrug ...	27·420	+·005	S 77 W	5·3	76·9	71·2	95·3	+0·9	103·3	72·5	+1·0	67·0	75	+ 4	6·8	2·49	-0·56	4	-0·5	1·25
Bangalore ...	26·850	+·014	N 85 W	5·8	76·1	70·5	91·3	-0·4	97·1	69·5	+0·3	63·6	75	+ 1	6·5	2·96	-1·40	7	+0·2	1·27
Mysore ...	27·322	-·007	S 82 W	4·9	75·5	70·4	91·4	-0·4	95·8	69·8	+0·1	64·0	77	+ 2	5·5	4·21	-0·97	8	+0·5	0·98
MALABAR																				
Mangalore ...	29·732	-·011	N 61 E	4·9	83·5	78·2	90·7	-0·5	92·5	78·2	-0·3	71·6	78	+ 5	6·7	7·17	+0·97	6	-0·6	4·20
Calicut ...	29·782	-·001	N 11 W	5·5	84·7	78·7	93·1	+3·2	94·9	78·7	+0·5	71·8	76	- 4	8·0	3·79	-4·74	5	-3·5	1·91
Cochin ...	29·802	-·008	N 86 E	3·6	84·1	79·7	88·6	-1·1	91·3	78·5	+0·9	75·0	82	+ 2	6·9	4·84	-6·83	12	-0·2	2·16
Trivandrum ...	29·594	-·020	N 33 W	(f) 5·2	81·6	78·2	85·8	-0·9	88·4	78·9	+1·0	75·9	85	+ 4	7·4	6·35	-2·10	10	+0·1	1·33
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·30	-1·27	1	-1·7	0·30
Pamban ...	29·714	-·015	S 9 W	10·4	84·5	80·0	89·5	-1·9	91·9	81·9	+0·9	74·9	81	+ 3	4·7	2·05	+1·22	5	+3·4	0·64
Madura ...	29·297	-·007	N 59 W	3·3	84·8	76·6	99·3	-0·7	104·2	79·2	+1·2	71·8	67	+ 1	7·8	1·62	-1·27	5	+0·3	0·44
Negapatam ...	29·725	+·002	S 63 W	5·7	87·2	79·8	97·5	0	104·3	82·0	+1·6	77·9	71	+ 1	6·0	0·32	-1·29	2	+0·1	0·20
Trichinopoly ...	29·504	-·006	S 54 W	4·7	86·2	76·7	100·8	-0·8	105·6	79·9	+1·1	70·0	63	- 2	5·7	1·57	-1·57	2	-2·1	1·23
Coimbatore ...	28·436	-·011	S 5 W	2·4	81·5	75·0	94·0	-0·8	97·3	74·2	+0·7	69·0	73	- 7	3·5	0·86	-1·50	3	-1·8	0·49
Salem ...	28·855	-·004	S 47 W	4·0	83·7	76·1	99·1	-0·5	102·6	77·9	+1·5	73·2	70	- 2	5·0	0·96	-3·76	3	-4·7	0·39
Cuddalore ...	29·714	+·008	S 44 W	6·7	87·4	80·0	97·2	-1·2	104·8	81·5	+1·2	77·8	71	+ 1	5·5	0·04	-0·69	0	-1·2	0·04
Vellore ...	29·032	-·113	N 85 W	4·1	85·8	75·6	101·7	-0·1	105·6	79·4	+0·7	71·7	61	- 4	5·0	1·98	-0·32	5	+1·1	0·95
Madras ...	29·695	-·018	S 33 W	6·5	88·6	78·6	99·4	+0·9	108·1	81·8	+0·6	74·8	63	- 3	4·5	0·75	-0·32	1	-0·1	0·75
MADRAS, DECCAN																				
Cuddapah ...	29·319	0	N 68 W	5·7	89·4	77·9	105·5	-0·4	109·4	83·9	+0·8	73·8	58	+ 3	5·9	0·52	-1·05	2	-0·8	0·21
Bellary ...	28·294	-·004	N 69 W	5·7	83·0	73·0	100·7	-1·7	104·4	78·2	+0·7	73·4	61	+ 6	4·5	1·86	-0·10	3	-0·4	1·28
Kurnool ...	28·819	-·007	S 87 W	8·1	86·8	74·7	105·4	+0·8	109·5	81·6	+0·7	76·5	55	- 2	6·5	1·39	+0·33	3	+0·5	0·71
MADRAS COAST, NORTH																				
Nellore ...	29·650	+·002	S 45 W	5·0	88·6	78·4	105·5	+0·9	112·1	82·5	+1·0	72·9	63	0	5·3	1·41	+0·53	2	+0·8	1·10
Masulipatam ...	29·687	-·020	S 20 W	6·2	89·5	82·3	99·4	-0·3	109·8	82·9	+1·4	73·0	73	- 3	4·2	1·49	+0·15	3	+1·0	0·71
Cocanada ...	29·685	-·009	S 51 W	6·1	88·5	81·0	100·6	+1·4	111·6	82·6	+0·8	76·3	71	- 3	6·5	0·16	-1·58	0	-2·7	0·07
Vizagapatam (b) ...	29·651	-·016	S 89 W	(d) 10·5	87·8	81·7	92·7	+0·7	98·7	82·9	+2·1	75·0	76	+ 5	7·7	2·67	+0·68	4	+1·0	2·08
Calingapatam ...	29·671	-·008	S 50 W	10·0	87·9	81·9	94·0	-0·9	96·7	81·6	+1·6	71·7	77	+ 1	5·7	0·68	-2·21	2	-1·6	0·45
Gopalpur ...	29·609	-·014	S 40 W	15·3	85·5	83·5	89·9	-0·2	92·8	80·8	+0·7	76·0	91	+ 9	4·1	0·53	-1·44	1	-2·1	0·48
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·323	0	S 43 W	1·5	72·8	68·9	80·7	-1·5	84·4	65·1	+0·8	60·0	82	+ 2	4·2	8·75	-0·95	11	-0·8	3·31
Shillong ...	...	...	S 57 W	5·3	68·3	62·8	75·4	+1·4	79·4	60·2	+1·4	56·0	74	+ 1	6·5	8·25	-2·32	17	-0·3	1·36
Cherrapunji ...	25·570	-·023	S 25 W	7·2	66·7	64·3	71·4	-0·9	78·2	61·6	+1·2	57·0	88	+ 2	8·6	87·90	+41·52	27	+5·9	11·18
Darjiling ...	22·874	-·013	N 45 E	3·6	58·3	56·7	66·7	+2·1	73·3	54·4	+2·1	50·4	91	+ 3	8·8	2·97	-5·73	9	-5·3	0·93
Mukteswar ...	22·798	+·010	S 78 W	7·6	64·8	59·1	75·7	+2·2	84·4	59·0	+4·1	48·0	35	-16	2·0	1·31	-1·23	3	-2·9	0·51
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·71	-3·07	3	-3·0	0·31
Chakrata ...	(b) 23·331	+·039	N 87 E	7·2	69·3	52·2	78·9	+4·8	87·0	60·3	+3·7	48·2	31	-18	3·4	0·39	-2·05	2	-3·4	0·25
Simla ...	23·048	+·008	N 58 E	2·5	68·4	50·5	74·7	+2·6	85·4	60·5	+2·4	48·1	27	-17	2·4	0·95	-1·92	4	-1·3	0·47
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·69	...	3	...	0·31
Murree ...	23·935	+·036	S 10 E	5·0	70·2	53·2	77·7	+1·9	89·5	63·1	+3·8	49·8	23	- 9	1·9	1·14	-1·73	2	-3·0	0·80
Cherat ...	25·552	+·002	N 21 E	5·8	76·2	(b) 64·6	(b) 89·0	+2·6	101·5	69·7	+3·0	55·9	(b) 58	+16	1·9	0·23	-1·33	1	-1·7	0·20
Parachinar ...	24·365	+·014	Calm	2·9	71·8	55·2	82·5	+2·9	95·4	55·4	-0·3	45·9	34	-12	1·5	0·42	-2·09	2	-5·1	0·15
Drosh ...	...	...	N 61 E	3·2	68·4	61·5	85·7	+3·5	97·0	62·3	+3·1	53·2	68	+14	2·4	0·49	-1·46	3	-1·1	0·24
Mount Abu ...	25·945	+·006	S 83 W	6·3	79·6	60·3	89·1	+1·1	95·0	71·7	+0·6	62·0	32	- 6	0·7	0·02	-1·04	0	-1·6	0·02
Pachmarhi ...	26·335	+·010	N 50 W	4·6	84·7	64·8	97·3	+1·8	102·1	77·4	+2·4	69·2	33	- 4	6·5	0·02	-0·59	0	-1·7	0·02
Mercara ...	26·149	+·012	N 67 W	4·2	70·9	67·2	80·6	+0·5	84·1	64·4	+0·2	61·0	82	- 4	5·2	4·14	-1·51	6	-2·7	2·00
Kodaikanal ...	22·785	+·019	N 13 E	5·8	63·0	55·9	70·2	+0·8	72·7	55·2	+0·6	51·4	65	- 3	5·4	7·19	+1·17	11	+ 0·4	2·29
Coonoor ...	24·384	...	S 86 E	3·3	69·9	63·0	76·0	...	...	58·1	...	...	69	...	3·8	5·43	...	6	...	2·24
CEYLON																				
Colombo ...	29·793	-·004	S 54 W	(d) 3·9	79·2	76·6	86·7	-1·4	88·3	77·5	-0·3	69·1	89	+ 4	8·9	16·61	+5·03	20	+6·7	2·70

(a) Reports only rainfall. (b) Mean of 30 days. (d) Mean of 28 days. (f) Mean of 26 days.

MONTHLY WEATHER REPORT

FOR

June 1929

Supplement to the Indian Daily Weather Report for the 15th July 1929

Published by order of the Governor-General in Council

Summary.—The monsoon was normally active over the country except in Bihar and Orissa, Rajputana, east Central India, the west Central Provinces and Mysore where rainfall was in defect. Exceptionally heavy rain in the Surma valley in Assam between the 5th and 11th caused severe floods.

1. The Arabian Sea monsoon which had appeared on the west coast on the 29th May caused heavy rain up to the 6th and was normally active there till the 9th. It extended inland in the south of the Peninsula on the 2nd, into the Bombay Deccan and Hyderabad in the course of the next two days and into the central parts of the country and Gujarat between the 5th and 9th. Some of the heavy falls of rain recorded during this period are:—Marmagao 6″ on the 1st and 5″ on the 2nd, Karwar 5″ on the 1st and 8″ on the 2nd, Cochin 5″ on the 2nd and 6″ on the 4th, Bombay 7″ on the 5th and Mahuva (Kathiawar) 9″ in three hours on the 7th morning. A break in the rains set in in the Peninsula and the central parts of the country after the 9th. The monsoon, however, revived along the west coast on the 12th and penetrating into the interior of the Peninsula in the course of the next two days remained active till the end of the month. It also extended occasionally into the central parts of the country and northwest India during the second half of the month.

2. The Bay current extended into Assam and the Gangetic plain on the 1st and was vigorous in Burma till the 12th. A depression which formed in the north Bay of Bengal on the 1st developed by the morning of the 3rd into a storm about 100 miles to the west of Akyab. It crossed the coast near Cox's Bazar on the evening of the 3rd and dissipated by the 5th morning after causing heavy rain in the Arakan and Chittagong divisions; Gwa had 4″ on the 2nd, Akyab 3″ on the 3rd and 4″ the next day, Cox's Bazar 3″ on the 3rd and 4th, Chittagong 6″ on the 4th and 4″ on the 5th and Kyaukpyu 7″ on the 3rd and 6″ on the 4th. It is reported that very heavy rain in the Arakan hills between the 6th and 9th resulted in floods in the Akyab district. It is said that many people have been rendered homeless and a large number of cattle carried away by these floods. The damage is estimated at about Rs. 25,00,000. The monsoon was vigorous in Assam between the 5th and 11th rainfall being exceptionally heavy in Sylhet and Cachar districts and the adjoining hills. Silchar had 4″ on the 9th, 9″ on the 10th and 3″ the next day and Kangpopki (Manipur) 8″ on the 9th and 5″ on the 10th. This heavy rain was responsible for severe floods in the Surma valley and a complete break-down of all means of communications between the Sylhet and Cachar districts and the rest of India for almost a week. It is reported that hundreds of people have been rendered homeless and about 30 per cent of the cattle have perished. The Bay current was also fairly active in Bengal and Bihar and Orissa between the 5th and 9th with occasional excursions in the United Provinces during the period. It was feeble in Burma and northeast India between the 13th and 22nd when its field of activity was shifted due to the formation of a depression in the north Bay of Bengal off the Orissa Ganjam coast which was centred about one hundred and fifty miles southeast of Gopalpur on the 19th morning. It crossed the coast near Gopalpur on the 20th morning, moved northwestwards to Central India through the Central Provinces and then curved northeastwards to the United Provinces where it disappeared on the 24th. Rainfall was heavy along and near the track of the depression, it being very heavy in the catchments of the Gumti and Gogra rivers in the United Provinces; Vizagapatam had 7″ and Jagdalpur 3″ on the 19th, Jagdalpur 4″ and Akola 3″ on the 20th, Bahraich 11″, Cawnpore 5″ and Mainpuri 4″ on the 22nd and Bahraich 9″ and Lucknow 4″ the next day. Under the influence of this depression the monsoon extended in the United Provinces, the central parts of the country and northwest India between the 19th and 23rd. The Bay monsoon strengthened in Burma after the 22nd and extending in northeast India in the course of the next three days remained fairly active till the end of the month. It also extended occasionally in the United Provinces during the last week of the month.

3. Weather was disturbed over northwest India between the 8th and 13th when widespread duststorms occurred there with extensive rain along and near the western Himalayas on the 12th and 13th. Parts of the Punjab were overrun by a heat wave between the 6th and 11th and it is reported that many deaths occurred in Dehli due to sunstroke. Duststorms were numerous in northwest India between the 24th and 26th when weather was again disturbed and widespread rain fell along and near the western Himalayas on the 25th with local rain in the northeast Punjab the next day.

4. The month's rainfall was in large excess in the east United Provinces, the Konkan and the north Madras coast and in large defect in Orissa, Chota Nagpur, the North-West Frontier Province, Baluchistan, Sind and west Rajputana. It was normal in Bengal, west Central India, north Hyderabad and southeast Madras, in slight to moderate excess in the Bay Islands, Burma, Assam, Kashmir, Berar, the east Central Provinces, the Bombay Deccan, south Hyderabad and Malabar, and in slight to moderate defect elsewhere. Averaged over the plains of India, the rainfall of the month was in excess by 9 per cent.

5. Maximum temperature was above normal in Kashmir and the North-West Frontier Province up to the 10th and in the Punjab from the 6th to the 8th, the minimum was higher than usual in the southwest Punjab up to the 9th and the east and north Punjab and the west United Provinces between the 8th and 12th. Both day and night temperatures were below the average in the Punjab from the 12th to the 15th. Maximum temperature was below normal in Upper Burma between the 8th and 13th, in Assam from the 10th to the 13th, in the North-West Frontier Province and Kashmir between the 12th and 15th and in west Rajputana from the 11th to the 15th, and above it in Orissa from the 12th to the 15th, in Chota Nagpur between the 12th and 18th and again from the 22nd to the 25th, in Bihar between the 16th and 22nd, in the east United Provinces from the 17th to the 20th, in Central India between the 25th and 30th and in the west Central Provinces from the 16th to the 20th. The month's mean maximum temperature was above normal in east Central India and below it in Upper Burma ; the minimum was above the average in the North-West Frontier Province and below it in Baluchistan and east Central India.

Summary of the Local Conditions

Burma, including the Bay Islands.—Rainfall was in slight excess. Cloud proportion and humidity were not much different from normal. Maximum temperature was below normal in Upper Burma.

Northeast India, including Orissa.—The month's rainfall was slightly above normal in Assam, normal in Bengal and in moderate to large defect elsewhere. Cloudiness was more than usual in Chota Nagpur. Humidity was below normal in Bihar. Both maximum and minimum temperatures were roughly normal.

The United Provinces, Central India and the Central Provinces.—Rainfall during the month was in large excess in the east United Provinces, in slight excess in Berar and the east Central Provinces, normal in west Central India and in slight to moderate defect elsewhere. Skies were less clouded than usual in east Central India. Humidity was in excess in the east Central Provinces. Maximum temperature was above normal and the minimum below it in east Central India.

Northwest India.—The total rainfall of the month was in moderate excess in Kashmir, in large defect in the North-West Frontier Province, Baluchistan, Sind and west Rajputana and in slight to moderate defect elsewhere. Cloud proportion was less than usual in the east and north Punjab, Baluchistan and west Rajputana and more in the North-West Frontier Province and Sind. Humidity was in defect in the North-West Frontier Province and Baluchistan. Minimum temperature was above normal in the North-West Frontier Province and below it in Baluchistan.

The Peninsula.—The month's rainfall was in large excess in the Konkan and the north Madras coast, in moderate excess in the Bombay Deccan, south Hyderabad and Malabar, normal in north Hyderabad and southeast Madras and in slight to moderate defect elsewhere. Cloudiness was less than usual in the Konkan. Other climatic elements were not much different from normal.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 9th July 1929.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	25·23	21·58	+3·65	+ 17	−1·8	−0·7	+ 2	+0·8
Assam	19·77	17·47	+2·30	+ 13	−1·4	−0·2	0	+0·4
Bengal ...	16·68	16·05	+0·63	+ 4	+1·0	+0·1	− 2	+0·6
Bihar and Orissa ...	4·49	9·33	−4·84	− 52	+1·4	+0·3	− 4	+0·4
United Provinces ...	6·36	4·79	+1·57	+ 33	−0·4	+0·2	0	+0·1
Punjab ...	1·60	1·95	−0·35	− 18	0	+1·0	0	−0·3
North-West Frontier Province.	0·25	0·51	−0·26	− 51	+0·5	+2·1	− 7	+0·4
Sind ...	0	0·50	−0·50	−100	−0·4	+0·5	+ 1	+1·0
Rajputana ...	1·32	2·31	−0·99	− 43	+0·6	+0·3	− 2	−0·9
Bombay ...	13·39	9·75	+3·64	+ 37	−0·5	+0·1	+ 1	+0·1
Central India ...	3·96	5·52	−1·56	− 28	+1·5	−2·3	+ 1	−1·1
Central Provinces ...	7·11	7·52	−0·41	− 5	+0·6	−0·7	+ 2	+0·1
Hyderabad ...	6·36	5·49	+0·87	+ 16	−0·9	−0·5	+ 4	−0·5
Mysore ...	1·63	2·89	−1·26	− 44	−0·5	−0·2	+ 1	+0·6
Madras ...	10·11	7·03	+3·08	+ 44	−1·1	−0·1	+ 1	+1·0
Mean of India ...	9·79	8·95	+0·84	+ 9	−0·2	−0·1	0	+0·2

TABLE II, JUNE 1929

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	23·17	19·34	+ 3·83	+ 20	−0·6	−0·8	− 4	0
2. Lower Burma ...	37·27	30·62	+ 6·65	+ 22	−1·3	−1·2	+ 1	+0·8
3. Upper Burma ...	9·74	8·67	+ 1·07	+ 12	−2·5	−0·1	+ 2	+0·8
4. Assam ...	19·77	17·47	+ 2·30	+ 13	−1·4	−0·2	0	+0·4
5. Bengal ...	16·68	16·05	+ 0·63	+ 4	+1·0	+0·1	− 2	+0·6
6. Orissa ...	4·39	9·93	− 5·54	− 56	+1·6	−0·1	− 2	+0·9
7. Chota Nagpur ...	3·30	9·19	− 5·89	− 64	+1·8	+0·9	− 2	+1·5
8. Bihar ...	5·29	8·94	− 3·65	− 41	+1·1	+0·3	− 6	−0·3
9. United Provinces, East ...	9·59	5·19	+ 4·40	+ 85	−1·0	+0·2	− 1	−0·2
10. Do. do. West ...	3·59	4·44	− 0·85	− 19	+0·1	+0·2	+ 1	+0·3
11. Punjab, East and North ...	2·17	2·47	− 0·30	− 12	0	+0·7	− 2	−0·6
12. Do. Southwest ...	0·59	1·05	− 0·46	− 44	−0·2	+1·5	+ 3	+0·1
13. Kashmir ...	1·68	1·28	+ 0·40	+ 31	+0·1	−0·2	− 1	+0·1
14. North-West Frontier Province ...	0·25	0·51	− 0·26	− 51	+0·5	+2·1	− 7	+0·4
15. Baluchistan ...	0·01	0·32	− 0·31	− 97	+1·5	+2·0	−12	−0·5
16. Sind ...	0	0·50	− 0·50	−100	−0·4	+0·5	+ 1	+1·0
17. Rajputana, West ...	0·40	1·45	− 1·05	− 72	+0·5	+0·5	− 1	−1·9
18. Do. East ...	1·79	2·74	− 0·95	− 35	+0·6	+0·1	− 2	−0·3
19. Gujarat ...	3·35	3·97	− 0·62	− 16	+0·2	+0·7	− 1	+0·7
20. Central India, West ...	4·67	5·06	− 0·39	− 8	−0·1	−0·5	+ 1	−0·3
21. Do. do. East ...	3·24	5·98	− 2·74	− 46	+3·1	−4·1	+ 3	−1·9
22. Berar ...	7·09	5·95	+ 1·14	+ 19	−0·3	−0·5	+ 3	+0·9
23. Central Provinces, West ...	5·32	7·27	− 1·95	− 27	+0·8	−0·8	0	−0·5
24. Do. do. East ...	9·79	8·68	+ 1·11	+ 13	+0·7	−0·6	+ 5	+0·6
25. Konkan ...	43·33	28·44	+14·89	+ 52	−1·4	−1·8	+ 4	−2·6
26. Bombay, Deccan ...	6·80	5·00	+ 1·80	+ 36	−1·1	+0·2	+ 2	+1·1
27. Hyderabad, North ...	6·42	6·54	− 0·12	− 2	−1·6	−0·5	+ 3	+0·7
28. Do. South ...	6·31	4·70	+ 1·61	+ 34	−0·5	−0·6	+ 4	−1·1
29. Mysore ...	1·63	2·89	− 1·26	− 44	−0·5	−0·2	+ 1	+0·6
30. Malabar ...	41·93	28·19	+13·74	+ 49	−1·3	−0·8	+ 4	+1·0
31. Madras, Southeast ...	1·42	1·52	− 0·10	− 7	−1·4	+0·1	− 1	+1·3
32. Do. Deccan ...	2·02	2·58	− 0·56	− 22	−1·6	+0·1	0	+0·5
33. Do. Coast North ...	7·41	4·33	+ 3·08	+ 71	−0·1	−0·1	+ 1	+0·6

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·686	−·002	S 62 W	4·0	81·2	77·2	85·2	−0·6	87·6	77·0	−0·8	72·7	83	−4	8·3	23·17	+3·83	24	+3·9	8·33
LOWER BURMA																				
Victoria Point ...	29·681	+·023	S 6 E	5·8	79·2	76·5	83·4	−1·2	85·8	74·9	−0·2	72·0	88	+1	7·6	20·10	−8·17	23	+1·1	3·05
Mergui ...	29·713	+·014	...	...	76·4	75·7	84·3	−1·2	88·5	71·3	−2·3	70·0	97	+5	9·8	42·85	+13·44	29	+4·7	3·75
Tavoy ...	29·770	−·002	S 19 E	3·0	76·1	75·1	82·1	−2·5	89·0	71·5	−3·5	69·9	96	+4	9·4	31·03	+16·79	27	+1·7	5·43
Amherst ...	29·687	...	S 7 W	8·5	78·1	75·9	82·4	...	85·5	74·0	...	71·9	90	...	9·1	48·39	...	28	...	7·65
Rangoon ...	29·699	−·015	S 6 E	3·9	79·3	77·6	85·1	−1·3	90·0	75·1	−1·3	72·6	92	+1	8·3	24·03	+5·99	27	+4·0	3·52
Bassein ...	29·683	−·003	S 38 W	3·0	79·4	77·0	86·3	−0·1	90·4	75·2	−1·3	71·4	90	−2	9·2	21·76	−1·26	23	−0·5	3·78
Diamond Island ...	29·643	−·025	S 44 W	9·4	81·1	78·5	81·4	−1·2	86·8	76·8	−0·1	74·5	89	+5	8·7	28·25	+3·56	23	+1·7	3·89
Gwa ...	29·668	...	S 32 E	4·6	80·0	77·7	85·6	...	88·9	75·3	...	72·9	89	...	6·9	44·36	...	28	...	8·57
Toungoo ...	29·529	−·030	...	...	79·5	76·6	86·5	−2·5	90·0	75·0	−0·4	72·2	88	−1	8·4	22·24	+8·10	19	−1·6	2·72
Kyaukpyu ...	29·618	−·027	(c) S 28 E	3·7	80·6	77·8	85·9	−0·3	90·8	76·3	−0·1	72·0	88	−2	8·0	65·91	+25·68	22	−2·4	11·33
Akyab ...	29·653	−·029	S 47 E	(f) 11·2	80·1	77·6	84·5	−1·5	90·8	76·1	−1·4	70·1	89	−3	8·9	49·26	+2·32	26	+1·7	6·82
UPPER BURMA																				
Minbu ...	29·476	−·025	S 32 E	3·7	79·7	76·6	87·5	−4·8	92·1	76·1	−1·6	73·2	87	+5	7·1	10·97	+5·22	18	+8·1	2·38
Yamethin ...	29·037	−·004	S 9 E	7·5	79·0	75·2	88·9	−2·3	95·2	74·5	−0·9	72·2	83	+1	7·7	5·00	−0·11	12	+2·9	1·53
Mandalay ...	29·401	−·019	S 19 E	5·7	82·0	77·9	91·3	−3·5	96·2	78·5	−0·1	75·1	82	+6	7·8	3·26	−2·26	8	+0·7	0·88
Monywa ...	29·374	−·016	S 42 E	4·8	81·7	78·3	91·2	−2·6	96·4	78·3	−0·3	73·9	85	+5	7·2	3·40	−2·17	6	−9·8	0·91
Lashio ...	26·893	−·026	S 3 W	3·2	73·7	70·5	81·6	−2·5	87·2	70·3	+0·5	68·0	85	−1	9·0	10·96	+1·20	18	+2·7	1·82
Bhamo ...	29·244	−·036	N 23 E	1·6	79·3	77·5	88·5	−1·6	95·2	76·1	+1·6	72·8	92	+1	9·5	10·70	−3·18	16	−2·6	3·49
Myitkyina ...	29·169	−·003	S 38 E	2·7	78·1	75·9	87·4	−0·4	96·6	75·2	+0·2	72·5	90	0	9·6	23·88	+8·75	20	+0·7	2·96
ASSAM																				
Dibrugarh ...	29·246	−·030	S 72 E	1·3	76·1	74·8	85·7	−1·3	95·9	73·1	−1·1	67·7	94	+2	7·0	17·07	−2·18	19	−0·5	3·08
Sibsagar ...	29·262	−·035	N 38 E	2·4	79·2	77·0	86·9	−1·8	95·5	76·3	+0·2	71·3	91	0	9·7	23·94	+9·73	20	+3·3	3·70
Tezpur ...	29·333	−·027	N 53 E	2·1	80·0	78·0	86·5	−2·3	96·1	76·2	−0·4	70·0	91	+2	8·6	12·90	+0·90	16	+0·4	2·12
Gauhati ...	29·389	−·040	N 31 E	1·5	81·2	77·9	88·0	−1·5	95·1	76·4	−0·1	70·7	86	−1	7·7	15·65	+1·82	13	−3·1	3·06
Dhubri ...	29·437	−·043	S 86 E	6·4	80·9	78·1	86·1	+0·2	93·5	77·0	+0·8	71·6	88	−3	6·6	13·68	−10·14	13	−4·9	3·18
Silchar ...	29·491	−·042	S 59 E	2·2	80·7	77·6	87·8	−1·5	94·0	75·4	−0·7	70·2	87	−2	8·7	35·37	+13·69	24	+3·2	8·64
BENGAL																				
Cox's Bazar ...	29·558	−·027	S 18 E	5·3	80·1	77·5	85·1	−1·2	95·3	76·1	+0·3	72·6	89	0	7·3	43·37	+11·64	19	−1·1	8·52
Chittagong ...	29·501	−·032	S 27 E	(e) 1·1	79·8	76·5	86·3	−0·5	92·8	76·3	−0·5	71·8	86	0	8·5	34·58	+13·79	21	+4·4	6·40
Narayanganj ...	29·528	−·034	S 16 E	4·4	82·9	79·6	89·6	+0·7	94·2	78·9	+0·8	76·0	86	−2	8·3	12·63	−0·32	16	+1·2	6·09
Barisal ...	29·530	−·037	S 8 E	3·9	82·7	79·5	88·1	−0·5	92·8	79·1	+1·1	76·1	87	0	8·4	20·75	+4·42	15	−2·2	6·35
Jessore ...	29·507	−·026	S 10 E	3·2	82·5	79·6	91·8	+0·9	98·0	76·0	−2·5	71·0	88	+1	9·6	7·09	−5·58	11	−3·3	2·00
Calcutta ...	29·504	−·024	S 4 W	3·9	83·9	80·1	93·0	+1·7	101·3	79·8	+1·0	75·8	84	−1	7·6	6·74	−5·16	10	−3·3	1·44
Saugor Island ...	29·501	−·035	S 22 W	14·9	85·4	80·5	88·9	−1·0	92·3	80·2	−0·9	71·4	80	−4	8·4	13·01	+1·47	12	−0·3	3·58
Burdwan ...	29·433	−·012	S 12 E	2·7	83·8	79·6	94·6	+1·6	102·8	78·4	−0·5	73·3	83	−1	7·8	10·57	+0·33	13	+0·2	2·78
Berhampore ...	29·465	−·023	S 29 E	3·7	84·7	80·1	94·9	+2·8	105·5	78·8	+0·4	74·0	81	−6	6·5	8·27	−1·77	10	−2·3	1·82
Mymensingh ...	29·510	−·029	S 78 E	1·9	81·5	78·6	89·0	+1·5	93·8	77·6	+0·5	71·2	87	−2	9·5	15·52	−3·19	17	−1·2	3·82
Bogra ...	29·476	−·030	S 45 E	1·9	83·1	80·0	92·9	+3·6	97·1	78·0	+0·8	73·5	87	0	7·6	8·44	−5·59	13	−1·7	3·05
Dinajpur ...	29·409	−·039	S 70 E	2·5	82·6	79·1	90·7	+1·3	96·2	77·9	+0·8	73·0	85	−3	6·8	9·00	−5·05	12	−2·1	1·50
Jalpaiguri ...	29·270	−·053	N 81 E	1·5	81·1	77·9	91·0	+2·4	97·6	75·9	+0·2	71·0	87	−2	7·9	26·92	+3·19	19	+1·1	6·40
ORISSA																				
Balasore ...	29·453	−·024	S 30 W	5·9	85·5	79·4	94·7	+2·1	107·0	80·0	+1·3	73·5	76	−6	8·1	4·80	−5·27	6	−5·6	1·47
Hukitala (False Point)	29·498	−·031	S 54 W	12·8	...	...	...	...	...	...	...	...	...	...	7·7	4·55	−4·09	10	−0·2	1·00
Cuttack ...	29·450	−·017	S 38 W	3·0	84·0	79·3	97·2	+2·0	106·4	79·4	−0·4	76·1	81	+2	7·2	5·64	−4·44	9	−2·6	1·85
Sambalpur ...	29·042	−·023	S 45 W	3·9	84·7	76·7	97·7	+0·6	108·5	79·2	−1·3	73·7	69	−3	7·7	2·58	−8·34	9	−2·0	0·63
CHOTA NAGPUR																				
Chaibasa ...	28·778	−·018	S 29 W	4·0	84·2	76·7	96·7	+2·8	106·0	80·0	+2·2	72·8	71	−7	8·4	1·90	−6·86	5	−6·7	0·55
Ranchi ...	27·398	−·019	S 3 W	6·1	80·4	74·8	92·0	+0·8	99·8	74·8	−0·3	69·1	77	+3	6·8	3·82	−5·86	7	−5·2	2·00
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·19	−4·94	6	−5·1	1·40

(a) Reports only rainfall. (c) Mean of 29 days. (e) Mean of 27 days. (f) Mean of 26 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·404	−·037	E	2·2	82·7	78·4	92·5	+1·0	98·2	77·6	+0·2	73·8	82	−5	6·5	5·10	−6·00	9	−3·0	1·18
Darbhanga ...	29·330	−·053	S 85 E	4·6	82·5	78·1	92·0	−0·4	99·9	77·9	−0·8	70·2	82	−1	5·9	9·32	+1·29	8	−1·0	3·53
Patna ...	29·321	−·027	S 83 E	4·7	85·4	78·7	95·7	0	103·7	80·4	+0·6	74·1	74	−3	4·7	5·59	−2·53	11	+2·9	1·19
Gaya ...	29·112	−·037	S 31 E	2·2	88·8	77·1	101·5	+2·4	109·1	81·9	+1·2	70·6	61	−12	2·8	2·82	−4·57	6	−2·2	0·88
Naya Dumka (a)	28·977	−·073	N 63 E	2·5	84·2	77·4	95·5	+2·3	104·6	78·4	+0·3	72·2	73	−7	6·9	3·60	−6·47	8	−4·2	1·52
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·250	−·026	N 87 E	3·5	83·3	78·7	92·8	−4·0	101·8	78·5	−0·7	72·9	81	+4	4·1	13·21	+5·81	14	+5·9	4·30
Benares ...	29·218	−·045	N 42 E	6·4	89·0	77·6	100·8	+0·5	109·1	83·1	+1·3	75·1	69	−8	5·2	3·36	−1·63	5	−1·2	1·23
Allahabad ...	29·145	−·053	S 81 E	7·4	90·8	77·5	103·6	+1·5	113·9	84·1	+1·4	78·6	55	−6	3·4	1·67	−3·29	5	−0·4	0·51
Cawnpore ...	29·048	−·035	N 70 E	3·6	89·8	78·4	102·1	−0·2	111·0	83·1	+0·4	73·3	61	0	2·3	5·43	+2·11	3	−1·4	4·80
Lucknow ...	...	...	S 72 E	3·3	87·5	78·1	99·7	−1·7	110·4	81·6	0	72·9	66	+2	5·0	10·53	+6·06	7	+1·5	3·55
Bahraich ...	29·074	−·042	S 85 E	4·8	84·8	77·9	96·0	−2·1	106·3	78·5	−1·2	70·4	73	+1	4·1	23·37	+17·35	7	+0·2	10·61
UNITED PROVINCES, WEST																				
Jhansi ...	28·660	−·050	(d) S 69 W	(e) 5·7	91·2	76·5	105·3	+1·5	112·6	84·9	+0·3	74·6	51	−5	3·4	1·47	−2·83	4	−1·4	0·59
Agra ...	28·907	−·049	S 19 W	7·2	90·0	75·8	104·5	−1·1	113·4	84·2	+0·8	71·9	51	+7	2·6	2·06	−0·29	3	−0·8	1·44
Mainpuri ...	28·956	−·035	S 59 E	3·3	89·3	77·8	103·5	−0·2	115·8	82·0	−0·7	75·3	60	+2	4·7	6·09	+3·61	2	−1·0	3·57
Bareilly ...	28·929	−·020	S 86 E	3·0	86·0	78·4	99·9	−0·1	113·5	80·5	+0·3	70·8	70	+1	4·2	5·15	+0·61	6	+0·7	1·86
Meerut (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·33	+0·20	3	−0·8	1·66
Roorkee ...	28·591	−·025	S 42 E	4·2	86·4	75·2	100·2	−0·6	112·0	79·8	+1·0	68·0	59	−1	3·3	2·76	−2·16	6	+0·4	0·90
Dehra Dun ...	27·300	−·048	N 56 W	1·3	80·2	71·7	94·8	+1·2	107·0	73·9	−6·6	65·0	66	+2	4·7	4·30	−4·49	8	−1·7	1·43
PUNJAB, EAST AND NORTH																				
Delhi ...	28·783	−·013	N 74 E	4·5	88·4	77·0	103·7	+0·4	111·3	81·7	+1·1	70·9	53	+4	2·9	0·68	−2·31	2	−2·0	0·32
Hissar ...	28·724	−·043	S	6·1	90·4	75·1	107·0	+0·2	114·3	84·4	+1·0	70·7	48	−2	0·3	0·63	−1·01	3	+0·1	0·27
Ambala ...	28·577	−·043	S 62 E	5·0	87·7	74·3	103·7	+1·0	115·0	80·4	+0·1	67·4	53	−6	2·4	2·38	−1·37	6	+1·0	0·54
Ludhiana ...	28·617	−·042	S 83 E	3·0	88·8	74·0	105·1	+0·4	116·9	82·0	+0·8	68·0	50	−2	1·7	0·79	−1·74	2	−1·6	0·62
Lahore ...	28·738	−·044	S 51 E	2·4	89·4	76·5	104·8	−2·3	118·6	81·9	+1·4	69·5	56	+5	1·1	4·89	+3·21	5	+2·1	2·02
Sialkot ...	28·628	−·034	N 81 E	2·7	89·8	73·0	104·2	−0·9	116·3	79·8	−0·9	66·3	45	−7	1·6	3·09	+0·63	6	+2·4	0·93
Rawalpindi ...	27·820	−·037	S 86 E	4·0	90·1	70·4	105·1	+1·5	116·6	77·4	+1·7	67·3	38	−7	3·6	2·75	+0·51	5	+2·5	0·72
PUNJAB, SOUTH WEST																				
Khushab ...	28·820	−·048	N 73 E	(m) 4·6	92·0	73·5	107·3	0	119·0	84·3	+1·8	63·2	41	−1	0·7	1·09	−0·25	1	−1·4	1·09
Lyallpur ...	28·817	−·035	S 5 E	2·7	89·2	74·4	105·1	−1·0	115·0	82·6	+0·4	70·6	49	0	3·7	0·59	−0·74	1	−1·0	0·53
Montgomery ...	28·855	−·053	S 13 E	4·5	90·1	78·1	107·0	−1·7	115·0	84·6	+0·7	70·7	57	+16	0·8	0·69	−0·19	1	−0·4	0·68
Multan ...	28·986	−·039	S 14 E	3·5	91·5	76·9	110·2	+1·9	118·7	87·6	+2·9	80·8	48	−3	0·6	0	−0·62	0	−1·2	0
Bahawalpur ...	...	...	S 34 W	5·2	92·1	78·4	109·4	...	117·0	86·0	...	79·5	53	...	0·3	0	...	0	...	0
Khanpur ...	29·118	...	S 28 W	2·6	90·5	79·5	111·6	...	117·6	81·5	...	81·0	61	...	0·4	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·683	−·019	N 50 W	2·7	68·1	61·4	87·3	+4·3	99·1	57·3	−1·0	52·3	79	−8	3·2	1·71	+0·23	5	+1·4	0·66
Gulmarg ...	21·762	−·001	N 18 E	3·4	60·9	52·6	68·4	+0·8	78·0	46·4	+1·8	40·8	62	−11	4·0	4·80	+1·35	10	+1·3	2·78
Sonamarg (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·83	+1·19	9	+1·3	0·72
Dras ...	20·721	−·002	Calm	5·0	54·9	46·3	69·8	−2·6	77·1	43·1	+1·0	39·1	56	−3	1·9	0·65	+0·07	2	−0·1	0·40
Leh ...	19·643	−·011	S 12 E	2·9	55·5	43·6	70·0	−2·1	78·7	44·0	−0·1	38·4	42	0	4·6	0·42	+0·24	2	+1·3	0·26
Skardu ...	22·711	−·017	Calm	1·3	65·3	56·5	81·1	0	89·6	54·4	−2·3	46·0	58	+11	2·6	0·19	−0·08	1	+0·3	0·11
Gilgit ...	24·900	−·027	Calm	0·4	72·8	61·8	93·1	+0·1	102·0	66·8	−0·3	57·6	53	+8	2·9	0·13	−0·22	1	−0·2	0·13
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·301	−·101	N 34 E	2·4	91·9	70·0	107·7	+1·1	116·3	79·8	+2·5	70·7	32	−11	2·7	0·20	−0·16	1	0	0·12
Dera Ismail Khan ...	28·828	−·059	N 68 E	2·6	92·2	77·1	107·7	−0·1	117·0	83·2	+1·7	71·9	50	−4	1·1	0·30	−0·37	1	−0·3	0·30
BALUCHISTAN																				
Fort Sandeman ...	25·149	−·021	S 72 W	2·9	81·8	63·4	103·1	+3·1	107·5	75·5	+3·4	68·4	35	−4	0·3	0·03	−0·78	0	−1·7	0·03
Harnai (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·41	0	−1·0	0
Quetta ...	24·493	+·045	S 18 E	5·2	72·9	54·0	94·7	+3·6	100·8	62·1	+3·6	53·8	27	−20	0	0	−0·15	0	−0·4	0
Chaman ...	25·420	−·037	S 43 W	6·2	82·0	56·6	99·7	+0·5	105·3	73·3	+1·8	68·3	15	−19	0·1	0	−0·02	0	0	0
Kalat ...	23·579	−·021	S 28 W	6·8	65·1	50·1	88·9	−1·9	95·5	52·6	+2·5	45·7	33	−8	0	0	−0·22	0	−0·5	0
Dalbandin ...	26·813	−·012	S 59 W	5·6	84·7	59·3	109·3	+2·0	118·2	71·5	−1·4	63·3	16	−11	0	0	−0·02	0	−0·1	0
Mirjawa ...	26·889	...	N 54 W	7·9	79·1	60·7	106·3	...	110·8	76·3	...	66·4	31	...	0	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (d) Mean of 28 days. (e) Mean of 27 days. (m) Mean of 19 days. (q) Mean of 15 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H.		MAXIMUM.			MINIMUM.			Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·233	-·034	S 26 E	4·6	93·0	81·7	114·3	+0·2	119·7	85·8	+1·1	79·4	61	+ 4	0·1	0	-0·20	0	-0·4	0
Hyderabad ...	29·359	-·031	S 28 W	10·3	87·5	77·9	103·5	-0·8	110·8	82·3	+0·4	80·2	64	+ 1	3·4	0	-0·45	0	-0·7	0
Karachi ...	29·499	-·025	S 69 W	13·2	85·7	80·7	90·0	-0·7	91·4	82·6	+0·1	81·0	79	- 1	8·2	0	-0·86	0	-0·6	0
RAJPUTANA, WEST																				
Bikaner ...	28·719	-·015	S 44 W	9·4	90·2	75·4	107·0	-0·3	111·0	85·5	+0·2	72·8	49	- 5	0·3	0·04	-1·41	0	-2·4	0·04
Jodhpur ...	28·725	-·041	S 48 W	6·8	86·9	75·8	105·1	+1·3	113·3	83·1	+0·9	71·9	59	+ 2	1·1	0·76	-0·69	1	-1·1	0·61
RAJPUTANA, EAST																				
Jaipur ...	28·116	-·016	N 79 W	5·3	88·7	74·4	103·8	+0·2	109·7	82·2	+0·7	71·0	50	- 3	1·7	2·51	+0·21	4	+0·2	1·30
Ajmer ...	27·956	-·014	S 72 W	9·4	85·5	73·0	100·9	+0·3	106·8	81·9	+0·2	69·8	56	- 5	2·5	1·37	-1·04	1	-1·5	1·25
Kotah ...	28·676	-·029	N 78 W	5·9	91·7	77·8	106·4	+1·4	111·2	85·0	-0·5	75·6	52	+ 3	4·2	0·72	-2·22	3	-1·1	0·31
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·54	-0·76	5	+0·4	0·90
GUJARAT																				
Deesa ...	29·694	-·034	S 57 W	12·1	85·9	77·8	102·9	+0·7	109·5	81·1	+0·6	72·3	68	0	6·9	2·08	-0·10	4	+0·9	0·75
Bhuj ...	29·199	-·041	S 78 W	10·5	87·4	77·3	97·5	+0·1	102·6	81·4	+1·5	77·2	62	-11	5·2	0	-1·79	0	-2·3	0
Dwarka ...	29·533	-·032	S 77 W	13·1	85·9	80·1	90·0	+0·8	92·6	83·6	+1·5	75·8	77	- 4	5·8	0·12	-2·02	1	-1·3	0·12
Rajkot ...	29·139	-·032	S 49 W	11·9	84·4	77·4	100·5	+0·8	105·4	78·9	+1·1	73·0	72	- 1	8·1	5·29	+0·98	7	+2·0	1·62
Veraval ...	29·590	-·016	S 60 W	12·3	84·5	80·4	87·7	+1·6	89·6	83·3	+2·1	79·5	83	- 2	6·1	0·45	-4·02	2	-2·3	0·17
Surat ...	29·575	-·027	S 16 W	5·2	84·1	79·5	91·7	-1·4	96·9	79·6	0	72·6	81	+ 3	7·5	9·96	+1·62	8	0	4·43
Bhavnagar ...	29·532	-·039	S 59 W	6·5	86·3	81·0	98·2	-1·4	107·2	79·8	-0·4	72·7	79	+ 6	6·6	4·84	+0·68	5	+0·2	2·47
Ahmadabad ...	29·415	-·035	S 67 W	5·9	85·8	79·3	101·8	+0·5	109·0	80·2	-0·7	72·9	74	+ 4	6·7	4·06	-0·27	8	+2·9	1·32
CENTRAL INDIA, WEST																				
Neemuch ...	27·938	-·042	N 87 W	8·9	83·0	75·2	98·2	-0·2	103·8	76·7	-0·9	68·0	69	+ 1	1·9	4·72	+0·30	9	+4·0	0·98
Indore ...	27·776	-·028	N 79 W	7·5	80·1	73·2	95·3	0	101·8	75·4	-0·2	69·0	72	0	7·7	4·63	-1·07	5	-2·5	1·21
CENTRAL INDIA, EAST																				
Nowgong ...	...	...	S 77 W	3·7	89·6	80·1	105·2	+2·9	116·7	82·9 (b)	+0·1 (b)	74·5	66	+ 9	4·2	4·91	-1·13	6	-0·1	2·10
Sutna ...	28·442	-·041	S 51 W	6·6	89·6	75·6	102·9	+3·2	111·3	73·4	-8·4	67·4	52	- 4	2·9	1·57	-4·35	3	-3·4	0·92
BERAR																				
Akola ...	28·668	-·025	N 82 W	6·8	82·1	74·8	98·2	-0·6	107·5	77·5	-0·5	71·5	71	+ 6	7·2	9·98	+4·60	8	0	2·97
Amraoti ...	28·373	-·025	S 68 W	9·4	84·4	74·5	97·8	0	108·5	77·0	-0·4	71·7	69	+ 1	6·5	4·20	-2·32	9	+0·3	0·94
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·536	-·032	S 84 W	8·9	83·8	75·1	99·9	+1·6	106·2	78·3	-0·5	71·0	67	+ 1	4·0	6·16	+0·74	8	+1·0	2·20
Hoshangabad ...	28·563	-·023	S 74 W	1·2	83·4	75·1	101·8	+2·4	111·0	78·8	-0·6	71·0	68	+ 2	4·9	4·11	-2·06	7	-1·2	0·89
Saugor ...	27·726	-·041	N 84 W	7·6	84·4	73·0	98·7	+0·3	109·7	76·6	-1·5	68·4	58	- 3	3·1	2·51	-3·96	7	-1·1	1·05
Jubbulpore ...	28·186	-·044	S 81 W	3·1	84·4	74·7	98·6	+0·8	111·1	78·7	-0·2	70·5	64	+ 3	4·2	4·49	-2·83	8	-1·0	1·10
Seoni ...	27·530	-·042	S 78 W	3·9	82·4	73·2	95·0	+0·2	107·8	74·7	-0·4	69·4	65	+ 1	5·7	6·35	-2·96	10	-1·5	2·35
Nagpur ...	28·557	-·013	N 74 W	4·3	84·5	73·7	98·6	-0·3	112·7	77·5	-1·5	69·8	60	- 4	6·5	8·32	-0·64	8	-2·3	1·90
CENTRAL PROVINCES, EAST																				
Pendra ...	27·505	-·033	S 3 E	5·9	81·2	73·8	93·6	+0·2	107·0	75·1	-0·9	68·9	70	+ 5	6·9	6·20	-2·33	15	+2·8	1·12
Raipur ...	28·562	-·030	S 51 W	3·2	84·4	75·9	98·6	+1·3	113·7	78·4	-0·4	69·0	69	+ 3	7·0	14·03	+ 5·02	13	+3·2	3·78
Kanker ...	28·252	...	S 69 W	5·8	83·1	74·1	94·9	...	110·4	78·0	...	69·8	66	...	6·7	8·29	...	9	...	2·38
Chanda ...	28·922	-·036	S 57 W	6·3	84·7	76·2	100·0	+1·0	117·6	79·1	-0·6	71·4	68	+ 5	4·4	5·66	-2·00	11	+1·3	1·30
Jagdalpur ...	27·776	-·028	S 46 W	4·2	79·5	75·1	90·6	+0·3	104·0	73·5	-0·6	67·2	81	+ 6	7·0	13·25	+3·74	10	-1·9	3·90
KONKAN																				
Bombay ...	29·616	-·027	S 13 W	9·6	81·3	77·9	87·6	-0·7	94·0	77·6	-0·8	73·3	85	+ 3	7·6	25·45	+7·14	15	+0·7	6·73
Ratnagiri ...	29·475	-·027	S 21 W	6·0	78·9	76·3	84·1	-2·6	90·0	74·2	-3·1	70·2	89	+ 6	7·0	38·23	+9·41	24	+3·8	3·90
Marmagao ...	29·635	-·038	S 45 W	5·1	...	...	..	...	...	...	...	...	...	...	9·6	48·93	+13·34	25	+4·5	6·05
Karwar ...	29·692	-·009	S 43 W	3·1	78·9	76·0	84·2	-0·9	89·3	74·6	-1·6	70·8	87	+ 2	8·2	60·71	+23·68	28	+5·0	8·36
BOMBAY DECCAN																				
Malegaon ...	28·194	-·022	S 59 W	6·9	82·0	75·0	95·2	-0·8	104·9	74·5	-0·6	70·0	72	+ 4	7·8	6·50	+2·17	9	+2·2	2·01
Ahmadnagar ...	27·516	-·027	S 82 W	5·5	78·8	71·9	90·7	-1·3	98·3	74·2	+2·3	65·1	71	- 2	6·5	7·44	+2·62	8	+0·7	1·84
Poona ...	27·818	-·029	S 85 W	6·2	78·4	72·1	89·0	-0·6	95·7	71·8	-0·8	68·4	73	0	7·7	5·90	+1·13	9	+1·4	2·75
Sholapur ...	28·087	-·029	S 77 W	6·5	79·7	73·4	93·6	0	101·2	73·9	+0·3	70·0	74	+ 6	6·4	7·84	+3·16	7	+0·4	2·92
Bijapur ...	27·746	-·012	S 73 W	8·3	77·4	71·9	89·8	-1·7	95·7	71·8	-0·2	68·0	76	+ 1	7·2	5·10	+1·82	6	+0·5	1·36
Belgaum ...	27·175	-·014	S 69 W	4·8	71·6	69·1	79·2	-2·2	92·0	68·4	+0·2	64·9	88	+ 2	8·5	8·04	-0·10	14	+0·5	1·20
HYDERABAD, NORTH																				
Aurangabad ...	27·752	-·034	S 84 W	10·6	78·0	72·4	92·1	-2·0	100·9	72·6	-0·2	68·0	76	+ 6	8·8	8·46	+3·03	12	+4·5	2·83
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·46	-4·33	11	+2·5	0·94
Nizamabad ...	28·358	-·048	S 46 W	4·1	80·7	72·8	95·9	-1·2	105·6	76·3	-0·8	69·8	69	+ 1	5·2	6·33	+0·94	13	+4·7	1·35

(a) Reports only rainfall. (b) Mean of 20 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·162	−·019	S 74 W	9·6	78·9	72·4	94·5	−1·2	101·6	73·8	−0·3	71·2	73	+ 1	4·9	5·99	+1·30	10	+2·8	1·87
Raichur ...	28·373	−·011	S 62 W	10·1	79·9	74·7	93·4	−1·8	101·0	73·3	−1·8	70·4	78	+ 9	2·6	7·27	+3·71	11	+5·0	2·00
Hyderabad ...	27·944	−·009	N 87 W	6·6	80·2	72·9	96·1	+1·6	106·4	75·5	−0·6	71·8	71	+ 1	6·7	2·90	−1·69	5	−1·6	1·63
Hanamkonda ...	28·729	−·023	S 74 W	7·8	83·6	74·6	96·5	−0·8	107·6	80·0	+0·4	72·3	65	+ 5	6·1	9·05	+3·12	7	−1·0	2·86
MYSORE																				
Chitaldrug ...	27·238	−·010	S 55 W	9·5	73·8	69·6	86·1	−0·3	92·3	70·1	+0·1	68·3	81	+ 3	8·8	1·30	−1·54	4	−1·8	0·72
Bangalore ...	26·786	+·003	S 76 W	10·6	71·9	67·7	85·5	+0·6	91·4	66·9	0	64·8	80	− 1	9·1	1·11	−1·78	3	−2·8	0·26
Mysore ...	27·272	−·009	S 68 W	8·4	72·4	68·6	82·6	−1·9	91·9	67·4	−0·7	65·1	82	+ 2	7·1	2·47	−0·16	8	+1·8	0·66
MALABAR																				
Mangalore ...	29·607	−·008	S 51 W	4·8	76·9	75·6	83·5	−1·7	89·3	73·7	−0·8	70·7	94	+ 7	9·5	64·56	+27·78	30	+5·4	4·99
Calicut ...	29·777	+·012	W	3·5	77·1	75·2	84·6	+0·3	89·6	73·7	−1·5	72·0	91	+ 1	9·7	41·35	+10·27	30	+5·9	4·64
Cochin ...	29·805	+·003	W	3·0	77·9	75·9	(c) 83·7	−1·6	87·0	74·3	−0·5	71·8	91	+ 5	9·1	39·41	+10·95	29	+4·8	5·96
Trivandrum ...	29·595	−·013	N 28 W	(d) 2·3	77·1	75·3	80·7	−2·4	85·1	75·1	−0·5	73·1	91	+ 4	8·6	19·35	+5·96	27	+10·1	2·22
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·39	−0·17	2	+0·6	0·20
Pamban ...	29·708	+·002	S 30 W	12·7	83·7	74·5	88·3	−1·8	90·3	80·2	+0·1	75·9	76	− 2	4·2	0·07	−0·06	0	−0·4	0·05
Madura ...	29·277	+·004	N 75 W	7·0	84·2	74·6	95·9	−1·9	101·3	79·1	+1·7	74·8	62	− 1	7·8	1·32	−0·05	1	−1·3	1·19
Negapatam ...	29·704	+·013	S 73 W	5·8	84·8	76·0	96·7	−1·0	100·9	79·8	+0·3	71·5	66	0	5·8	1·65	+0·35	3	+0·7	0·92
Trichinopoly ...	29·479	+·001	S 48 W	8·3	85·1	73·7	97·5	−1·5	101·8	78·8	+0·2	72·8	57	− 5	6·4	0·12	−1·29	0	−2·2	0·06
Coimbatore ...	28·414	+·002	S 38 W	3·1	76·8	72·5	85·5	−3·8	89·7	71·1	−0·7	68·0	81	+ 1	6·1	2·79	+1·13	7	+2·4	0·95
Salem ...	28·823	0	S 43 W	5·3	78·9	73·4	93·8	−1·5	98·8	74·5	−0·1	72·3	76	+ 1	7·1	2·03	−0·99	8	+2·7	0·62
Cuddalore ...	29·682	+·013	S 59 W	5·8	85·1	77·9	97·2	−1·5	103·8	79·5	−0·6	72·3	71	+ 4	6·8	3·52	+1·98	4	+1·3	2·09
Vellore ...	28·989	−·008	S 87 W	8·0	83·1	73·6	96·7	−0·8	102·3	78·6	−0·2	74·0	62	− 2	6·7	0·92	−1·43	5	+0·5	0·24
Madras ...	29·653	−·014	S 59 W	6·4	86·4	74·9	100·3	+1·3	105·3	81·2	+0·1	74·8	57	− 5	6·7	1·42	−0·47	4	+0·3	0·51
MADRAS, DECCAN																				
Cuddapah ...	29·262	−·007	N 69 W	7·9	85·2	74·5	98·6	−1·4	102·9	80·3	−0·1	74·2	59	− 2	7·8	4·52	+1·59	6	+1·5	2·48
Bellary ...	28·218	−·019	S 75 W	8·6	80·0	70·2	92·5	−2·4	98·6	76·5	+0·6	72·8	67	+ 5	5·4	0·15	−1·72	0	−3·6	0·07
Kurnool ...	28·741	−·027	S 82 W	13·7	81·6	73·4	96·1	−0·9	101·7	77·0	−0·3	73·1	66	− 2	7·9	1·40	−1·53	3	−2·6	0·78
MADRAS COAST, NORTH																				
Nellore ...	29·605	+·007	S 83 W	5·3	86·7	74·9	100·7	−0·6	105·1	83·1	+1·1	75·8	57	− 3	7·1	0·81	−0·47	4	+1·1	0·23
Masulipatam ...	29·608	−·025	S 89 W	8·0	85·2	79·0	97·8	−0·3	104·2	80·1	−0·1	73·4	76	0	7·6	6·64	+2·13	9	+2·7	3·75
Cocanada ...	29·573	−·024	S 86 W	6·9	84·4	77·0	96·9	+1·0	105·3	79·4	−1·5	71·6	71	− 5	8·2	10·20	+5·59	13	+6·3	2·02
Vizagapatam ...	29·524	−·032	N 77 W	12·6	85·2	79·8	91·3	+0·1	101·2	80·9	+0·7	74·8	79	+ 5	8·5	11·52	+6·66	8	+1·2	6·54
Calingapatam ...	29·532	−·024	S 67 W	9·2	84·7	79·8	91·1	−1·6	102·2	79·2	−0·8	72·7	81	+ 2	6·9	9·41	+4·72	9	+2·3	2·30
Gopalpur ...	29·479	−·025	S 50 W	12·6	85·5	82·3	90·3	+0·7	106·3	80·1	−0·3	70·4	87	+ 4	5·7	5·87	+0·05	8	+0·1	2·22
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	(b) 26·232	−·020	S 23 W	2·3	70·9	68·1	77·0	−0·9	81·6	66·7	+0·5	61·3	88	+ 1	7·9	5·19	−3·63	10	−3·0	1·75
Shillong ...	24·956	+·013	N 63 E	3·0	68·6	65·5	74·4	0	78·0	63·6	+0·6	58·4	85	+ 2	8·8	22·74	+6·37	24	+4·6	4·77
Cherrapunji ...	25·417	−·053	S 27 E	6·3	68·1	66·4	72·2	+0·1	82·0	65·1	+1·1	61·0	91	− 3	9·4	105·88	+9·96	25	+0·3	10·44
Darjiling ...	22·785	−·034	N 27 W	3·1	61·3	60·1	67·1	+0·9	70·3	58·1	+1·6	55·2	93	− 1	9·7	25·74	+1·48	22	+1·2	5·34
Mukteswar ...	22·652	−·014	N 86 W	6·7	62·0	57·8	71·7	−1·8	81·8	58·4	+1·0	49·1	79	+ 5	5·8	7·39	+0·26	12	+1·1	1·41
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·44	−6·47	6	−5·6	3·25
Chakrata ...	23·232	+·013	S 73 W	7·8	65·5	59·2	75·4	+1·3	86·8	59·5	−0·5	49·2	70	− 1	5·9	2·20	−5·92	7	−3·7	0·88
Simla ...	22·953	−·016	S 54 W	2·6	67·2	57·4	75·0	+1·9	84·3	60·6	−0·1	45·9	57	− 7	3·3	4·06	−3·07	8	−1·9	1·32
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·74	...	4	...	0·60
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·68	...	7	...	1·40
Murree (c) ...	23·849	+·018	S 72 E	(d) 5·2	72·9	58·0	82·3	+0·9	92·0	66·4	+2·1	50·3	45	− 6	2·6	2·20	−1·66	5	−0·6	1·25
Cherat ...	25·464	−·013	S 45 E	(d) 5·4	81·0	(c) 64·0	94·3	+0·8	104·2	(c) 74·6	+1·4	62·8	(c) 40	− 2	1·8	1·14	−0·24	3	+0·8	0·65
Parachinar ...	24·245	−·021	Calm	3·8	78·7	60·1	90·3	+2·4	98·1	64·3	+0·5	55·9	35	− 5	1·4	1·08	−1·05	2	−2·6	0·71
Drosh ...	...	...	N 82 E	3·9	77·9	69·9	96·7	+4·5	106·2	71·4	+3·0	62·4	67	+20	1·1	0·01	−0·63	0	−1·9	0·01
Mount Abu ...	25·797	−·015	S 58 W	7·7	73·3	67·6	84·7	+1·3	88·6	68·4	−0·1	63·6	74	+ 1	6·8	3·37	−1·85	4	−2·3	1·54
Pachmarhi ...	26·185	−·020	N 69 W	4·7	75·3	68·8	88·2	+0·8	97·6	70·5	−1·6	64·1	72	+ 1	8·0	3·71	−5·95	9	−1·7	0·74
Mercara ...	26·097	+·007	S 31 W	6·2	65·5	64·9	69·9	−2·4	78·8	62·3	−0·8	60·0	97	+ 3	9·6	37·21	+10·95	28	+4·3	5·76
Kodaikanal ...	22·719	+·006	N 63 W	8·8	58·5	54·2	64·6	−0·7	70·4	53·4	−0·2	51·6	74	− 2	7·9	5·54	+1·48	11	+1·1	0·98
Coonoor ...	24·364	...	N 51 W	5·6	65·4	60·9	70·9	...	73·9	57·8	...	52·1	78	...	6·5	4·05	...	14	...	0·72
CEYLON																				
Colombo ...	29·802	+·008	S 55 W	4·6	79·2	75·9	85·4	−0·7	86·9	77·2	−0·1	72·1	85	0	8·7	9·63	+1·72	12	−1·3	3·13

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (b) Mean of 21 days.

MONTHLY WEATHER REPORT

FOR

July 1929

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WEATHER BUREAU

Supplement to the Indian Daily Weather Report for the 15th August 1929

Published by order of the Governor-General in Council

Summary.—The Arabian Sea current was on the whole weak in the Peninsula after the 13th; otherwise both branches of the monsoon were generally active over the country during the month. Of the five depressions from the Bay the second and the fourth caused heavy rain along and near their tracks, Sind having severe floods on both the occasions.

1. The monsoon was strong along the west coast between the 2nd and 7th but its activity during the next three days was more or less confined to Malabar. Rainfall was specially heavy in Malabar between the 4th and 7th; Calicut had 18″ and Cochin 10″ in 72 hours ending at 8 hrs. on the 7th, Trivandrum 3″ on the 5th and Mangalore 6″ on the 7th. Heavy rain in Cochin and Travancore States caused floods which resulted in a considerable damage to cattle and property. A shallow depression appeared over south Bengal on the 5th morning and without appreciable movement filled up by the morning of the 8th after causing locally heavy rain in north Bengal on the 6th. The monsoon was generally active in Burma and northeast India for the first ten days, in the United Provinces and northwest India between the 2nd and 7th and in the central parts of the country and the north Deccan from the 3rd to 9th.

2. The second depression of the month appeared at the head of the Bay of Bengal on the 11th morning and moving westwards lay over Gujarat on the 13th. It then curved northwards to Rajputana and became unimportant on the 15th. Under its influence the monsoon extended in Sind, north Baluchistan and the North-West Frontier Province, rainfall being very heavy along and near the track of the depression; Seoni had 11″, Khandwa 6″ and Raipur, Jagdalpur and Indore 4″ each on the 11th, Surat 16″ and Rajkot 12″ in 48 hours ending at 8 hrs. on the 14th, Bhavnagar 6″ on the 12th, Hyderabad (Sind) 4″ on the 13th and Jacobabad 3″ the next day. Heavy rain in Sind caused severe floods and according to newspaper reports some lives were lost and great damage was done to crops and cattle. The depression caused gales and squally weather in Sind, Kathiawar and Gujarat which are reported to have blown, off the lines, a railway train in the Baroda State. The monsoon was active over most of the country between the 10th and 15th. Another depression which appeared at the head of the Bay on the 14th developed into a storm by the 16th morning and was centred near Saugor Island on the morning of the 17th. It moved northwestwards into the United Provinces and filled up there by the 20th. It caused locally heavy rain in its neighbourhood and the monsoon strengthened in the central parts of the country and the United Provinces; Chaibasa had 8″ on the 14th, Chandbali and Cuttack 5″ each on the 16th, Balasore and Sambalpur 6″ each on the 17th, Jhansi, Nowgong and Saugor 3″ each on the 18th and Allahabad 3″ the next day. During the period 15th to 20th, the monsoon was generally active over the country outside Gujarat and the Peninsula.

3. The fourth depression from the Bay was very active like the second one in that it gave heavy rain along and near its track. It appeared over south Bengal on the 23rd and moving westwards lay over Chota Nagpur on the 24th morning. It then moved northwestwards to west Rajputana by the 27th and curving westwards to Sind became unimportant after the 29th. Some of the heavy falls of rain recorded during this period were as follows:—Chaibasa 4″ and Jagdalpur 6″ on the 23rd, Jhansi 4″ and Nowgong and Ajmer 3″ each on the 24th and Allahabad 6″ the next day, Mount Abu 16″ and Fort Sandeman and Deesa 3″ each on the 26th and Hyderabad (Sind) 8″, Mirpur Khas (Sind) 17″, and Drigh Road (Karachi) 5″ on the 27th. There were again severe floods in Sind and it is reported that several lives have been lost and crops destroyed, the damage due to the latter being estimated at about a crore of rupees. It is also reported that due to heavy rain in the Aravali hills the Sabarmati river rose rapidly near Ahmedabad on the 25th and some people were carried away and drowned. The last depression of the month, which appeared over south Bengal on the 27th morning, moving slowly, lay over Chota Nagpur on the morning of the 31st and after a slight movement filled up on the

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1st August. It caused locally heavy rain along and near its track; Chaibasa had 4″ on the 28th, Sambalpur 10″ in 48 hours ending at 8 hrs. on the 30th, Seoni and Pendra 4″ each on the 30th and Saugor 3″ on the 31st. The monsoon was generally active over the country outside the Peninsula during the period 28th to 31st. The Arabian Sea current showed signs of revival along the west coast south of Bombay after the 27th.

4. The month's rainfall was in large excess in Orissa, Chota Nagpur, the southwest Punjab, the North-West Frontier Province, Baluchistan, Sind and Rajputana and in large defect in the Bay Islands, Hyderabad and Mysore. It was in slight to moderate excess in Lower Burma, Kashmir, Gujarat and the Central Provinces, normal in Upper Burma, Assam, Bengal, Bihar, the east United Provinces, the east and north Punjab, east Central India and Malabar and in slight to moderate defect elsewhere. Averaged over the plains of India, the rainfall of the month was in excess by 10 per cent.

5. Temperature distribution during the month was more or less governed by the rainfall. Maximum temperature was above the average in east Central India from the 1st to 10th while the minimum there was below it between the 24th and 31st. Both day and night temperatures were below normal in the Punjab and the North-West Frontier Province on the 4th and 5th and in Kashmir between the 6th and 8th. Maximum temperature was higher than usual in the Punjab and the North-West Frontier Province between the 8th and 11th and below the average in the east and north Punjab from the 20th to 22nd, in the southwest Punjab and the North-West Frontier Province between the 18th and 31st, and in Baluchistan and Sind on the 13th, 14th and 15th and again between the 26th and 29th. The month's mean maximum temperature was above normal in east Central India and below it in Orissa, Chota Nagpur, the southwest Punjab, the North-West Frontier Province, Baluchistan, Sind and Rajputana; the minimum was below the average in east Central India.

Summary of the Local Conditions

Burma, including the Bay Islands.—The total rainfall of the month was normal in Upper Burma, in slight excess in Lower Burma and in large defect in the Bay Islands. Other climatic elements were normal.

Northeast India, including Orissa.—The month's rainfall was in large excess in Orissa and Chota Nagpur and normal elsewhere. Cloudiness and humidity were above normal and maximum temperature below it in Orissa and Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The total rainfall of the month was within 20 per cent of the normal in the east United Provinces and Central India, in moderate excess in the Central Provinces excluding Berar and in moderate defect elsewhere. Other climatic elements were normal except the maximum and minimum temperatures in east Central India which were respectively above and below the average.

Northwest India.—The month's rainfall was above 100 per cent in the southwest Punjab, the North-West Frontier Province, Baluchistan and Sind, normal in the east and north Punjab and in moderate to large excess elsewhere. Cloud proportion was more than usual in the southwest Punjab, Kashmir, the North-West Frontier Province, Baluchistan and Sind. Humidity was above normal in the southwest Punjab, Kashmir and west Rajputana. Maximum temperature was below normal in all the sub-divisions except the east and north Punjab, Kashmir and Gujarat where it was roughly normal.

The Peninsula.—The total rainfall of the month was normal in Malabar and in moderate to large defect elsewhere. Other climatic elements were not much different from the normal.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th August 1929.

T. ROYDS,
Offg. *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	27·38	24·14	+3·24	+13	−1·4	−0·6	+1	+0·8
Assam	18·31	16·96	+1·35	+8	+0·8	−0·2	−3	+0·8
Bengal ...	17·05	17·30	−0·25	−1	−0·2	−0·5	0	+0·4
Bihar and Orissa ...	18·69	13·18	+5·51	+42	−1·4	−0·7	+2	+1·1
United Provinces ...	9·79	12·13	−2·34	−19	0	−0·4	+1	+0·6
Punjab ...	6·16	5·32	+0·84	+16	−2·0	−0·9	+3	+0·7
North-West Frontier Province.	8·57	1·71	+6·86	+401	−4·4	−1·4	+1	+2·1
Sind ...	6·62	2·23	+4·39	+197	−2·7	0	+3	+1·1
Rajputana ...	9·85	6·34	+3·51	+55	−2·2	−1·8	+4	+0·6
Bombay ...	12·65	13·32	−0·67	−5	−0·3	+0·4	−1	+0·7
Central India ...	10·30	11·48	−1·18	−10	+0·8	−2·0	0	+0·3
Central Provinces ...	16·45	13·29	+3·16	+24	−0·8	−0·5	+1	+0·5
Hyderabad ...	2·80	7·35	−4·55	−62	+0·7	+0·1	−2	−1·3
Mysore ...	1·49	3·31	−1·82	−55	+1·3	+0·4	0	−0·1
Madras ...	6·31	7·15	−0·84	−12	+0·1	+0·7	−3	+0·2
Mean of India ...	13·30	12·09	+1·21	+10	−0·8	−0·5	+1	+0·6

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	5·27	15·25	− 9·98	− 65	+0·1	+1·2	− 3	+0·6
2. Lower Burma ...	41·50	34·79	+ 6·71	+ 19	−1·1	−1·0	+ 1	+0·9
3. Upper Burma ...	9·23	8·92	+ 0·31	+ 3	−1·7	0	0	+0·8
4. Assam ...	18·31	16·96	+ 1·35	+ 8	+0·8	−0·2	− 3	+0·8
5. Bengal ...	17·05	17·30	− 0·25	− 1	−0·2	−0·5	0	+0·4
6. Orissa ...	21·75	13·62	+ 8·13	+ 60	−2·5	−1·3	+ 4	+1·8
7. Chota Nagpur ...	22·52	13·10	+ 9·42	+ 72	−2·5	−0·7	+ 5	+2·1
8. Bihar ...	13·53	12·87	+ 0·66	+ 5	−0·1	−0·2	− 2	+0·1
9. United Provinces, East ...	11·31	11·60	− 0·29	− 3	−0·5	−0·3	+ 1	+0·5
10. Do. do. West ...	8·48	12·58	− 4·10	− 33	+0·4	−0·4	0	+0·8
11. Punjab, East and North ...	6·34	6·83	− 0·49	− 7	−1·0	−0·4	0	+0·2
12. Do. Southwest ...	5·83	2·68	+ 3·15	+118	−3·7	−1·7	+ 8	+1·6
13. Kashmir ...	2·34	1·70	+ 0·64	+ 38	−1·0	+0·6	+ 7	+1·3
14. North-West Frontier Province ...	8·57	1·71	+ 6·86	+401	−4·4	−1·4	+ 1	+2·1
15. Baluchistan ...	2·48	0·96	+ 1·52	+158	−3·4	+1·3	− 2	+1·4
16. Sind ...	6·62	2·23	+ 4·39	+197	−2·7	0	+ 3	+1·1
17. Rajputana, West ...	6·13	3·39	+ 2·74	+ 81	−2·5	−1·8	+ 7	+0·9
18. Do. East ...	11·70	7·81	+ 3·89	+ 50	−1·9	−1·8	+ 2	+0·4
19. Gujarat ...	13·75	9·23	+ 4·52	+ 49	−0·4	+0·7	0	+0·6
20. Central India, West ...	8·03	9·38	− 1·35	− 14	−1·1	−0·3	− 1	+0·3
21. Do. do. East ...	12·56	13·58	− 1·02	− 8	+2·7	−3·7	+ 1	+0·4
22. Berar ...	5·98	9·01	− 3·03	− 34	+0·1	+0·7	− 1	0
23. Central Provinces, West ...	17·81	14·07	+ 3·74	+ 27	−0·6	−0·9	0	+0·3
24. Do. do. East ...	19·66	14·27	+ 5·39	+ 38	−1·7	−0·7	+ 3	+1·1
25. Konkan ...	23·85	31·63	− 7·78	− 25	+0·1	−0·1	− 1	+0·3
26. Bombay, Deccan ...	3·71	6·55	− 2·84	− 43	−0·3	+0·4	− 1	+1·0
27. Hyderabad, North ...	3·67	8·24	− 4·57	− 55	−0·1	+0·3	0	−0·9
28. Do. South ...	2·15	6·69	− 4·54	− 68	+1·1	+0·1	− 3	−1·5
29. Mysore ...	1·49	3·31	− 1·82	− 55	+1·3	+0·4	0	−0·1
30. Malabar ...	26·87	24·40	+ 2·47	+ 10	−0·3	+0·4	+ 2	+0·1
31. Madras, Southeast ...	1·37	2·40	− 1·03	− 43	0	+1·0	− 5	+0·1
32. Do. Deccan ...	1·99	3·52	− 1·53	− 43	−0·1	+0·7	− 3	−0·3
33. Do. Coast North ...	3·00	5·37	− 2·37	− 44	+0·7	+0·3	− 3	+0·5

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H.		MAXIMUM.			MINIMUM.			Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·681	-·010	S 53 W	6·9	81·3	77·3	85·5	+0·1	87·6	78·7	+1·2	75·7	83	- 3	8·8	5·27	-9·98	14	-5·5	1·00
LOWER BURMA																				
Victoria Point ...	29·672	+·014	S 34 W	7·9	79·0	76·5	82·8	-0·6	84·1	74·5	-0·2	71·2	89	+ 1	8·4	32·87	+2·84	28	+5·5	4·15
Mergui ...	29·723	0	...	...	76·5	75·7	82·0	-2·4	87·5	71·2	-1·8	69·3	96	+ 3	9·8	41·67	+10·22	30	+4·7	3·53
Tavoy ...	29·757	-·012	S 29 E	3·0	75·5	74·9	82·4	-0·9	87·4	71·0	-3·3	69·4	96	+ 3	9·2	60·13	+10·91	29	+2·2	5·70
Amherst ...	29·671	...	S 16 W	8·8	77·3	75·8	81·6	...	84·7	72·8	...	71·6	93	...	9·6	53·71	...	29	...	6·97
Rangoon ...	29·693	-·015	S 9 W	3·5	78·3	77·0	84·8	-0·5	90·0	74·6	-1·2	72·2	94	+ 2	9·8	28·91	+7·49	26	+0·9	3·47
Bassein ...	29·674	-·007	S 53 W	3·8	78·9	77·0	85·3	+0·1	90·8	75·0	-1·1	72·4	92	- 1	9·7	33·88	+9·33	27	+1·1	3·62
Diamond Island ...	29·637	-·029	S 52 W	9·7	81·4	78·4	84·3	-0·3	89·4	76·7	+0·5	73·4	87	+ 1	8·7	27·43	+1·96	22	-1·3	7·08
Gwa ...	29·653	...	S 14 E	3·8	77·8	76·9	83·2	...	87·9	74·8	...	72·7	96	...	9·5	73·13	...	30	...	7·86
Toungoo ...	29·508	-·042	...	...	78·1	76·1	84·3	-2·6	89·7	75·0	+0·1	72·6	91	0	9·8	19·79	+2·15	27	+2·6	3·19
Kyaukpyu ...	29·601	-·038	S 24 E	2·9	78·6	77·1	84·2	-0·8	88·9	75·3	-0·7	72·5	93	+ 2	9·0	57·38	+10·05	29	+2·4	5·50
Akyab ...	29·583	-·039	S 9 E	11·2	78·7	77·4	82·7	-1·9	86·6	75·8	-1·2	73·7	94	0	9·9	71·45	+16·65	30	+2·4	6·09
UPPER BURMA																				
Minbu ...	29·453	-·038	S 26 E	3·6	80·6	76·6	88·9	-2·0	95·3	76·9	-0·5	74·8	83	0	6·6	4·65	+0·13	7	-2·2	1·57
Yamethin ...	29·012	-·020	S 2 E	7·5	78·2	74·8	87·2	-2·5	95·6	74·2	-0·7	72·0	85	+ 1	8·2	3·85	-0·06	10	+0·7	0·63
Mandalay ...	29·376	-·029	S 6 E	6·1	81·1	76·3	91·9	-2·8	98·6	78·3	-0·3	75·2	79	+ 4	8·7	5·52	+2·23	9	+3·3	2·22
Monywa ...	29·348	-·022	S 40 E	4·0	81·9	76·5	93·4	-1·0	98·8	79·8	+0·7	76·8	78	- 2	7·7	0·48	-2·26	3	-1·9	0·14
Lashio ...	26·858	-·048	S 23 W	3·5	72·9	70·3	79·9	-3·2	84·1	69·8	-0·2	66·4	88	0	9·6	15·44	+3·44	20	+2·5	2·82
Bhamo ...	29·218	-·040	N 16 W	1·5	78·8	76·9	87·9	-0·3	93·3	75·7	+0·8	73·6	92	- 1	9·6	15·13	-1·65	20	+0·3	2·47
Myitkyina ...	29·145	-·006	S 61 E	3·1	77·6	76·1	86·8	-0·2	92·5	75·5	0	73·8	93	+ 1	10·0	19·51	+0·34	22	+0·7	4·11
ASSAM																				
Dibrugarh ...	29·224	-·028	N 11 E	0·8	78·3	76·9	87·8	+1·1	95·9	75·0	-0·4	71·4	94	0	9·1	15·20	-6·59	20	-2·1	2·82
Sibsagar ...	29·244	-·030	N 74 E	1·7	79·9	78·1	88·7	-0·5	96·3	77·2	-0·5	73·6	92	0	9·8	47·55	+30·54	24	+4·5	8·62
Tezpur ...	29·315	-·022	N 45 E	1·2	81·3	78·6	90·7	+1·5	96·2	77·5	-0·1	73·7	88	- 3	9·3	13·08	-1·35	16	-1·5	2·02
Gauhati ...	29·357	-·037	N 74 E	1·0	82·5	79·1	90·2	0	95·5	78·1	+0·1	73·8	85	- 3	8·5	8·25	-3·49	11	-3·9	1·63
Dhubri ...	29·409	-·046	S 77 E	4·8	81·4	78·6	86·4	+0·5	92·0	78·3	+0·1	74·3	88	- 3	8·0	16·00	-0·96	17	+0·9	3·19
Silchar ...	29·472	-·040	E	1·5	82·7	79·0	92·0	+2·0	100·6	77·0	-0·2	73·7	84	- 6	8·4	9·72	-10·02	19	-3·6	1·56
BENGAL																				
Cox's Bazar ...	29·526	-·048	S 17 E	4·9	78·9	77·0	83·8	-1·8	87·3	76·7	+0·5	74·2	92	+ 1	8·4	40·88	+5·99	23	+0·9	6·75
Chittagong ...	29·468	-·018	S 24 E	11·4	79·3	76·5	85·6	-0·3	89·9	76·6	0	74·3	88	- 1	8·9	26·25	+3·85	22	+3·4	3·72
Narayanganj ...	29·488	-·054	S 42 E	5·8	82·0	78·9	85·3	+0·1	92·4	78·5	-0·4	75·3	87	- 2	8·5	10·43	-2·55	19	+1·8	1·86
Barisal ...	29·481	-·067	S 32 E	4·1	81·5	78·9	85·9	-1·5	91·9	78·0	-0·5	75·4	89	0	7·6	12·40	-2·20	23	+2·6	1·19
Jessore ...	29·454	-·062	S 32 E	3·0	81·0	79·0	88·7	-0·4	95·6	76·4	-2·5	74·4	91	+ 3	9·9	17·76	+5·56	26	+8·7	3·50
Calcutta ...	29·441	-·070	S 6 E	3·6	81·3	79·1	88·2	-0·4	97·3	78·8	+0·1	76·0	90	+ 2	9·2	11·14	-1·37	24	+6·2	1·48
Saugor Island ...	29·440	-·078	S 51 W	14·8	81·8	78·8	85·0	-2·8	89·4	78·7	-1·6	75·0	87	0	9·2	16·83	+2·18	23	+7·2	3·12
Burdwan ...	29·391	-·041	S 21 E	3·0	81·1	79·0	88·9	-1·2	94·1	78·0	-1·2	73·3	90	+ 3	8·9	16·63	+4·06	20	+4·3	2·76
Berhampore ...	29·418	-·052	S 54 E	3·4	82·4	79·7	90·1	+0·5	94·7	78·5	-0·6	74·8	88	- 2	7·6	9·31	-1·54	18	+2·1	1·86
Mymensingh ...	29·484	-·031	S 64 E	3·5	81·9	78·3	88·8	+1·3	92·3	78·3	0	74·5	84	- 6	8·8	6·72	-9·74	15	-4·8	1·90
Bogra ...	29·439	-·046	S 74 E	3·2	82·3	79·6	92·0	+3·1	93·3	78·0	-0·5	75·4	88	- 1	7·9	9·09	-3·97	18	+1·4	1·79
Dinajpur ...	29·372	-·051	S 70 E	2·9	82·5	79·7	88·3	-0·5	93·8	79·2	+0·5	75·0	88	- 2	7·2	12·28	-3·22	15	-2·1	3·06
Jalpaiguri ...	29·241	-·054	S 79 E	1·5	81·6	80·8	90·4	+1·9	95·6	77·4	+0·3	74·3	97	+ 5	7·8	31·89	+0·61	23	+1·1	7·65
ORISSA																				
Balasore ...	29·403	-·062	S 52 W	6·5	80·6	77·7	87·4	-2·0	97·2	77·7	-0·7	72·7	87	+ 1	9·5	18·46	+7·56	16	+1·9	6·39
Hukitala (False Point)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuttack ...	29·420	-·038	S 77 W	3·5	79·3	76·9	87·3	-2·7	98·5	77·0	-1·6	72·2	89	+ 6	8·9	11·89	+0·18	16	+0·5	4·56
Sambalpur ...	29·026	-·035	S 60 W	(c) 4·2	78·3	75·8	95·0	-2·7	100·0	75·6	-1·7	70·2	89	+ 4	9·3	34·89	+14·87	22	+2·6	6·14
CHOTA NAGPUR																				
Chaibasa ...	28·723	-·060	S 51 W	3·5	79·7	76·6	87·1	-3·3	99·6	76·7	-0·8	72·6	87	+ 5	10·0	38·31	+26·22	25	+9·6	7·67
Ranchi ...	27·347	-·051	N 76 W	4·5	75·3	73·6	82·8	-1·6	94·5	72·8	-0·7	70·2	93	+ 6	9·9	17·25	+2·48	24	+6·5	3·51
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·01	-0·43	22	+4·6	1·15

(a) Reports only rainfall. (c) Mean of 29 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·364	−·052	S 81 E	2·3	83·5	79·5	89·7	0	94·8	78·4	−0·4	75·8	85	− 5	7·4	11·55	−2·72	17	+0·2	2·39
Darbhanga ...	29·298	−·063	S 87 E	4·6	82·8	78·8	89·9	+0·4	98·4	79·1	−0·4	74·9	84	− 3	6·6	13·65	+2·01	14	−0·2	3·91
Patna ...	29·297	−·035	N 86 E	4·6	83·2	79·7	90·3	−0·2	99·4	80·2	+0·4	75·5	85	− 1	8·8	12·99	+1·05	11	−2·9	4·45
Gaya ...	29·084	−·054	S 11 W	2·1	82·7	78·9	91·4	−0·6	103·6	78·5	−0·5	75·2	84	+ 2	7·1	15·94	+2·94	21	+5·8	3·12
Naya Dumka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·232	−·023	S 84 E	3·7	83·4	79·6	90·1	−0·9	95·6	79·6	+0·6	76·6	84	− 3	3·6	9·46	−3·97	11	−3·2	3·43
Benares ...	29·206	−·044	S 5 W	4·8	82·0	78·8	92·2	0	103·6	79·2	−0·5	76·5	87	+ 5	9·4	9·42	−2·12	14	+0·1	2·99
Allahabad ...	29·138	−·050	S 81 W	5·2	83·2	78·5	92·7	−0·1	108·0	79·7	−0·1	75·2	81	+ 1	8·7	23·03	+11·32	18	+4·3	5·52
Cawnpore ...	29·040	−·037	S 85 E	2·7	84·1	79·6	92·8	−1·0	105·8	79·8	−0·5	74·1	82	+ 2	6·9	10·20	−0·35	15	+2·7	1·97
Lucknow ...	29·089	−·040	S 83 E	1·9	83·0	79·4	91·3	−1·1	100·6	79·4	−0·1	75·0	85	+ 3	8·4	12·30	+0·85	16	+2·9	2·38
Bahraich ...	29·051	−·045	S 57 E	4·6	(b) 83·2	(b) 78·8	(b) 92·2	+0·1	102·2	(b) 77·5	−1·5	69·2	(b) 82	− 1	5·1	3·48	−7·42	8	−4·0	1·11
UNITED PROVINCES, WEST																				
Jhansi ...	28·648	−·045	S 64 W	5·4	83·3	76·7	93·5	+1·0	106·7	79·1	−0·3	75·0	75	− 3	7·2	11·94	+0·37	11	−2·4	4·05
Agra ...	28·891	−·048	S 27 W	5·9	84·0	78·3	94·0	−1·0	108·5	79·8	−0·4	74·0	77	+ 7	8·0	4·69	−4·43	11	−0·4	1·16
Mainpuri ...	28·945	−·031	S 51 E	2·0	83·9	79·0	93·0	−2·2	104·1	78·0	−2·6	73·3	80	+ 2	7·6	10·63	+3·33	14	+4·0	3·63
Bareilly ...	28·908	−·022	S 73 E	2·3	83·5	78·5	92·8	+0·5	105·3	78·8	−0·1	71·7	80	− 4	7·1	2·84	−10·55	10	−2·5	0·76
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·41	−4·68	9	−0·9	1·66
Roorkee ...	28·570	−·037	S 50 E	3·3	83·8	78·2	94·5	+2·3	105·7	79·4	+1·3	75·2	78	− 2	6·0	6·30	−5·70	7	−4·9	3·24
Dehra Dun ...	27·289	−·039	S 34 W	1·0	77·3	73·9	87·8	+1·9	98·3	73·4	−0·5	66·7	85	0	6·3	18·56	−7·03	21	+1·1	4·09
PUNJAB, EAST AND NORTH																				
Delhi ...	28·756	−·022	S 79 E	3·9	84·8	78·2	95·5	+0·6	107·2	81·4	+0·3	71·3	74	0	4·6	3·75	−3·78	8	−0·9	1·30
Hissar ...	28·723	−·029	S 35 W	4·7	85·7	77·1	98·6	−2·0	109·9	79·4	−2·5	71·7	67	+ 1	2·1	5·35	+1·59	4	−1·3	3·62
Ambala ...	28·568	−·036	S 53 E	3·4	83·6	77·6	96·5	+1·1	110·6	79·4	+0·3	73·8	77	− 2	6·0	7·75	+0·40	12	+2·3	3·05
Ludhiana ...	28·651	−·024	S 89 E	2·2	84·6	77·8	97·4	+0·1	111·3	79·9	−0·6	73·0	74	+ 2	5·6	9·75	+1·55	9	+0·7	3·50
Lahore ...	28·744	−·021	S 48 E	1·9	86·0	78·7	97·9	−2·7	108·4	80·7	0	71·4	73	+ 4	6·2	3·83	−1·65	5	−0·8	1·14
Sialkot ...	28·632	−·017	N 85 E	2·4	84·7	76·4	95·7	−2·0	106·8	79·5	−0·4	71·7	69	− 3	5·0	3·99	−3·87	8	−0·4	1·18
Rawalpindi ...	27·824	−·009	S 59 E	2·7	84·0	74·8	95·6	−2·3	109·3	76·6	−0·2	67·9	67	− 1	5·4	9·99	+2·33	13	+4·3	1·85
PUNJAB, SOUTHWEST																				
Khushab ...	28·837	−·015	N 83 E	7·1	87·1	77·6	99·4	−3·2	111·4	81·6	−0·9	74·2	65	+ 2	3·9	4·93	+1·29	6	+1·6	2·10
Lyallpur ...	28·832	−·011	S 26 E	2·3	86·1	77·7	98·3	−3·9	109·0	81·1	−1·2	71·1	69	+ 6	6·4	3·72	+0·87	7	+3·3	1·05
Montgomery ...	28·864	−·027	S 28 E	4·0	87·2	79·7	99·7	−4·2	109·8	82·4	−1·5	71·5	72	+14	2·9	4·27	+2·05	3	−0·1	2·58
Multan ...	29·001	−·006	S 20 E	3·3	86·6	79·2	100·9	−3·4	114·4	81·4	+3·1	71·4	73	+ 9	4·1	10·40	+6·38	8	+5·8	3·28
Bahawalpur ...	...	...	S 21 W	4·3	87·8	79·9	100·5	...	111·8	81·8	...	72·0	70	...	4·6	3·62	...	8	...	1·08
Khanpur ...	29·115	...	S 52 W	1·9	87·5	81·0	102·5	...	113·2	82·3	...	72·9	75	...	3·9	5·38	...	7	...	3·11
KASHMIR																				
Srinagar ...	24·619	−·018	N	2·2	71·3	66·3	87·7	+2·0	95·8	64·3	−0·1	53·9	77	− 4	5·8	3·54	+1·22	7	+2·0	1·40
Gulmarg (b) ...	21·727	−·003	N 20 E	(c) 2·4	62·4	57·6	69·3	−0·7	77·0	52·5	+1·8	41·3	77	+ 2	6·2	5·67	+1·77	12	+4·2	1·02
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·25	+0·58	18	+8·9	0·72
Dras (b) ...	20·874	−·003	S 72 W	(c) 5·0	59·4	52·0	74·3	−3·2	83·1	50·3	+2·1	37·8	64	+ 4	4·4	0·76	+0·17	2	+0·6	0·33
Leh ...	19·619	+·003	S 23 W	2·3	58·6	50·6	73·7	−3·2	82·8	49·8	−0·3	33·0	61	+ 7	6·4	1·25	+0·79	7	+5·8	0·31
Skardu ...	22·643	−·008	N 45 W	1·6	69·8	62·7	87·6	+0·8	98·5	61·7	0	51·0	68	+21	4·6	0·58	+0·12	1	0	0·37
Gilgit ...	24·805	−·041	Calm	0·3	76·6	67·1	95·1	−1·6	105·8	71·9	+0·1	65·2	61	+14	3·8	0·30	−0·18	1	−0·6	0·16
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·300	−·072	N 1 W	2·3	86·2	74·9	100·4	−3·3	113·5	79·7	+0·1	71·6	60	− 1	5·5	6·87	+5·63	4	+2·0	2·69
Dera Ismail Khan ...	28·852	−·013	N 64 E	2·4	86·0	78·5	97·8	−5·5	114·0	79·8	−2·9	73·8	72	+ 3	4·0	10·27	+8·09	11	+8·3	4·68
BALUCHISTAN																				
Fort Sandeman ...	25·109	−·021	N 45 E	2·6	77·6	68·3	95·1	−5·0	107·9	72·8	−1·9	65·4	64	+ 7	3·1	6·66	+4·60	7	+3·4	2·58
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·01	+0·52	9	+4·1	1·72
Quetta ...	24·436	+·044	S 24 E	5·2	73·7	61·3	93·6	+0·2	100·5	68·1	+3·5	59·5	50	− 6	2·9	1·92	+1·29	3	+1·7	1·27
Chaman ...	25·362	−·031	S 30 W	5·7	81·1	60·2	97·2	−3·9	104·0	75·7	+0·6	70·3	28	− 9	2·7	0·12	+0·03	0	−0·2	0·07
Kalat ...	23·523	−·020	S 14 E	6·4	67·5	56·0	86·8	−6·1	95·4	58·6	+2·8	49·7	51	+ 4	3·1	2·19	+1·60	5	+3·7	1·09
Dalbandin ...	26·741	−·013	S 70 W	5·8	84·9	61·6	107·0	−2·3	113·8	77·2	+1·3	67·1	22	− 7	1·4	0	−0·04	0	−0·2	0
Mirjawa ...	26·815	...	N 72 W	8·6	80·7	61·6	104·9	...	109·3	76·6	...	62·2	30	...	0·5	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H.		MAXIMUM.			MINIMUM.			Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·227	−·011	S 51 E	5·2	87·6	79·6	102·1	−6·6	116·9	82·8	−2·0	71·9	70	+4	2·9	3·82	+2·93	5	+3·7	2·81
Hyderabad ...	29·334	−·030	S 37 W	7·9	85·3	78·5	97·0	−2·2	107·8	81·5	+0·4	72·6	74	+6	5·4	13·93	+11·08	5	+2·0	7·50
Karachi ...	29·448	−·049	S 67 W	14·4	85·1	80·7	89·0	+0·5	92·3	82·4	+1·5	73·3	82	−1	8·8	2·10	−0·84	3	+0·6	1·42
RAJPUTANA, WEST																				
Bikaner ...	28·699	−·013	S 57 W	8·1	84·8	77·6	97·5	−3·9	108·7	80·2	−2·7	72·5	72	+7	5·2	7·20	+4·10	9	+4·3	2·23
Jodhpur ...	28·684	−·053	S 43 W	4·6	82·4	76·3	96·3	−1·2	107·6	79·4	−0·9	69·3	75	+6	6·8	5·07	+1·38	7	+2·2	2·00
RAJPUTANA, EAST																				
Jaipur ...	28·085	−·022	S 86 W	3·7	81·8	75·6	92·1	−2·6	105·3	77·4	−1·2	73·5	75	+1	6·0	9·66	+1·64	10	−0·3	4·78
Ajmer ...	27·915	−·021	S 71 W	6·5	79·5	74·0	90·1	−1·7	101·4	(b) 76·2	−2·0	69·9	77	0	6·7	17·15	+10·69	11	+2·2	4·52
Kotah ...	28·647	−·035	S 77 W	4·8	84·1	77·5	93·3	−1·4	105·6	78·4	−2·1	74·8	74	+4	6·5	5·71	−2·79	12	+1·5	1·28
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13·28	+6·03	11	+1·6	4·20
GUJARAT																				
Deesa ...	29·040	−·050	S 42 W	11·1	81·7	77·6	92·7	−0·4	102·5	78·4	+0·3	71·9	83	+3	9·4	6·73	−2·27	8	−2·1	2·92
Bhuj ...	29·152	−·055	S 80 W	11·1	84·2	77·4	91·4	+0·5	101·2	79·8	+1·6	72·7	73	−7	7·4	12·33	+5·90	3	−3·2	8·60
Dwarka ...	29·488	−·044	S 74 W	17·8	84·0	79·0	87·4	+0·5	91·2	82·3	+1·6	76·7	79	−4	8·4	7·64	+1·61	2	−3·7	6·45
Rajkot ...	29·094	−·047	S 47 W	(c) 14·0	81·5	77·4	91·5	+0·2	99·8	77·3	+1·2	71·1	82	0	9·0	16·81	+5·91	8	−2·5	6·15
Veraval ...	29·556	−·027	S 71 W	(d) 17·6	82·8	79·4	85·2	+1·4	88·3	81·8	+2·1	79·3	86	−2	8·9	2·50	−4·35	5	−4·2	1·52
Surat ...	29·547	−·027	S 23 W	7·1	81·2	78·6	86·5	−1·0	91·7	77·9	+0·2	74·4	89	+4	9·1	37·97	+21·27	15	−0·7	11·13
Bhavnagar ...	29·491	−·049	S 55 W	7·3	83·0	78·5	91·8	−1·5	98·8	78·4	−0·2	74·3	81	+2	8·2	13·46	+6·74	7	−1·8	5·51
Ahmadabad ...	(b) 29·367	−·054	S 48 W	5·3	81·2	77·8	90·5	−2·6	98·2	77·1	−1·4	72·2	85	+4	7·1	12·52	+1·29	16	+4·1	2·78
CENTRAL INDIA, WEST																				
Neemuch ...	27·909	−·038	S 74 W	9·7	77·7	73·6	86·2	−1·9	92·7	74·1	−0·4	70·9	82	−1	7·3	7·30	−1·59	8	−2·4	3·00
Indore ...	27·743	−·031	S 84 W	7·6	75·8	72·2	85·0	−0·3	93·3	72·6	−0·2	69·1	84	−1	9·4	8·77	−1·10	8	−4·6	3·70
CENTRAL INDIA, EAST																				
Nowgong ...	28·727	−·032	S 32 W	(b) 3·0	82·3	77·7	93·7	+3·0	105·3	78·9	+0·2	75·0	82	+1	8·3	12·16	−1·31	13	−0·7	2·92
Sutna ...	28·431	−·036	S 61 W	4·8	80·7	76·1	90·8	+2·3	104·7	69·9	−7·7	64·0	82	0	8·2	12·96	−0·73	15	0	2·27
BERAR																				
Akola ...	28·656	−·025	S 89 W	4·9	79·3	74·1	90·0	+0·6	96·6	75·5	+0·9	72·7	78	0	8·0	7·67	−1·60	7	−5·0	3·36
Amraoti ...	28·370	−·017	S 67 W	9·6	78·3	74·1	87·5	−0·4	96·8	74·5	+0·6	72·3	81	−2	7·9	4·29	−4·47	12	−0·1	0·83
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·524	−·025	S 70 W	8·5	79·4	74·5	89·0	+0·9	96·2	75·3	−0·2	72·4	79	−1	5·4	12·03	+3·42	7	−4·0	5·80
Hoshangabad ...	28·546	−·023	S 73 W	3·0	77·5	74·6	86·8	−1·0	98·5	75·2	−0·1	70·6	87	+1	9·7	12·77	−2·42	13	−1·8	4·50
Saugor ...	27·712	−·035	S 87 W	6·9	76·3	73·1	85·3	−0·8	97·2	72·1	−1·9	69·4	86	+2	8·1	21·19	+7·25	18	+2·6	3·02
Jubbulpore ...	28·166	−·050	S 85 W	2·9	76·9	74·3	85·4	−1·3	98·9	74·1	−0·9	69·9	88	+3	8·7	22·03	+4·41	18	+0·8	3·44
Seoni ...	27·515	−·041	S 87 W	4·2	75·9	72·4	83·6	−0·7	97·5	71·9	−0·4	67·9	84	−1	8·5	30·28	+15·05	18	+0·3	10·87
Nagpur ...	28·553	−·009	W	3·6	78·7	73·0	87·6	−0·5	95·8	73·5	−1·8	68·9	76	−6	8·0	8·55	−5·29	15	−1·2	1·40
CENTRAL PROVINCES, EAST																				
Pendra ...	27·476	−·049	S 62 W	4·9	75·8	73·3	82·6	−2·2	92·0	72·4	−0·7	70·2	88	+4	9·4	16·02	+3·04	21	+4·2	3·56
Raipur ...	28·562	−·026	S 55 W	2·6	76·8	74·6	84·5	−2·4	95·5	73·9	−1·1	68·6	90	+4	9·1	22·85	+8·41	21	+5·6	4·31
Kanker ...	28·257	...	S 73 W	2·9	77·2	73·3	83·1	...	89·3	73·6	...	69·8	83	...	8·5	13·89	...	18	...	3·18
Chanda ...	28·942	−·027	S 54 W	5·5	79·4	74·8	88·6	−0·2	98·5	76·0	+0·2	73·3	81	+2	5·9	13·23	−2·85	18	+1·6	2·14
Jagdalpur ...	27·762	−·048	S 80 W	4·5	75·4	72·4	81·9	−2·0	87·2	71·0	−1·0	68·6	86	+2	8·7	26·54	+12·99	23	+5·6	7·06
KONKAN																				
Bombay ...	29·613	−·019	S 61 W	9·5	80·8	77·5	85·9	+0·5	88·9	77·5	+1·0	74·7	86	0	9·4	16·08	−8·18	20	−1·3	4·25
Ratnagiri ...	29·489	−·016	S 66 W	10·0	79·5	76·5	83·0	−0·9	84·8	74·7	−1·3	71·8	87	0	7·9	22·95	−10·03	26	+0·7	3·70
Marmagao ...	29·657	−·024	S 45 W	8·6	...	...	...	...	...	...	...	...	...	...	9·8	22·23	−9·00	22	−3·5	4·25
Karwar ...	29·711	−·001	S 45 W	5·0	80·0	76·2	83·7	+0·7	88·2	75·1	−0·1	72·2	84	−3	7·8	34·16	−3·90	27	0	5·40
BOMBAY DECCAN																				
Malegaon ...	28·171	−·025	S 60 W	8·9	79·2	73·2	87·7	−0·6	93·5	73·1	−0·4	69·9	75	−1	9·3	3·04	−1·76	5	−2·8	0·69
Ahmadnagar ...	27·500	−·026	S 61 W	7·1	75·8	70·5	85·2	−0·4	90·5	(r) 71·3	(r) +0·8	69·2	76	−3	6·5	0·98	−2·80	5	−1·7	0·19
Poona ...	27·816	−·015	S 86 W	8·0	75·0	71·1	81·8	−1·0	84·3	70·5	−0·5	68·8	82	0	9·2	3·26	−3·75	9	−3·3	0·91
Sholapur ...	28·094	−·013	S 61 W	(r) 7·3	77·9	72·1	88·6	+0·6	94·2	72·7	+0·7	66·0	75	0	7·5	1·75	−2·57	5	−2·7	0·72
Bijapur ...	27·753	−·001	N 86 W	10·2	75·9	70·8	86·3	−0·5	91·1	71·0	+0·2	69·2	78	−1	8·1	0·01	−2·25	0	−4·5	0·01
Belgaum ...	27·179	−·005	S 67 W	5·4	70·1	68·4	76·3	+0·2	79·5	68·8	+1·6	67·1	91	−2	9·7	13·19	−2·96	28	+6·4	1·63
HYDERABAD, NORTH																				
Aurangabad ...	27·735	−·031	S 71 W	12·6	75·0	71·1	86·2	−0·5	90·6	70·6	−0·1	62·0	83	+2	8·9	3·24	−3·24	8	−3·0	0·66
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·77	−4·00	10	−0·4	1·29
Nizamabad ...	28·357	−·035	S 40 W	4·1	77·1	72·0	89·1	+0·4	94·8	74·5	+0·6	71·6	77	−2	4·5	4·01	−6·47	10	−4·0	0·93

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (r) Mean of 14 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·168	−·010	S 65 W	12·5	77·4	71·5	89·8	+0·2	93·9	72·4	+0·5	65·4	74	− 6	5·4	1·97	−4·21	6	−4·0	0·45
Raichur ...	28·381	−·002	S 51 W	9·9	79·0	73·6	91·8	+1·5	95·4	72·5	−0·6	69·4	77	+ 1	2·4	0·74	−4·34	3	−6·3	0·20
Hyderabad ...	27·948	−·001	W	7·3	77·0	71·3	89·6	+2·0	94·0	73·4	+0·1	70·7	75	− 4	8·3	2·61	−3·88	9	−1·4	0·93
Hanamkonda ...	28·740	−·015	S 88 W	7·4	80·3	73·5	90·0	+0·8	94·0	76·4	+0·2	70·8	72	− 1	7·0	3·26	−5·73	8	−4·3	1·02
MYSORE																				
Chitaldrug ...	27·345	−·005	S 68 W	10·0	72·7	69·1	84·3	+1·9	88·5	69·8	+1·2	68·2	83	0	9·5	0·97	−2·14	2	−6·4	0·35
Bangalore ...	26·793	+·009	S 77 W	10·8	70·9	66·9	84·9	+2·7	89·1	66·3	+0·3	63·8	82	− 4	9·3	1·55	−2·63	6	−2·4	0·59
Mysore ...	27·283	−·004	S 58 W	8·3	71·5	68·3	81·8	−0·6	86·3	66·9	−0·2	65·1	84	+ 3	6·7	1·95	−0·68	7	+0·4	0·45
MALABAR																				
Mangalore ...	29·715	−·004	S 76 W	6·0	78·9	76·5	83·8	−0·2	86·7	74·8	+0·7	70·9	90	+ 1	8·5	29·69	−7·42	29	+1·8	5·50
Calicut ...	29·797	+·016	N 70 W	3·6	76·4	74·8	83·6	+1·5	88·3	74·0	−0·1	70·9	93	+ 1	9·7	42·49	+12·25	30	+3·8	8·04
Cochin ...	29·823	+·004	N 73 W	3·4	78·5	76·3	82·7	−1·2	86·0	75·0	+0·8	72·3	90	+ 3	8·5	25·46	+2·62	24	0	4·83
Trivandrum ...	29·611	−·009	N 38 W	(c) 7·5	77·0	75·1	80·8	−1·4	83·1	75·1	+0·3	71·9	91	+ 4	7·7	9·82	+2·41	13	−0·8	2·77
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·38	0	−0·6	0
Pamban ...	29·717	0	S 25 W	9·6	82·8	76·7	88·1	−1·3	90·4	80·1	+0·9	78·9	75	− 2	3·5	0·13	−0·44	1	+0·3	0·11
Madura ...	29·283	−·001	N 62 W	6·3	83·6	72·4	96·0	−0·7	99·8	78·3	+1·6	74·2	57	− 7	7·5	0·05	−1·87	0	−2·6	0·05
Negapatam ...	29·715	+·010	S 82 W	5·3	83·6	75·2	96·4	+0·5	99·3	79·6	+1·1	73·8	66	− 3	6·0	1·99	+0·10	3	−0·3	1·27
Trichinopoly ...	29·491	−·001	S 65 W	9·3	84·3	73·0	96·8	−0·5	99·7	78·8	+0·9	76·3	56	− 6	6·1	0·02	−1·55	0	−2·4	0·02
Coimbatore ...	28·419	−·002	S 44 W	3·2	76·6	72·0	84·8	−2·7	88·7	71·4	+0·5	69·2	80	− 1	5·3	0·97	−0·49	2	−2·3	0·62
Salem ...	28·835	+·002	S 40 W	5·0	78·0	73·5	93·0	−0·2	97·3	74·1	+0·7	70·5	80	+ 2	5·6	2·20	−1·62	7	−0·2	0·55
Cuddalore ...	29·694	+·010	S 66 W	5·6	84·3	76·0	97·0	+1·3	101·2	78·9	+0·6	73·0	67	− 6	6·6	2·35	−0·76	6	+0·5	1·04
Vellore ...	29·001	−·005	S 85 W	7·6	82·0	72·5	95·4	+1·1	100·4	78·5	+1·4	72·7	61	− 8	5·4	4·04	−1·27	4	−2·9	2·07
Madras ...	29·664	−·020	S 64 W	5·9	85·0	74·6	98·6	+2·7	103·7	80·0	+1·1	74·1	60	−10	7·1	1·93	−2·01	7	0	0·54
MADRAS, DECCAN																				
Cuddapah ...	29·277	−·001	N 63 W	8·1	83·9	74·2	96·0	+0·1	99·6	79·5	+1·5	74·0	62	− 5	8·5	1·39	−2·53	3	−3·7	0·92
Bellary ...	28·222	−·016	S 74 W	9·2	79·3	71·2	90·3	−0·9	93·4	76·0	+1·1	74·4	66	0	5·3	0·19	−1·66	0	−3·9	0·06
Kurnool ...	28·749	−·020	S 76 W	13·9	79·9	73·1	92·3	+0·5	95·5	74·6	−0·4	71·5	71	− 4	8·1	4·38	−0·42	9	−0·5	0·89
MADRAS COAST, NORTH																				
Nellore ...	29·624	+·012	S 78 W	5·0	85·2	74·3	98·9	+1·8	102·3	81·4	+1·6	75·4	58	− 8	7·5	1·41	−1·34	6	+0·5	0·47
Masulipatam ...	29·621	−·022	S 89 W	6·1	82·7	78·8	93·2	+0·5	97·0	78·7	+0·5	74·8	83	+ 3	7·1	4·08	−2·36	11	+1·0	1·35
Cocanada ...	29·583	−·018	S 86 W	7·0	82·0	76·6	91·5	+0·7	96·6	77·5	−1·3	71·9	77	− 4	7·9	5·00	−0·53	10	−0·3	1·20
Vizagapatam ...	29·521	−·022	N 68 W	12·0	84·3	77·2	91·1	+2·1	95·4	80·5	+1·9	76·1	72	− 6	8·9	1·12	−3·37	2	−6·4	0·61
Calingapatam (b) ...	29·530	−·033	S 70 W	(c) 8·1	82·7	78·6	89·3	−0·8	95·0	78·6	−0·3	74·7	83	0	7·6	0·98	−4·87	4	−4·9	0·29
Gopalpur ...	29·467	−·030	S 49 W	8·2	82·7	78·8	87·5	−0·2	93·8	78·4	−0·8	69·5	83	− 1	7·7	5·40	−1·48	11	+1·4	1·81
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·200	−·033	S 5 W	2·3	70·2	68·0	75·6	−1·3	81·6	67·0	+1·0	65·2	90	+ 2	8·2	11·50	+5·22	14	+2·3	3·50
Shillong ...	24·895	−·035	N 72 E	3·2	69·8	66·1	76·0	+0·7	79·2	64·8	+0·5	60·8	82	− 4	8·4	4·65	−9·83	11	−8·2	0·99
Cherrapunji ...	25·440	−·039	S 72 E	5·7	68·3	66·8	72·8	+0·6	80·1	65·7	+0·7	62·7	92	− 4	9·4	78·30	−20·21	26	−0·9	14·25
Darjiling ...	22·771	−·037	N 63 E	2·7	62·3	61·3	67·5	+0·7	73·7	59·1	+1·1	56·9	95	− 1	9·5	24·48	−7·83	19	−6·4	3·39
Mukteswar ...	22·671	−·010	S 71 W	4·9	61·6	60·3	68·7	−1·4	74·4	59·4	+1·5	56·5	93	+ 2	8·4	7·89	−4·54	12	−5·7	1·18
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22·88	−10·42	24	+1·6	3·62
Chakrata ...	23·203	+·011	S 63 W	4·9	64·3	62·8	70·7	+0·7	80·7	60·0	−0·2	52·2	93	+ 4	8·1	16·42	−2·78	18	−2·0	2·35
Simla ...	22·929	−·007	N 63 E	1·5	63·6	60·5	69·6	+0·7	78·5	59·5	−0·7	55·1	85	− 1	8·0	16·74	−0·14	21	+1·5	2·00
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16·99	...	16	...	3·40
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23·90	...	21	...	3·55
Murree ...	(b) 23·821	+·021	S 37 E	4·7	67·7	62·4	73·9	−2·9	86·5	62·9	+0·5	52·8	77	+ 1	5·6	13·65	+1·81	20	+7·5	2·56
Cherat ...	25·428	−·027	(b) S 32 W	(b) 5·5	74·9	68·2	85·3	−4·1	100·8	(d) 71·5	+0·1	63·9	73	+ 6	5·4	10·70	+7·23	9	+4·1	5·00
Parachinar ...	24·221	−·016	Calm	3·5	75·3	65·3	85·9	−1·2	95·6	66·4	+0·1	58·7	61	+ 4	3·8	0·97	−2·41	4	−2·5	0·26
Drosh ...	...	...	S 38 E	3·5	77·6	70·0	95·1	−1·5	104·6	72·6	−0·3	65·0	68	+18	3·9	1·80	+1·23	4	+2·5	0·73
Mount Abu ...	25·736	−·031	S 53 W	8·0	68·0	67·2	74·8	−0·6	85·0	66·6	+0·6	63·4	96	+ 3	9·7	34·50	+13·43	20	+3·1	15·53
Pachmarhi ...	26·153	−·020	N 84 W	6·3	69·2	67·8	75·3	−1·4	87·2	67·2	−1·0	64·9	93	+ 2	8·8	26·00	+2·34	23	+1·9	3·31
Mercara ...	26·096	+·006	S 80 W	7·5	64·6	64·2	68·1	−0·8	70·6	61·9	−0·1	60·0	98	+ 2	9·9	49·73	+8·80	29	+0·7	5·70
Kodaikanal ...	22·710	+·007	N 76 W	8·8	57·1	53·0	62·9	−0·3	66·8	52·3	−0·3	50·4	78	− 3	6·1	3·06	−1·96	7	−4·1	0·75
Coonoor ...	24·361	...	N 57 W	5·3	64·5	59·4	70·6	...	75·0	57·6	...	53·2	75	...	6·0	2·83	...	4	...	0·85
CEYLON																				
Colombo ...	29·813	+·009	S 54 W	4·2	78·3	75·2	84·5	−1·1	85·9	77·1	+0·1	73·9	86	+ 1	8·0	2·92	−2·23	7	−1·2	0·92

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days.

MONTHLY WEATHER REPORT

FOR

August 1929

Supplement to the Indian Daily Weather Report for the 16th September 1929

Published by order of the Governor-General in Council

Summary.—The monsoon was on the whole active over the country outside Gujarat, the Deccan, Mysore and southeast Madras where it was in defect. Of the four depressions which passed inland from the Bay the third caused widespread and locally heavy rain along and near its track.

The Arabian Sea current continued to be generally weak in the interior of the Peninsula during the first fortnight although it was frequently fairly active along the west coast south of Bombay. The monsoon was on the whole active over the region extending from the east and north Punjab to Burma during the first week of the month, it being particularly vigorous in the United Provinces between the 2nd and 5th. A depression which appeared at the head of the Bay of Bengal on the 7th morning moved slowly to Chota Nagpur and merged into the seasonal trough of low pressure by the 13th. Another depression which formed at the head of the Bay on the 13th moved to Chota Nagpur through southwest Bengal and became unimportant after the 16th. Rainfall was locally heavy in the neighbourhood of the tracks of both these depressions. The monsoon continued to be generally active in Burma, northeast India and the United Provinces from the 7th to 15th. The following are some of the noteworthy falls of rain during the period 1st to 15th:—Rawalpindi 4″ on the 1st, Dehra Dun 4″ on the 2nd, Cherrapunji 13″ and Mymensingh 7″ on the 3rd, Lucknow 4″ on the 5th, Hazaribagh 7″ on the 8th, Gaya 5″ on the 9th, Patna 4″ on the 11th and Kanker 4″ on the 13th.

2. The monsoon revived in the interior of the Peninsula after the 15th and remaining active over most of the Peninsula between the 17th and 25th weakened there again after the latter date. It was generally active over the rest of the country during the second half of the month. This activity of the monsoon was mainly connected with the passing inland of a depression from the Bay which moved to the Punjab through the central parts of the country and Rajputana. This depression formed off the Orissa Ganjam coast on the 21st morning where conditions were unsettled since the 18th. It developed into a storm and was centred near Lat. 20°N and Long. 88°E on the 23rd morning. After crossing the coast near Chandbali on the 23rd evening and moving across the country to Rajputana it moved northwards to the Punjab and became unimportant after the 29th. Rainfall was widespread and locally heavy along and near the track of the depression; Sambalpur had 4″ on the 20th, Kanker 4″ on the 21st, Jubbulpore 4″ on the 22nd, Cuttack 8″ and Raipur 5″ on the 23rd, Jagdalpur 15″ in 72 hours ending at 8 hrs. on the 24th, Jubbulpore 7″ and Hoshangabad 4″ on the 24th, Bhopal and Indore 4″ each on the 25th, Mount Abu 20″ in 48 hours ending at 8 hrs. on the 27th, Rawalpindi 7″, Murree 5″ and Cherat 4″ on the 27th, and Riasi (Kashmir) 12″, Akhnur (Kashmir) 7″, Jammu (Kashmir) 6″ and Gulmarg 5″ on the 28th. Heavy rain in the Punjab, the frontier hills and Kashmir caused severe floods in the Indus, the Kabul, the Jhelum and the Chenab rivers and according to newspaper reports, there was a considerable loss of life and property and several breaches occurred in the N. W. Railway. The last depression of the month appeared at the head of the Bay on the 27th morning and was centred near Lat. 19°N and Long. 89°E on the morning of the 28th. It moved slowly toward Gopalpur and after crossing the coast on the 30th evening lay over the Central Provinces the next day where it became unimportant after the 1st September. It caused locally heavy rain in its neighbourhood; Jagdalpur had 4″ on the 29th and Pachmarhi 6″ and Raipur 5″ on the 30th.

3. The month's total rainfall was in large excess in the Bay Islands, the southwest Punjab, Kashmir, the North-West Frontier Province and Sind, in slight to moderate excess in Orissa, Chota Nagpur, the east United Provinces, the east and north Punjab, Baluchistan and the east Central Provinces and normal in Lower Burma, Assam, Rajputana, Central India, the west Central Provinces and the north Madras coast; it was in slight to moderate defect in Upper Burma, Bengal, Bihar, the west United Provinces, Gujarat, the Konkan, Malabar and southeast Madras and in large defect elsewhere. Averaged over the plains of India, the rainfall of the month was in defect by 5 per cent.

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4. Maximum temperature was above normal in Berar between the 1st and 4th and again from 8th to 13th and in Hyderabad and Mysore on the 11th and 12th and below it in the Punjab, Kashmir and the North-West Frontier Province on the 4th and 5th, in Gujarat from the 20th to 23rd and in west Central India between the 25th and 28th. Day temperature was lower than usual in Kashmir, the North-West Frontier Province and Baluchistan from the 23rd to 29th, in the Punjab and Sind between the 24th and 29th and in Rajputana from the 26th to 29th. The month's mean maximum temperature was above normal in Berar, south Hyderabad and Mysore and below it in the southwest Punjab, Kashmir, the North-West Frontier Province, Baluchistan, Sind and Rajputana.

Summary of the Local Conditions

Burma, including the Bay Islands.—The total rainfall of the month was in large excess in the Bay Islands, normal in Lower Burma and in moderate defect in Upper Burma. Other climatic elements were normal.

Northeast India, including Orissa.—The month's rainfall was normal in Assam, in slight defect in Bengal and Bihar and in moderate excess elsewhere. Other climatic elements were not much different from the normal except for the fact that cloudiness was more than usual in Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The total rainfall of the month was in large defect in Berar, in slight defect in the west United Provinces, in moderate excess in the east Central Provinces and within 13 per cent of the normal elsewhere. Cloud proportion was above normal in the west United Provinces and humidity below it in Berar. Maximum temperature was higher than usual in Berar.

Northwest India.—The month's rainfall was in large excess in the southwest Punjab, Kashmir, the North-West Frontier Province and Sind, in slight excess in the east and north Punjab and Baluchistan, in slight defect in Gujarat and normal in Rajputana. Cloudiness was more than usual in the southwest Punjab and the North-West Frontier Province. Humidity was above normal in the southwest Punjab and Kashmir and below it in Baluchistan. Maximum temperature was below normal in the division outside the east and north Punjab and Gujarat where it was roughly normal.

The Peninsula.—The total rainfall of the month was normal in the north Madras coast, in slight defect in Malabar and the Konkan and in moderate to large defect elsewhere. Cloud proportion was roughly normal. Humidity was in defect in south Hyderabad and the Madras Deccan. Maximum temperature was above normal in south Hyderabad and Mysore.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 6th September 1929.

S. K. PRAMANIK,
for *Offg. Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	21·75	22·24	−0·49	− 2	−0·9	−0·6	0	+0·6
Assam	14·00	15·41	−1·41	− 9	+1·0	−0·3	− 3	+0·4
Bengal ...	11·81	15·73	−3·92	− 25	+0·4	−0·5	− 1	0
Bihar and Orissa ...	16·07	13·58	+2·49	+ 18	−0·7	−0·6	0	+0·7
United Provinces ...	11·91	12·51	−0·60	− 5	−1·6	−1·2	+ 1	+1·2
Punjab ...	7·23	5·67	+1·56	+ 27	−2·4	−0·7	+ 2	+0·5
North-West Frontier Province.	3·38	2·09	+1·29	+ 62	−5·1	−1·4	0	+1·8
Sind ...	3·03	1·59	+1·44	+ 91	−4·0	−0·9	+ 2	+0·7
Rajputana ...	5·95	6·39	−0·44	− 7	−2·2	−1·1	+ 1	+0·4
Bombay ...	5·19	7·91	−2·72	− 34	+0·1	−0·5	− 2	+0·3
Central India ...	9·90	10·77	−0·87	− 8	−1·0	−0·9	1	+0·1
Central Provinces ...	12·83	12·02	+0·81	+ 7	+0·1	−0·4	− 3	+0·1
Hyderabad ...	3·20	6·35	−3·15	− 50	+2·3	0	− 5	−1·5
Mysore ...	1·88	3·87	−1·99	− 51	+2·6	+0·3	2	−0·2
Madras ...	4·83	6·21	−1·38	− 22	0	+0·2	− 2	+0·4
Mean of India ...	10·39	10·97	−0·58	− 5	−0·7	−0·6	− 1	+0·4

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	25·38	14·69	+10·69	+ 73	−0·5	−0·6	− 4	+0·9
2. Lower Burma ...	33·45	31·34	+ 2·11	+ 7	−1·0	−0·9	+ 1	+0·9
3. Upper Burma ...	6·71	9·25	− 2·54	− 27	−0·8	−0·2	0	+0·3
4. Assam ...	14·00	15·41	− 1·41	− 9	+1·0	−0·3	− 3	+0·4
5. Bengal ...	11·81	15·73	− 3·92	− 25	+0·4	−0·5	− 1	0
6. Orissa ...	21·17	14·33	+ 6·84	+ 48	−1·2	−0·8	+ 2	+0·8
7. Chota Nagpur ...	18·33	12·59	+ 5·74	+ 46	−1·9	−0·9	+ 3	+1·7
8. Bihar ...	11·66	13·57	− 1·91	− 14	0	−0·4	− 2	+0·1
9. United Provinces, East ...	13·62	12·13	+ 1·49	+ 12	−1·7	−1·1	+ 1	+0·6
10. Do. do. West ...	10·45	12·84	− 2·39	− 19	−1·5	−1·4	0	+1·7
11. Punjab, East and North ...	8·32	7·01	+ 1·31	+ 19	−1·7	−0·5	0	+0·3
12. Do. Southwest ...	5·31	3·31	+ 2·00	+ 60	−3·7	−0·9	+ 5	+0·7
13. Kashmir ...	4·57	1·80	+ 2·77	+154	−2·4	+0·5	+10	+0·3
14. North-West Frontier Province ...	3·38	2·09	+ 1·29	+ 62	−5·1	−1·4	0	+1·8
15. Baluchistan ...	1·05	0·89	+ 0·16	+ 18	−3·2	−0·6	− 6	−0·1
16. Sind ...	3·03	1·59	+ 1·44	+ 91	−4·0	−0·9	+ 2	+0·7
17. Rajputana, West ...	4·27	3·93	+ 0·34	+ 9	−2·7	−1·4	+ 3	+0·3
18. Do. East ...	6·79	7·61	− 0·82	− 11	−1·9	−1·0	− 1	+0·6
19. Gujarat ...	3·66	5·67	− 2·01	− 35	−1·1	−0·6	− 1	+0·7
20. Central India, West ...	7·32	8·42	− 1·10	− 13	−1·3	−0·6	− 3	−0·3
21. Do. do. East ...	12·47	13·13	− 0·66	− 5	−0·7	−1·3	0	+0·4
22. Berar ...	0·99	6·51	− 5·52	− 85	+2·9	+1·1	− 9	−0·9
23. Central Provinces, West ...	13·41	12·80	+ 0·61	+ 5	−0·5	−0·9	− 3	+0·2
24. Do. do. East ...	17·89	13·59	+ 4·30	+ 32	−0·3	−0·5	0	+0·4
25. Konkan ...	13·79	17·69	− 3·90	− 22	+0·6	−0·5	− 1	−0·4
26. Bombay Deccan ...	1·49	4·39	− 2·90	− 66	+1·4	−0·5	− 4	+0·3
27. Hyderabad, North ...	3·43	6·85	− 3·42	− 50	+1·1	−0·2	− 4	−1·7
28. Do. South ...	3·03	5·97	− 2·94	− 49	+3·0	+0·1	− 5	−1·3
29. Mysore ...	1·88	3·87	− 1·99	− 51	+2·6	+0·3	− 2	−0·2
30. Malabar ...	11·31	13·77	− 2·46	− 18	−0·1	−0·1	+ 1	+0·7
31. Madras, Southeast ...	2·25	3·68	− 1·43	− 39	−0·2	+0·5	− 3	+0·4
32. Do. Deccan ...	1·22	4·39	− 3·17	− 72	+0·9	+0·7	− 5	−0·3
33. Do. Coast North ...	6·62	6·29	+ 0·33	+ 5	−0·1	−0·1	− 1	+0·7

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H.		MAXIMUM.			MINIMUM.			Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·712	-·004	S 64 W	7·5	79·9	76·1	84·7	-0·5	88·0	76·6	-0·6	72·5	83	- 4	9·1	25·38	+10·69	23	+3·7	5·30
LOWER BURMA																				
Victoria Point ...	29·694	-·015	S 25 W	7·0	78·6	76·0	82·5	-1·0	84·5	74·7	0	70·1	89	+ 1	7·8	27·55	+2·04	29	+6·9	4·45
Mergui ...	29·754	+·009	...	...	76·1	75·4	83·1	-1·2	87·0	71·2	-1·8	69·0	97	+ 3	9·8	29·64	+0·43	29	+3·6	3·38
Tavoy ...	29·789	+·001	S 11 E	2·5	75·8	75·0	81·8	-1·1	88·5	71·1	-3·1	67·5	97	+ 4	9·3	33·09	+15·76	30	+2·7	8·15
Amherst ...	29·709	...	S 10 W	7·0	76·8	75·3	81·2	...	84·8	72·5	...	71·7	93	...	9·6	31·91	...	28	...	3·25
Rangoon ...	29·733	-·001	S 6 W	2·5	78·3	77·0	83·9	-1·1	88·7	74·9	-0·9	72·8	94	+ 1	9·5	20·78	+0·91	27	+2·9	2·20
Bassein ...	29·719	+·008	S 58 W	2·5	78·4	76·5	85·8	+0·9	90·1	75·2	-0·8	73·0	91	- 2	9·3	17·27	-5·80	25	+0·3	2·74
Diamond Island ...	29·686	-·011	S 54 W	8·0	80·1	77·5	83·7	-0·7	86·6	76·1	-0·1	72·1	88	+ 1	8·2	25·09	+2·18	24	+2·5	2·68
Gwa (*b*) ...	29·713	...	S 21 E	(*c*) 3·1	78·5	77·0	83·3	...	87·9	75·1	...	72·3	93	...	8·4	41·19	...	25	...	6·92
Toungoo ...	29·561	-·015	...	...	78·5	76·2	84·2	-2·6	89·3	75·0	+0·2	73·0	90	- 2	9·1	19·73	+0·64	29	+4·7	2·58
Kyaukpyu ...	29·667	-·006	S 39 E	2·2	78·5	76·8	84·1	-0·5	88·4	75·1	-0·8	73·4	92	+ 1	8·8	52·64	+15·10	27	-0·5	5·22
Akyab ...	29·653	-·007	S 51 E	(*e*) 9·8	78·0	76·7	82·9	-1·7	85·5	75·9	-1·0	73·1	94	0	9·5	45·20	+0·01	29	+2·2	5·07
UPPER BURMA																				
Minbu ...	29·516	-·006	S 26 E	2·6	80·1	76·8	88·6	-1·5	94·1	76·2	-0·8	74·2	86	+ 1	6·6	4·85	-0·42	10	-0·5	1·03
Yamethin ...	29·072	+·011	S 13 E	6·5	77·9	74·7	88·0	-1·0	92·6	73·7	-0·9	71·4	86	- 1	8·0	1·87	-4·04	6	-5·0	0·37
Mandalay ...	29·450	+·007	S 5 E	4·6	80·7	76·2	91·3	-1·9	95·6	77·7	-0·2	74·7	81	+ 2	7·5	2·92	-1·67	6	-1·9	1·18
Monywa ...	29·414	+·003	S 44 E	2·7	80·7	76·2	92·7	-0·2	98·5	78·8	+0·2	75·2	81	- 2	7·1	3·44	-1·11	8	+1·8	0·98
Lashio ...	26·911	-·020	S 25 W	2·8	73·0	70·4	81·5	-1·0	85·2	69·4	-0·2	66·3	88	- 2	8·5	8·76	-3·94	16	-3·0	2·05
Bhamo ...	29·290	-·009	N 31 W	1·5	78·0	76·7	87·7	-0·4	93·7	75·5	+0·5	73·0	94	+ 1	9·7	16·24	+0·86	20	+0·6	2·01
Myitkyina ...	29·213	+·024	E	2·8	77·5	75·8	87·9	+0·6	95·4	75·6	+0·2	73·2	92	+ 1	9·8	8·91	-7·46	18	-1·5	1·41
ASSAM																				
Dibrugarh ...	29·295	-·005	N 18 E	1·3	80·1	77·4	88·0	+1·1	94·9	75·3	+0·1	72·9	89	- 4	8·1	14·45	-3·73	15	-4·1	2·58
Sibsagar ...	29·327	+·001	S 18 W	2·2	80·9	78·2	(*c*) 89·9	+1·3	95·6	77·4	-0·2	74·2	88	- 5	8·7	19·12	+2·85	15	-3·2	6·08
Tezpur ...	29·405	+·019	N 45 E	1·1	80·7	78·5	90·4	+1·4	96·5	77·4	-0·3	74·9	90	- 2	9·1	12·35	-2·51	15	-1·3	2·94
Gauhati ...	29·455	+·006	W	0·8	82·0	78·6	90·8	+0·7	95·7	77·5	-0·3	74·7	85	- 2	7·8	13·76	+3·40	16	+2·6	2·93
Dhubri ...	29·517	+·038	S 69 E	3·1	82·3	78·5	87·6	+1·5	90·9	78·2	-0·3	75·0	84	- 6	6·9	4·10	-9·44	11	-3·5	0·96
Silchar ...	29·560	+·039	S 86 E	1·2	80·0	77·8	89·7	+0·1	95·8	75·8	-1·0	72·3	90	- 1	8·7	20·21	+0·46	18	-4·1	3·27
BENGAL																				
Cox's Bazar ...	29·610	-·004	S 39 E	4·5	79·7	76·9	84·8	-0·6	88·1	75·8	0	72·6	88	- 3	6·2	13·50	-17·01	18	-4·6	3·10
Chittagong ...	29·561	-·001	S 27 E	9·5	80·3	76·3	86·3	+0·4	89·4	76·3	0	72·4	83	- 6	8·3	10·15	-9·15	13	-3·4	3·30
Narayanganj ...	29·594	0	S 43 E	4·9	81·8	78·9	88·1	+0·4	91·4	78·4	-0·5	75·8	88	- 1	8·5	11·58	-1·16	15	-2·6	3·53
Barisal ...	29·587	-·010	S 37 E	3·8	81·0	78·7	86·5	-0·4	89·1	77·8	-0·4	75·4	90	+ 1	7·8	17·55	+2·94	23	+2·9	4·60
Jessore ...	29·563	-·006	S 37 E	2·7	80·7	79·2	88·3	-0·2	91·5	76·4	-2·3	74·0	93	+ 4	9·2	9·87	-1·08	19	+2·2	1·32
Calcutta ...	29·553	-·010	S 39 E	3·3	81·6	79·3	88·8	+1·0	92·0	78·8	+0·3	77·0	90	+ 1	8·5	11·29	-1·40	18	-0·3	3·00
Saugor Island ...	29·548	-·019	S 6 W	11·3	82·5	79·1	85·7	-1·6	88·4	79·2	-0·5	71·4	86	- 3	8·3	10·73	-3·45	12	-4·5	2·87
Burdwan ...	29·497	+·011	S 42 E	2·3	81·8	79·3	89·3	+0·1	91·8	78·3	-0·7	75·7	89	+ 1	8·2	15·89	+4·63	20	+4·3	2·79
Berhampore ...	29·533	+·009	S 57 E	3·4	83·4	80·1	90·0	+1·3	93·6	78·2	-0·6	75·5	87	- 3	6·3	8·80	-3·15	14	-2·6	2·60
Mymensingh ...	29·585	+·019	S 65 E	2·4	81·0	78·2	87·6	+0·2	92·0	77·3	-1·0	73·4	88	- 2	9·2	13·19	-2·45	15	-4·1	7·17
Bogra ...	29·546	+·009	S 79 E	2·0	82·2	79·9	91·6	+3·1	92·0	77·7	-0·8	76·0	90	+ 1	7·1	7·63	-5·66	11	-5·8	2·06
Dinajpur ...	29·479	0	S 72 E	2·0	82·5	79·2	88·6	-0·3	92·4	78·9	+0·3	76·0	86	- 4	7·2	6·87	-6·48	10	-5·6	1·64
Jalpaiguri ...	29·342	-·007	N 63 E	1·1	80·7	79·9	90·7	+2·2	96·9	77·0	-0·2	74·6	97	+ 5	7·4	16·48	-8·56	26	+6·1	2·12
ORISSA																				
Balasore ...	29·505	-·008	S 24 W	3·7	82·1	79·2	87·2	-1·2	90·4	78·2	-0·1	74·7	87	0	8·0	19·17	+7·81	20	+5·4	4·72
Chandbali ...	29·562	...	N 79 W	5·2	82·0	78·8	87·3	...	91·9	76·7	...	66·8	87	...	7·9	12·56	...	17	...	3·73
Cuttack ...	29·501	+·001	S 80 W	2·2	80·4	77·8	87·7	-1·5	92·4	77·5	-0·9	74·4	88	+ 4	7·8	11·15	+3·49	20	+4·0	8·20
Sambalpur ...	29·112	+·006	S 55 W	2·8	79·0	76·3	85·9	-1·0	90·2	75·8	-1·3	71·7	89	+ 3	8·6	27·20	+8·01	20	+0·8	5·44
CHOTA NAGPUR																				
Chaibasa ...	28·826	-·005	S 22 W	2·6	79·2	76·6	86·8	-1·9	91·1	76·3	-0·7	72·8	89	+ 3	9·7	17·68	+6·21	18	+1·6	2·84
Ranchi ...	27·448	+·004	N 45 W	3·7	74·7	72·9	81·6	-1·8	85·1	71·8	-1·2	68·4	92	+ 3	9·6	15·01	+1·84	21	+2·4	1·54
Hazaribagh (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22·29	+9·15	20	+2·2	6·80

(*a*) Reports only rainfall. (*b*) Mean of 30 days. (*c*) Mean of 29 days. (*e*) Mean of 27 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·473	+·001	S 79 E	2·1	83·6	79·7	89·8	+0·8	97·2	78·3	-0·3	76·8	84	- 7	7·1	8·24	-5·86	18	+1·9	1·60
Darbhanga ...	29·403	-·013	S 74 E	4·1	82·8	79·0	89·0	+0·2	93·1	78·5	-0·6	74·1	84	- 4	6·8	11·92	-2·04	11	-3·4	3·03
Patna ...	29·405	+·016	N 81 E	4·6	83·0	79·6	89·4	+0·3	94·1	79·7	+0·3	76·2	85	- 2	8·0	11·43	-2·12	14	+0·2	3·61
Gaya ...	29·187	-·003	S 56 E	2·2	81·5	78·4	89·1 (k)	-1·0	94·2	77·7 (k)	-0·8	74·9	87	+ 2	6·6	20·26 (e)	+7·04	22	+7·0	4·80
Naya Dumka (j)	29·100	+·010	S 73 E	2·5	81·0	75·1	88·4	-0·1	90·6	77·1	-0·4	75·0	87	0	8·5	6·44	-6·57	12	-6·0	1·19
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·334	+·020	S 87 E	2·5	82·2	79·4	89·9	+0·3	95·5	77·9	-0·5	74·6	88	0	4·1	11·85	-2·14	20	+5·1	2·05
Benares ...	29·316	+·007	N 31 W	4·7	80·9	78·3	87·2	-2·5	93·1	77·6	-1·0	75·5	89	+ 2	9·0	22·23	+10·69	22	+7·3	3·90
Allahabad ...	29·255	+·007	N 5 W	4·1	80·9	78·2	87·7	-2·3	94·2	77·5	-1·1	74·4	89	+ 4	9·4	13·36	+2·26	20	+6·0	2·00
Cawnpore ...	29·151	+·009	S 84 E	2·4	81·3	78·3	88·3	-2·4	93·8	77·4	-1·4	74·7	87	+ 2	7·3	9·55	-1·80	19	+6·1	2·05
Lucknow ...	29·204	+·015	N 80 E	1·7	81·2	78·4	88·5	-2·1	94·2	77·7	-0·8	74·3	88	+ 2	8·4	16·49	+5·60	17	+3·9	4·15
Bahraich ...	29·162	+·009	S 58 E	2·7	82·0	78·2	89·0	-1·4	95·2	76·9	-1·5	71·9	84	- 2	6·5	7·60	-5·65	12	-0·9	1·53
UNITED PROVINCES, WEST																				
Jhansi ...	28·756	+·004	S 69 W	3·5	80·2	76·0	88·0	-1·4	92·2	76·2	-1·2	72·8	82	0	7·9	9·45	-1·80	11	-2·5	2·01
Agra ...	29·006	+·001	S 29 W	4·2	81·1	77·0	89·5	-2·2	93·0	77·4	-1·5	72·3	83	- 4	9·4	3·10	-5·05	6	-4·2	0·96
Mainpuri ...	29·058	+·023	N 22 E	2·0	81·3	77·5	89·6	-2·2	95·0	75·8	-3·0	71·6	84	+ 1	8·6	10·37	+1·68	12	+1·3	3·03
Bareilly ...	29·017	+·026	S 83 E	2·0	80·8	77·4	88·4	-1·8	94·8	76·9	-1·2	73·4	85	- 2	8·5	10·19	- 2·08	12	-0·2	3·08
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·66	-2·03	10	+0·4	1·36
Roorkee ...	28·671	+·001	S 53 E	2·5	80·2	77·0	88·8	-1·4	95·1	76·6	-0·5	73·7	86	+ 2	7·5	5·59	-6·44	11	-0·7	0·93
Dehra Dun ...	27·377	-·006	S 53 E	0·9	74·7	73·0	84·0	+0·2	90·3	72·1	-0·9	70·0	92	+ 1	8·4	27·77	-1·01	23	+1·7	3·98
PUNJAB, EAST AND NORTH																				
Delhi ...	28·866	+·024	S 6 E	3·4	81·3	76·3	90·8	-1·6	97·8	79·2	-0·6	73·8	79	+ 2	7·4	3·45	-3·97	7	-2·2	1·12
Hissar ...	28·827	+·006	S 32 W	5·3	84·0	75·9	95·8	-2·3	101·1	78·4	-2·0	73·0	68	- 2	1·6	3·33	-0·29	3	-2·3	1·44
Ambala ...	28·666	+·004	S 40 E	2·8	80·8	76·9	91·1	-2·0	99·6	77·3	-0·6	73·2	84	0	6·8	8·74	+1·04	9	-0·1	3·30
Ludhiana ...	28·744	+·004	S 80 E	2·6	83·2	77·1	94·2	-0·5	102·5	79·1	-0·2	74·4	76	- 2	5·6	1·58	-5·36	7	-0·6	0·43
Lahore ...	28·830	-·002	S 42 E	1·8	84·7 (b)	79·2 (b)	95·4	-2·3	103·4	79·6	+0·3	75·0	78 (b)	+ 3	4·5	13·39	+8·06	9	+3·2	2·82
Sialkot ...	28·715	0	S 60 E	1·5	83·0	78·1	93·7	-0·8	100·9	77·7	-0·6	69·4	80	0	4·3	8·79	-0·12	9	-0·1	2·32
Rawalpindi ...	27·901	+·003	S 60 E	2·8	81·6	76·0	91·8	-2·1	100·8	75·4	0	67·7	78	+ 1	4·4	18·98	+9·84	8	-1·3	7·45
PUNJAB, SOUTH WEST																				
Khushab ...	28·924	+·003	S 87 E	5·7	85·4	77·3	95·6	-4·6	102·0	80·8	-0·6	72·2	68	- 1	3·9	9·36	+6·14	8	+4·6	3·49
Lyallpur ...	28·922	+·007	S 13 E	2·4	84·9	77·7	95·9	-2·2	101·8	79·6	-0·1	75·1	72	+ 1	5·1	3·77	-1·01	6	+0·1	1·45
Montgomery ...	28·960	-·005	S 25 W	3·1	85·4	78·6	96·9	-4·2	104·6	80·5	-1·3	75·4	73	+10	2·0	2·86	-0·42	5	+1·2	1·05
Multan ...	29·106	+·023	S 9 W	3·0	84·5	78·9	97·2	-3·7	105·1	80·9	-1·6	71·7	77	+ 8	3·1	5·24	+3·26	6	+3·4	2·80
Bahawalpur ...	29·141	...	S 26 W	4·1	84·4	79·5	98·8	...	104·3	80·6	...	76·4	76	...	3·2	2·47	...	5	...	0·99
Khanpur ...	29·233	...	S 34 W	1·4	84·1	78·5	99·2	...	105·5	78·4	...	76·6	77	...	2·4	5·28	...	4	...	2·67
KASHMIR																				
Srinagar ...	24·673	-·003	S 45 W	2·5	69·6	65·8	85·1	+0·2	94·3	64·1	+0·4	56·9	83	+ 1	4·8	6·69	+4·36	8	+2·7	2·65
Gulmarg ...	21·770	+·010	N 35 E	1·9	61·0	57·4	67·1	-1·6	73·7	51·4	+0·7	45·1	82	+ 4	5·2	11·46	+6·73	10	+0·4	4·54
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·32	+3·72	10	+1·3	2·76
Dras ...	20·706	+·007	W	6·2	59·6	52·0	74·5	-3·3	80·3	52·0	+3·2	45·7	63	+ 1	3·1	1·53	+0·99	4	+2·5	0·84
Leh ...	19·635	-·004	S 16 W	2·5	58·5	52·0	74·9	-1·6	79·9	50·5	+0·8	45·2	68	+10	4·8	0·43	-0·06	2	+0·2	0·16
Skardu ...	22·655	-·015	Calm	2·0	68·8	62·4	85·3 (b)	-2·1	91·3	61·7	0	49·3	75	+24	3·8	1·09	+0·72	1	-0·2	0·84
Gilgit ...	24·844	-·037	Calm	0·7	72·5	65·3	89·4	-5·8	103·0	69·4	-1·9	52·2	67	+18	5·4	3·40	+2·91	6	+4·2	1·03
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·391	-·049	N 7 W	1·7	83·4	75·7	94·8	-4·7	105·0	77·6 (b)	-0·5	68·5	71	+ 1	5·3	4·10	+1·86	6	+3·4	1·36
Dera Ismail Khan ...	28·945	+·008	N 71 E	2·1	84·6	78·1	95·3	-5·4	102·2	79·0	-2·3	71·7	74	- 1	3·7	2·66	+0·72	5	+2·8	1·27
BALUCHISTAN																				
Fort Sandeman ...	25·183	-·002	N 23 W	1·4	75·1	67·5	93·5	-3·0	102·5	71·4	-1·1	66·2	68	+ 6	2·7	3·33	+1·65	8	+4·4	1·60
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·98	-0·59	6	+0·6	1·12
Quetta ...	24·512	+·068	S 45 E	3·3	67·7	55·1	91·7	+0·1	96·2	61·8	+0·3	48·6	45	- 13	2·4	0	-0·46	0	-0·8	0
Chaman ...	25·445	-·002	S 1 W	4·6	76·6	55·8	93·8	-4·5	100·5	70·7	-1·6	62·1	22	-17	1·8	0	-0·04	0	-0·1	0
Kalat ...	23·586	+·016	S 3 E	5·3	63·1	52·9	84·3	-6·5	88·2	54·2	+2·0	42·1	51	+ 2	1·6	0	-0·30	0	-0·8	0
Dalbandin ...	26·843	+·031	S 84 W	5·4	76·6	56·0	104·0	-2·1	111·2	68·3	-2·7	57·1	23	-10	0	0	-0·20	0	-0·6	0
Mirjawa ...	26·921	...	N 71 W	7·9	72·9	56·8	100·6	...	110·0	70·2	...	61·1	33	...	0	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (e) Total of 27 days. (j) Mean of 22 days. (k) Mean of 21 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·342	+·024	S 53 E	3·3	84·7	78·5	97·9	-6·7	105·9	80·8	-1·3	75·3	75	+ 4	2·4	1·61	+0·63	4	+2·4	0·71
Hyderabad ...	29·450	+·010	S 29 W	7·9	81·5	75·7	90·9	-4·8	97·9	78·0	-1·1	72·9	76	+ 5	5·3	7·28	+5·16	5	+2·5	2·92
Karachi ...	29·577	+·002	S 80 W	11·0	80·4	76·4	85·1	-0·4	88·5	77·7	-0·4	70·1	83	- 2	8·3	0·20	-1·47	1	-1·0	0·17
RAJPUTANA, WEST																				
Bikaner ...	28·814	+·034	S 35 W	7·5	82·7	75·8	94·7	-3·1	98·7	78·8	-1·9	72·5	72	+ 3	3·8	0·79	-2·68	3	-1·9	0·33
Jodhpur ...	28·808	+·002	S 51 W	3·8	79·3	74·4	90·7	-2·4	94·6	76·8	-0·9	73·4	78	+ 3	7·8	7·74	+3·34	7	+1·7	2·54
RAJPUTANA, EAST																				
Jaipur ...	28·189	+·019	N 86 W	3·0	79·6	74·0	89·0	-2·4	95·0	75·8	-0·6	70·1	77	- 1	7·1	7·81	-0·12	12	+1·6	2·00
Ajmer ...	28·016	+·016	S 74 W	5·5	77·1	72·1	85·7	-2·3	90·5	75·0	-1·0	70·8	78	- 4	7·1	6·81	+0·06	10	+1·3	2·35
Kotah ...	28·752	+·007	S 86 W	4·1	81·8	75·9	89·4	-0·9	96·6	77·2	-1·3	70·8	76	+ 2	6·6	8·09	-0·76	8	-2·4	3·70
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·43	-2·49	8	-0·6	1·48
GUJARAT																				
Deesa ...	29·162	+·002	S 52 W	8·6	78·1	74·7	87·2	-2·2	91·3	74·7	-1·2	71·5	85	+ 1	9·7	6·79	-1·83	10	+0·6	1·53
Bhuj ...	29·276	-·005	S 84 W	9·7	79·5	74·2	86·2	-2·3	90·2	75·8	-0·5	73·3	77	- 6	8·8	2·12	-1·12	2	-2·0	1·35
Dwarka ...	29·612	+·003	S 82 W	14·3	79·9	75·8	83·7	-0·9	86·6	78·2	-0·1	74·8	82	- 3	9·9	1·79	-1·41	4	-0·9	0·75
Rajkot ...	29·211	-·002	S 55 W	11·6	79·7	74·6	88·3	-0·5	93·1	74·4	-0·1	71·5	79	- 4	8·3	1·88	-3·83	2	-5·8	1·12
Veraval ...	29·676	+·018	N 87 W	(b) 13·3	79·5	77·7	83·2	+0·9	85·1	78·5	+0·5	75·3	92	+ 3	9·2	1·84	-1·95	4	-2·0	0·66
Surat ...	29·656	+·011	S 55 W	5·4	79·8	76·6	85·7	-0·9	88·5	76·8	0	74·2	86	+ 1	9·1	3·80	-3·75	16	+3·5	0·60
Bhavnagar ...	29·610	-·005	S 85 W	5·5	81·1	75·7	90·4	-0·9	96·6	75·5	-1·3	72·9	77	- 4	7·5	4·41	-0·76	5	-2·8	2·92
Ahmadabad ...	29·500	+·012	S 65 W	4·7	78·8	75·1	88·4	-1·6	94·4	74·8	-2·0	71·0	83	0	6·1	6·57	-1·42	13	+2·3	1·25
CENTRAL INDIA, WEST																				
Neemuch ...	28·012	0	S 71 W	7·5	75·4	71·8	83·0	-2·0	86·5	72·2	-0·5	68·8	84	- 2	6·5	7·71	-1·12	6	-3·9	2·19
Indore ...	27·839	+·005	N 87 W	6·8	73·7	70·6	82·1	-0·5	86·1	70·7	-0·7	67·8	85	- 3	9·6	6·93	-1·08	7	-4·1	4·37
Bhopal ...	27·983	...	N 87 W	(b) 6·0	74·8	71·9	...	...	...	(b) 73·2	...	69·5	87	...	6·8	11·14	...	10	...	4·04
CENTRAL INDIA, EAST																				
Nowgong ...	28·825	+·008	N 58 W	2·3	78·5	75·8	87·8	-0·1	91·8	76·2	-0·8	73·1	88	+ 1	8·9	10·00	-3·47	16	+2·3	1·75
Sutna ...	28·534	+·012	S 76 W	2·7	78·5	75·4	84·7	-1·3	90·3	74·5	-1·7	70·0	86	- 1	8·2	14·95	+2·17	20	+5·3	2·49
BERAR																				
Akola ...	28·744	+·007	N 86 W	5·3	78·4	72·1	90·3	+3·6	95·5	74·6	+1·1	68·9	73	- 8	7·5	0·38	-6·05	1	-8·6	0·11
Amraoti ...	28·451	+·013	S 75 W	8·7	78·1	72·6	88·2	+2·1	92·8	73·9	+1·1	69·9	77	- 9	6·5	1·61	-4·97	4	-5·8	0·44
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·599	-·008	S 84 W	8·1	77·3	72·4	87·0	+1·4	91·7	73·6	-0·5	68·0	78	- 6	5·1	2·32	-4·17	4	-6·4	1·30
Hoshangabad ...	28·641	+·016	S 66 W	3·1	75·7	73·1	84·9	-0·1	90·5	74·1	+0·2	69·8	88	- 2	9·5	12·57	-2·42	12	-3·5	3·98
Saugor ...	27·803	+·005	N 88 W	5·2	74·2	71·7	81·7	-1·9	85·8	70·6	-2·1	67·2	88	0	9·6	22·68	+9·03	17	+1·6	4·00
Jubbulpore ...	28·257	-·009	N 75 W	2·1	75·7	73·6	82·5	-2·1	86·1	73·1	-0·9	64·8	90	+ 2	9·0	24·10	+7·24	20	+2·6	6·55
Seoni ...	27·598	-·003	N 80 W	3·0	74·9	71·7	81·7	-1·1	85·6	70·9	-0·5	68·3	86	- 1	8·8	11·71	-1·48	16	-0·6	2·09
Nagpur ...	28·626	+·015	N 71 W	4·5	78·3	72·3	87·4	+0·6	92·4	72·9	-1·7	69·1	75	- 8	7·2	7·07	-4·57	10	-3·7	1·85
CENTRAL PROVINCES, EAST																				
Pendra ...	27·568	0	N 57 W	4·6	75·1	72·5	81·6	-1·4	86·0	71·8	-0·7	67·0	89	+ 2	9·0	14·19	+0·98	19	+1·0	3·17
Raipur ...	28·633	+·003	S 79 W	1·7	77·4	74·8	84·7	-1·0	89·5	71·0	-0·8	69·1	89	0	8·2	18·75	+5·02	17	+1·4	4·92
Kanker ...	28·320	...	S 88 W	5·2	77·1	72·9	82·4	...	88·5	73·2	...	69·0	82	...	8·2	18·10	...	16	...	3·80
Chanda ...	29·015	-·001	S 72 W	4·8	79·1	74·1	89·2	+1·8	96·7	75·5	+0·4	70·4	79	- 3	4·5	8·24	-4·75	13	-2·0	2·42
Jagdalpur ...	27·817	-·023	S 88 W	3·9	74·9	72·3	82·3	-0·6	86·8	70·5	-0·9	66·2	87	0	8·4	30·38	+15·97	20	+0·3	6·75
KONKAN																				
Bombay ...	29·701	+·006	S 80 W	9·2	80·3	76·1	85·9	+1·0	87·1	76·5	+0·6	74·1	83	- 3	8·5	6·06	-7·74	16	-3·2	0·90
Ratnagiri ...	29·554	-·004	S 89 W	7·5	78·8	75·7	83·3	-0·3	84·4	73·9	-1·6	72·0	86	- 1	6·4	14·73	-5·01	23	-0·7	2·60
Marmagao ...	29·723	-·006	S 51 W	8·2	...	...	...	...	...	...	...	...	...	...	9·5	17·19	+1·33	28	+5·5	2·30
Karwar ...	29·774	+·009	S 16 W	2·8	77·7	75·1	83·5	+1·0	88·1	74·2	-0·6	72·6	88	0	6·5	17·16	-4·22	27	+3·1	1·67
BOMBAY DECCAN																				
Malegaon ...	28·265	+·012	S 67 W	7·5	78·7	71·4	88·0	+0·9	92·4	71·0	-0·9	67·0	71	- 6	9·3	0·36	-2·85	2	-3·9	0·15
Ahmadnagar ...	(e) 27·572	-·006	N 88 W	6·5	75·6	69·0	86·0	+1·1	90·0	(m) 67·0	-1·9	62·6	71	- 8	6·9	0·45	-2·04	1	-3·9	0·19
Poona ...	27·898	+·015	S 84 W	6·4	74·2	70·1	82·2	+0·5	85·6	68·5	-1·1	65·8	81	- 3	7·9	0·19	-2·76	2	-7·0	0·11
Mahableshwar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	63·41	...	31	...	5·70
Sholapur ...	28·165	+·009	S 70 W	...	77·5	71·1	90·6	+3·2	94·5	(h) 70·8	-0·1	68·4	72	- 4	5·7	1·88	-2·90	7	-0·6	0·50
Bijapur ...	27·816	+·019	N 58 W	8·2	75·5	70·1	88·4	+1·8	93·8	69·9	+0·1	67·2	76	- 4	6·8	0·47	-1·95	1	-3·5	0·46
Belgaum ...	27·239	+·015	S 70 W	4·4	69·7	68·3	77·3	+1·0	81·5	67·3	+0·9	65·3	93	0	8·9	5·56	-4·11	20	+3·0	0·57
HYDERABAD, NORTH																				
Aurangabad ...	27·817	-·002	S 89 W	12·2	74·0	69·3	85·3	+0·9	90·9	69·2	-0·2	64·4	79	- 4	8·2	1·41	-3·42	4	-5·0	0·57
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·38	-3·16	6	-2·6	0·64
Nizamabad ...	28·437	+·005	S 66 W	3·1	76·0	70·9	87·7	+1·3	92·5	72·7	-0·2	68·8	77	- 4	3·7	6·50	-3·69	10	-4·1	1·96

(a) Reports only rainfall. (b) Mean of 30 days. (e) Mean of 27 days. (h) Mean of 24 days. (m) Mean of 19 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·231	+·010	N 86 W	11·3	77·6	70·4	92·1	+3·6	95·1	72·2	+0·8	68·9	69	−11	4·7	0·63	−5·06	3	−5·3	0·22
Raichur ...	28·435	+·012	N 83 W	10·5	78·6	72·1	93·4	+3·8	96·2	72·3	−0·2	68·8	72	− 4	2·1	1·17	−4·15	4	−4·6	0·20
Hyderabad ...	28·009	+·020	N 81 W	5·4	76·3	70·3	89·6	+3·8	95·3	72·6	+0·1	68·1	74	− 6	7·2	4·14	−2·16	7	−3·4	1·24
Hanamkonda ...	28·799	+·001	N 64 W	5·9	79·2	73·3	88·6	+0·7	94·2	75·1	−0·2	70·5	76	+ 2	7·8	6·20	−0·35	11	+0·4	2·30
MYSORE																				
Chitaldrug ...	27·325	+·010	S 76 W	8·9	71·8	68·2	85·2	+2·9	89·9	68·8	+0·6	67·4	83	0	9·1	2·51	−0·44	6	−0·9	1·15
Bangalore ...	26·835	+·021	N 87 W	8·5	71·0	66·5	85·9	+3·9	90·1	56·6	+0·8	63·9	78	− 7	9·5	1·71	−3·67	6	−3·6	0·63
Mysore ...	27·322	+·007	S 68 W	7·1	71·4	67·6	84·3	+1·1	87·6	66·3	−0·4	64·0	81	0	6·0	1·43	−1·84	6	−0·7	0·54
MALABAR																				
Mangalore ...	29·762	+·009	N 71 W	3·7	77·5	75·6	83·4	−0·2	85·7	73·8	−0·2	71·2	91	+ 2	8·5	23·00	+0·46	29	+4·2	3·55
Calicut ...	29·830	+·024	N 39 W	3·1	77·0	74·6	84·1	+1·6	88·1	73·7	−0·7	71·1	89	− 3	9·3	11·49	−4·09	16	−2·7	1·41
Cochin ...	29·850	+·011	N 13 W	5·0	77·8	75·5	82·4	−1·6	89·9	74·7	+0·2	72·3	89	+ 3	8·0	8·96	−3·93	17	−1·3	2·15
Trivandrum ...	29·634	−·002	N 23 W	8·2	77·6	75·1	82·1	−0·4	84·2	75·3	+0·5	73·3	88	+ 2	8·4	1·79	−2·28	6	−3·2	0·60
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·56	0	−1·0	0
Pamban ...	29·742	+·003	S 19 W	6·2	82·4	76·7	87·9	−1·4	91·5	78·9	+0·4	74·9	76	− 1	3·6	0	−0·73	0	−1·1	0
Madura ...	29·313	+·003	N 58 W	4·1	83·1	72·4	97·1	+0·9	101·1	77·9	+1·9	75·2	59	− 8	7·5	0·74	−3·51	4	−2·0	0·25
Negapatam ...	29·746	+·013	S 83 W	4·7	82·4	75·6	93·4	−0·6	96·0	78·2	+0·7	71·0	73	0	6·0	3·20	−0·39	3	−2·3	2·11
Trichinopoly ...	29·524	+·005	S 62 W	7·3	83·1	73·2	96·6	0	100·0	77·5	+0·6	72·1	61	− 6	6·2	1·59	−2·24	2	−3·0	1·15
Coimbatore ...	28·456	+·008	S 29 W	3·1	76·3	71·7	86·5	−1·6	90·5	70·9	0	69·2	80	− 3	5·0	1·39	+0·26	2	−0·7	1·26
Salem ...	28·873	+·010	S 45 W	5·0	78·8	73·3	93·6	+1·4	97·2	74·6	+1·7	70·8	76	− 4	5·5	1·67	−5·17	5	−5·5	0·94
Cuddalore ...	29·732	+·018	S 57 W	4·7	81·0	76·1	92·6	−1·4	98·2	76·1	−0·9	70·7	79	+ 2	7·2	7·58	+2·61	13	+5·5	2·09
Vellore ...	29·040	−·001	S 87 W	5·1	81·0	72·4	94·4	+1·1	99·4	76·6	+0·2	73·6	65	− 7	4·9	1·80	−4·48	7	−0·3	0·63
Madras ...	29·707	−·010	S 65 W	5·5	81·8	75·5	94·2	0	99·4	77·6	−0·1	74·1	74	− 1	7·1	4·43	−0·16	9	+1·1	0·81
MADRAS, DECCAN																				
Cuddapah ...	29·331	+·013	N 55 W	6·4	82·4	73·2	95·3	+0·7	99·6	78·3	+1·2	74·8	63	− 7	8·2	1·21	−4·60	4	−4·0	0·53
Bellary ...	28·278	0	N 82 W	2·1	78·0	70·3	91·1	+0·2	94·2	74·4	+0·6	73·0	67	0	4·5	0·09	−2·23	0	−4·1	0·04
Kurnool ...	28·800	−·009	N 87 W	1·1	78·5	71·5	92·1	+1·7	95·2	74·3	+0·2	69·4	69	− 8	8·4	2·37	−2·67	5	−4·1	0·55
MADRAS COAST, NORTH																				
Nellore ...	29·659	+·011	S 79 W	4·6	83·0	74·0	96·6	+0·8	101·9	79·9	+0·9	73·8	64	− 5	7·5	1·61	−1·66	5	−0·7	0·65
Masulipatam ...	29·670	−·010	N 83 W	5·2	81·0	78·1	90·0	−1·4	96·9	77·3	−0·4	71·8	87	+ 5	8·1	6·61	−0·30	10	−0·8	1·55
Cocanada ...	29·622	−·008	S 86 W	6·4	81·5	77·0	89·8	+0·2	98·5	(e) 77·4	−1·0	72·7	81	− 2	7·3	2·82	−2·67	7	−2·6	0·94
Vizagapatam ...	29·580	−·013	N 74 W	7·0	83·6	77·4	89·6	+0·8	96·3	79·7	+1·5	72·9	75	− 5	8·3	8·21	+2·85	8	−0·4	2·59
Calingapatam ...	29·590	−·010	S 73 W	5·7	81·4	77·7	89·3	−0·6	96·5	77·4	−1·3	73·2	84	0	6·9	12·90	+3·95	14	+4·0	3·40
Gopalpur ...	29·531	−·010	N 86 W	6·4	83·0	80·1	87·5	−0·1	93·5	78·3	−0·6	74·0	88	+ 2	7·5	7·59	−0·16	12	+0·9	2·34
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·263	−·003	S 25 W	1·8	70·0	68·0	76·7	+0·5	80·2	66·0	+0·1	64·0	90	− 1	8·3	7·66	−·165	16	+0·9	1·98
Shillong ...	24·977	+·001	N 60 E	1·8	68·8	65·7	74·9	0	77·4	63·5	−0·2	59·3	85	− 1	8·6	14·47	+0·11	21	+1·7	4·63
Cherrapunji ...	25·513	−·014	S 72 E	4·8	67·6	66·2	72·2	0	77·9	65·3	+0·3	62·1	93	− 2	9·3	51·45	−28·39	29	+2·3	12·98
Darjiling ...	22·850	+·005	N 36 E	2·1	62·5	61·0	68·0	+1·5	73·3	58·3	+0·7	53·0	93	− 2	8·7	17·03	−9·09	21	−3·1	2·54
Mukteswar ...	22·730	+·014	S 21 W	5·0	59·7	58·8	65·9	−2·9	72·5	57·8	+0·6	54·2	95	+ 1	9·3	14·42	+2·57	19	+2·0	1·82
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30·69	+4·25	28	+5·6	3·95
Chakrata ...	23·261	+·034	S 72 W	4·6	63·4	62·5	68·2	−0·6	75·3	60·0	+0·4	56·5	95	+ 2	8·7	15·82	−2·87	15	−4·6	2·86
Simla ...	22·979	+·005	N 61 E	1·5	62·1	60·2	66·3	−0·4	74·0	58·6	−0·7	56·0	90	+ 1	8·2	18·32	+0·99	18	−1·5	3·75
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·38	...	15	...	1·80
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26·46	...	24	...	3·16
Murree ...	(g) 23·865	+·025	N 45 E	2·8	66·2	63·2	70·8	−3·0	79·0	62·0	+1·1	57·8	85	+ 1	6·1	19·27	+4·39	14	−0·6	4·81
Cherat ...	25·508	+·007	N 28 E	5·2	72·0	68·5	81·5	−4·6	93·5	68·7	−1·2	60·8	84	+ 9	5·5	13·62	+9·38	10	+3·9	4·30
Parachinar ...	24·278	−·004	Calm	2·2	72·3	64·4	82·1	−2·9	89·1	63·5	−1·4	57·3	67	+ 4	3·3	3·76	+0·13	8	+0·3	1·88
Drosh ...	...	...	N 66 E	3·6	73·0	67·9	90·5	−5·0	99·6	69·1	−3·1	59·0	77	+20	3·7	4·48	+3·78	6	+3·7	1·30
Mount Abu ...	25·817	+·002	S 49 W	7·8	65·0	64·2	71·0	−1·1	73·1	63·4	−1·0	59·6	95	0	9·9	47·59	+25·28	19	+1·6	14·43
Pachmarhi ...	26·225	+·010	N 73 W	5·8	67·8	66·5	73·7	−1·1	78·1	65·9	−1·1	63·1	94	+ 1	9·2	26·46	+3·16	23	+1·5	6·42
Mercara ...	26·131	+·017	N 86 W	6·6	64·2	63·6	68·4	−1·0	72·2	61·2	−0·6	60·0	97	+ 1	9·9	21·55	−3·90	28	+1·7	3·22
Kodaikanal ...	22·744	+·019	N 68 W	6·2	56·7	52·9	63·4	−0·1	66·9	52·1	−0·2	50·4	79	− 1	6·7	6·82	−0·17	10	−2·1	1·58
Coonoor ...	24·385	...	N 71 W	3·8	64·3	58·7	70·2	...	72·5	55·8	...	51·6	73	...	6·8	2·43	...	7	...	0·50
CEYLON																				
Colombo ...	29·826	+·006	S 54 W	4·3	77·6	74·5	85·1	−0·8	86·9	76·7	−0·5	72·1	86	+ 2	7·8	0·31	−2·96	1	−5·3	0·24

(a) Reports only rainfall. (e) Mean of 27 days. (g) Mean of 25 days.

MONTHLY WEATHER REPORT

FOR

September 1929

Supplement to the Indian Daily Weather Report for the 17th October 1929

Published by order of the Governor-General in Council

Summary.—The monsoon was fairly active in Burma and northeast India throughout the month and in the central parts of the country during the first eight days. The activity of the monsoon revived in the Peninsula after the 12th under the influence of a depression and a storm in the Arabian Sea. Weather was generally dry in northwest India after the 2nd.

1. The monsoon withdrew from northwest India after the 2nd and weather was practically dry there during the month. It was generally active in Burma and the central parts of the country up to the 9th and in northeast India on the 4th and 5th and from the 9th to 12th. Weather was generally dry in the Peninsula from the 2nd to 12th except for light rain along the west coast between the 1st and 5th and in the north Deccan and north Madras on the 7th and 8th. Conditions became unsettled in the Bay of Bengal on the 14th off the Madras coast where a shallow low pressure area appeared on the 16th. It moved westwards and lay as a depression off the Konkan on the 19th morning. The depression moved in a northwesterly direction and disappeared off the Kathiawar coast on the 22nd. As a result of this disturbance widespread and locally heavy rain associated with thunderstorms fell in the Peninsula between the 13th and 20th; rainfall also extended into the Central Provinces on the 17th and 18th and into Gujarat on the 19th and 20th. During the period 14th to 18th the monsoon was fairly active in Burma, Assam and Bengal. Some of the noteworthy falls of heavy rain recorded during the period 1st to 20th are:—Akyab and Cox's Bazar 5″ each and Narayanganj 4″ on the 3rd, Yamethin 4″ on the 8th, Cherrapunji 19″ in 48 hours ending at 8 hrs. on the 12th, Darjiling 7″ and Dhubri and Patna 4″ each on the 10th, Hyderabad (Dn.), Mysore and Madras 3″ each on the 14th, Mymensingh 5″, Cuddalore 4″ and Nellore and Belgaum 5″ each on the 15th, Jalpaiguri 7″ on the 16th and Poona 4″ the next day.

2. Extensive rain fell in Upper Burma between the 22nd and 25th, in Assam and Bengal on the 22nd and 23rd and in the Madras Presidency on the 22nd and 24th. Conditions became unsettled in the southeast Arabian Sea on the 25th and a depression had formed off the Malabar coast by the 27th evening which developed into a storm centred within 100 miles of Lat. 14°N, Long. 70°E on the morning of the 28th. Moving in a northwesterly direction during the next two days it was centred near Lat. 18° N, Long. 63° E on the 30th morning. On the morning of the 1st October the storm centre lay near Lat. 19° N, Long. 59° E; the storm weakened rapidly after crossing the Arabian coast in the evening. It caused widespread rain in the Peninsula from the 25th onwards. The monsoon was fairly active in Burma and northeast India on the last four days of the month and in the central parts of the country and the United Provinces between the 28th and 30th.

3. The months total rainfall was in large excess in Malabar, in moderate excess in southeast Madras and the Madras Deccan and in slight excess in Upper Burma, the east Central Provinces, the Bombay Deccan and Mysore. It was normal in Bengal, Orissa and Hyderabad, in slight to moderate defect in Lower Burma, Assam, Bihar, west Central India, Berar, the west Central Provinces, the Konkan and the north Madras coast and in large defect elsewhere. Averaged over the plains of India, the rainfall of the month was in defect by 23 per cent.

4. Maximum temperature was higher that usual in the United Provinces from the 14th to 24th, in east Central India between the 4th and 8th and again from the 14th to 20th, in the Bombay Deccan from the 22nd to 25th and in south Hyderabad between the 21st and 24th. Minimum temperature was below normal in Baluchistan up to the 6th and in west Rajputana from the 10th to 18th; it was above the average in the former division between the 16th and 21st and again from 25th to 29th. Day temperature was higher than usual in Rajputana, Central India,

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Berar and the west Central Provinces between the 21st and 27th and in Gujarat from 24th to 28th. The month's mean maximum temperature was above normal in Bihar, the United Provinces, the east and north Punjab, east Rajputana, Gujarat, Central India, the west Central Provinces, the Bombay Deccan and Mysore.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in slight excess in Upper Burma and in moderate to large defect elsewhere. Other climatic elements were normal.

Northeast India, including Orissa.—The total rainfall of the month was normal in Bengal and Orissa, in slight defect in Assam and in moderate to large defect elsewhere. Cloudiness was more than usual in Chota Nagpur and less in Bihar. Other climatic elements were not much different from normal, excepting maximum temperature in Bihar which was above normal.

The United Provinces, Central India and the Central Provinces.—The month's rainfall was in slight excess in the east Central Provinces, in slight defect in west Central India, Berar and the west Central Provinces and in large defect elsewhere. Cloud proportion and humidity were below normal and maximum temperature above it in the United Provinces, Central India and the west Central Provinces.

Northwest India.—The total rainfall of the month was in large defect and cloudiness less than usual in the division. Air was drier than usual in the east and north Punjab, the North-West Frontier Province, Rajputana and Gujarat. Maximum temperature was above normal in the east and north Punjab, east Rajputana and Gujarat.

The Peninsula. - The month's rainfall was in large excess in Malabar, normal in Hyderabad, in slight to moderate defect in the Konkan and the north Madras coast and in slight to moderate excess elsewhere. Other climatic elements were roughly normal except for the fact that maximum temperature was higher than usual in the Bombay Deccan and Mysore.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th October 1929.

T. ROYDS,
Offg. Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	12·34	15·83	−3·49	− 22	+0·1	0	− 2	+0·5
Assam	9·32	11·29	−1·97	− 17	+0·1	−0·9	− 2	+0·5
Bengal ...	11·93	11·82	+0·11	+ 1	+0·9	−0·5	− 1	0
Bihar and Orissa ...	6·42	9·45	−3·03	− 32	+1·4	−0·2	− 1	−0·1
United Provinces ...	2·13	6·72	−4·59	− 68	+3·7	−0·3	− 8	−2·2
Punjab ...	0·16	2·77	−2·61	− 94	+2·0	+0·9	− 6	−1·5
North-West Frontier Province.	0	0·68	−0·68	− 68	+1·3	+1·3	− 5	−1·0
Sind ...	0	0·41	−0·41	−100	−1·9	−1·0	+ 1	−0·8
Rajputana ...	1·28	3·05	−1·77	− 58	+1·6	−1·7	−10	−2·3
Bombay ...	4·07	5·87	−1·80	− 31	+1·8	−0·1	− 3	−0·6
Central India ...	3·04	6·03	−2·99	− 50	+4·1	−1·0	− 9	−2·5
Central Provinces ...	7·10	7·67	−0·57	− 7	+1·8	−0·3	− 2	−0·8
Hyderabad ...	7·23	7·52	−0·29	− 4	+1·0	+0·4	+ 1	−0·9
Mysore ...	6·45	5·48	+0·97	+ 18	+2·2	+0·9	− 1	−0·5
Madras ...	7·03	5·65	+1·38	+ 24	−0·2	+0·3	0	−0·1
Mean of India ...	5·85	7·61	−1·76	− 23	+1·3	−0·2	− 3	−0·7

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	6·80	18·07	−11·27	− 62	+0·7	+0·7	− 4	−1·2
2. Lower Burma ...	15·27	21·68	− 6·41	− 30	+0·9	0	− 2	+0·7
3. Upper Burma ...	8·58	7·48	+ 1·10	+ 15	−0·9	0	− 1	+0·1
4. Assam ...	9·32	11·29	− 1·97	− 17	+0·1	−0·9	− 2	+0·5
5. Bengal ...	11·93	11·82	+ 0·11	+ 1	+0·9	−0·5	− 1	0
6. Orissa ...	9·69	9·95	− 0·26	− 3	+0·4	−0·3	+ 1	+1·0
7. Chota Nagpur ...	3·60	8·79	− 5·19	− 59	+0·9	−0·1	+ 1	+1·5
8. Bihar ...	6·15	9·45	− 3·30	− 35	+2·2	−0·2	− 3	−1·4
9. United Provinces, East ...	2·04	7·23	− 5·19	− 72	+3·6	+0·2	− 6	−2·3
10. Do. do. West ...	2·20	6·27	− 4·07	− 65	+3·9	−0·7	− 9	−2·1
11. Punjab, East and North ...	0·25	3·60	− 3·35	− 93	+3·0	+1·2	−10	−1·7
12. Do. Southwest ...	0	1·31	− 1·31	−100	+0·3	+0·5	+ 1	−1·2
13. Kashmir ...	0·50	1·44	− 0·94	− 65	−0·2	−0·9	+ 4	−1·7
14. North-West Frontier Province ...	0	0·68	− 0·68	−100	+1·3	+1·3	− 5	−1·0
15. Baluchistan ...	0	0·25	− 0·25	−100	+1·4	+1·5	− 4	−0·4
16. Sind ...	0	0·41	− 0·41	−100	−1·9	−1·0	+ 1	−0·8
17. Rajputana, West ...	0·24	1·97	− 1·73	− 88	+1·2	−1·9	− 7	−2·1
18. Do. East ...	1·80	3·59	− 1·79	− 50	+1·9	−1·6	−11	−2·4
19. Gujarat ...	0·58	3·19	− 2·61	− 82	+1·9	−0·3	− 5	−1·1
20. Central India, West ...	4·63	5·69	− 1·06	− 19	+2·1	−0·7	−11	−1·7
21. Do. do. East ...	1·45	6·37	− 4·92	− 77	+6·3	−1·3	− 7	−3·3
22. Berar ...	4·65	5·95	− 1·30	− 22	+1·5	+0·9	− 2	−0·8
23. Central Provinces, West ...	6·29	7·71	− 1·42	− 18	+2·3	−0·8	− 6	−1·3
24. Do. do. East ...	9·54	8·46	+ 1·08	+ 13	+1·0	0	+ 3	+0·1
25. Konkan ...	6·89	11·02	− 4·13	− 37	+0·6	−0·3	+ 1	−0·4
26. Bombay Deccan ...	6·82	6·01	+ 0·81	+ 13	+2·3	+0·4	− 2	−0·1
27. Hyderabad, North ...	8·29	8·03	+ 0·26	+ 3	+0·6	+0·5	+ 1	−0·9
28. Do. South ...	6·43	7·13	− 0·70	− 10	+1·2	+0·3	0	−0·9
29. Mysore ...	6·45	5·48	+ 0·97	+ 18	+2·2	+0·9	− 1	−0·5
30. Malabar ...	12·44	7·82	+ 4·62	+ 59	+0·1	+0·1	0	+0·2
31. Madras, Southeast ...	5·37	4·26	+ 1·11	+ 26	−0·2	+0·5	− 1	0
32. Do. Deccan ...	8·22	5·84	+ 2·38	+ 41	+0·4	+0·5	0	−0·3
33. Do. Coast North ...	5·58	6·42	− 0·84	− 13	−0·8	+0·3	+ 1	−0·1

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·748	+·001	S 77 W	5·5	80·5	76·9	85·6	+0·7	88·6	77·3	+0·7	73·3	85	− 4	6·5	6·80	−11·27	12	−8·0	1·48
LOWER BURMA																				
Victoria Point ...	29·705	+·014	S 35 E	4·9	79·0	76·2	83·2	0	85·7	74·7	+0·6	71·4	87	− 1	7·8	25·60	−0·29	23	+1·1	4·80
Mergui ...	29·769	−·001	...	...	77·4	76·2	86·0	+1·6	90·7	71·7	−1·1	69·4	95	+ 1	8·7	17·33	−9·10	17	−5·9	4·77
Tavoy ...	29·816	+·001	S 23 E	1·6	78·0	76·1	86·6	+2·4	91·0	72·3	−1·9	70·5	92	− 1	7·9	21·80	−11·17	17	−5·6	4·08
Amherst ...	29·751	...	S 3 W	5·2	79·9	76·9	84·9	...	91·4	76·6	...	72·5	87	...	8·6	12·45	...	12	...	3·20
Rangoon ...	29·793	+·015	S 59 W	2·1	80·3	77·9	87·5	+1·6	93·1	76·7	+0·7	74·0	89	− 3	8·8	9·06	−6·21	15	−4·7	2·64
Bassein ...	29·787	+·030	S 78 W	2·0	81·2	78·0	88·5	+2·7	92·9	76·0	−0·1	72·5	86	− 7	7·8	9·90	−5·30	19	−1·0	1·75
Diamond Island ...	29·753	+·012	S 72 W	4·8	81·8	78·4	85·6	+0·9	89·8	78·1	+1·6	73·1	85	− 1	6·9	8·73	−9·25	9	−8·7	3·78
Gwa ...	29·789	...	S 55 E	3·2	80·1	77·6	84·1	...	87·9	75·0	...	72·9	89	...	5·3	16·00	...	14	...	2·56
Toungoo ...	29·627	−·001	...	...	80·0	77·0	88·5	−0·5	93·4	75·8	+0·6	74·2	87	− 3	7·3	15·49	+3·41	16	−2·6	4·13
Kyaukpyu ...	29·759	+·027	S 39 E	1·1	81·1	78·0	86·3	+0·4	89·9	76·4	0	73·8	87	− 2	7·7	9·76	−10·87	17	−3·0	2·54
Akyab ...	29·760	+·025	S 82 E	(d) 7·2	80·4	77·9	85·4	−1·0	88·3	77·2	−0·2	74·9	89	− 4	8·9	19·67	−2·90	17	−2·1	4·64
UPPER BURMA																				
Minbu ...	29·610	+·010	S 34 E	1·8	80·4	77·3	88·7	−1·6	92·5	76·0	−0·7	73·4	86	+ 1	5·7	6·39	+0·19	12	+2·4	1·56
Yamethin ...	29·150	+·021	S 12 E	3·6	79·0	75·7	89·5	−1·1	95·2	74·7	0	72·3	86	− 1	6·4	11·27	+4·11	8	−2·6	3·53
Mandalay (c) ...	29·536	+·013	S 24 E	(d) 2·5	81·4	77·4	91·3	−1·8	95·8	77·4	+0·3	72·2	83	+ 1	5·3	8·67	+2·93	10	+1·4	2·65
Monywa ...	29·515	+·025	S 34 E	1·8	80·1	77·0	90·5	−1·6	96·0	77·5	−0·3	72·4	87	+ 1	3·6	9·35	+3·48	11	+3·1	2·55
Lashio ...	27·014	0	S 56 W	2·1	73·1	70·3	82·9	−0·8	87·2	68·5	+0·5	65·3	87	− 4	7·2	5·17	−2·67	14	+·03	1·31
Bhamo ...	29·293	+·004	N 4 E	1·6	78·7	76·2	89·8	+0·1	94·3	74·7	+0·6	70·8	89	− 3	8·2	7·12	−2·77	10	−2·9	1·31
Myitkyina ...	29·322	+·046	N 45 E	1·8	77·1	75·1	89·3	+0·7	95·4	74·3	−0·4	67·6	90	− 1	8·8	12·07	+2·39	10	−2·6	2·16
ASSAM																				
Dibrugarh ...	29·425	+·023	N 52 E	1·2	78·6	76·0	86·8	+0·3	94·7	73·2	−1·5	68·8	89	− 3	6·1	10·39	−1·79	14	−0·3	2·23
Sibsagar ...	29·461	+·031	N 31 E	1·5	79·2	76·9	88·3	−0·7	95·3	75·4	−0·8	70·5	90	− 3	9·1	9·11	−2·59	12	−2·6	1·80
Tezpur ...	29·528	+·037	N 45 E	1·1	78·8	76·7	89·4	+0·8	94·7	75·5	−1·0	72·0	90	− 1	7·9	10·19	+2·51	10	−2·1	2·88
Gauhati ...	29·588	+·037	N 63 E	0·8	80·8	77·0	89·9	+0·4	96·2	75·8	−0·5	72·6	95	− 2	6·2	3·65	−3·17	7	−3·3	1·47
Dhubri ...	(e) 29·661	+·042	S 75 E	2·5	80·6	77·7	86·9	+1·4	95·1	76·5	−0·7	72·0	87	− 4	6·6	8·52	−5·95	10	−2·8	3·73
Silchar ...	29·691	+·035	(c) S 63 E	(c) 1·4	79·1	77·1	88·3	−1·5	93·7	75·5	−0·7	71·3	91	+ 1	9·2	14·05	−0·36	19	+3·7	3·37
BENGAL																				
Cox's Bazar ...	29·732	+·023	S	2·6	81·0	78·3	85·5	−1·2	87·9	76·0	+0·5	73·8	88	− 2	5·6	22·69	+7·29	15	+0·4	4·61
Chittagong ...	29·688	+·032	(c) S 62 E	(h) 5·5	80·5	77·2	86·5	−0·4	90·8	75·7	−0·6	72·0	86	− 3	7·6	16·10	+4·17	17	+4·2	2·80
Narayanganj ...	29·734	+·033	S 16 E	2·7	81·9	78·9	88·6	+0·2	93·0	78·4	−0·3	74·4	87	0	7·9	13·55	+2·92	9	−3·0	4·02
Barisal ...	29·732	+·030	S 22 E	1·8	82·8	79·1	88·1	+0·1	93·1	77·8	−0·2	73·5	84	− 4	6·8	16·97	−0·18	14	−0·7	2·58
Jessore ...	29·723	+·042	S 27 E	1·5	80·7	79·1	89·7	+0·5	94·8	76·0	−2·3	72·7	92	+ 4	7·3	9·94	+1·39	16	+4·2	1·65
Calcutta ...	29·719	+·041	S 39 E	1·9	82·0	79·4	89·7	+1·5	92·3	78·4	+0·3	72·2	89	+ 2	6·5	10·69	+0·82	10	−3·2	2·75
Saugor Island ...	29·716	+·034	S 32 E	6·6	83·2	79·1	86·9	−1·2	91·2	79·0	−0·5	75·9	83	− 4	7·9	7·87	−2·89	14	+1·9	1·98
Burdwan ...	29·655	+·053	S 36 E	1·3	81·7	78·9	91·4	+1·7	96·6	77·2	−0·8	73·9	88	+ 1	6·4	4·93	−3·67	9	−2·3	1·54
Berhampore ...	29·691	+·051	S 20 E	2·2	83·7	80·1	92·0	+3·0	97·4	77·5	−1·1	74·5	85	− 4	5·1	5·49	−4·63	9	−3·0	1·23
Mymensingh ...	29·711	+·040	S 86 E	1·6	80·8	78·1	87·4	−0·3	93·7	77·0	−0·8	71·1	88	− 2	8·2	12·45	−1·29	13	−2·0	4·93
Bogra ...	29·690	+·035	S 85 E	1·0	82·5	79·7	92·1	+3·5	95·2	77·2	−0·4	74·1	88	0	6·1	11·43	−0·24	9	−3·8	3·21
Dinajpur ...	29·618	+·028	N 84 E	1·2	82·5	78·7	90·4	+1·8	94·8	77·7	−0·1	74·5	83	− 6	5·8	7·74	−4·56	6	−6·5	3·04
Jalpaiguri ...	29·476	+·021	N 45 W	1·1	79·1	77·2	90·0	+2·1	95·2	75·1	−0·6	69·9	92	+ 1	5·0	21·29	+1·35	15	−0·7	6·90
ORISSA																				
Balasore (c) ...	29·681	+·055	S 72 W	(d) 1·9	82·2	79·2	88·9	0	91·8	78·0	+0·2	74·7	87	0	8·6	4·05	−7·67	7	−6·1	1·02
Chandbali ...	29·724	...	N 73 W	2·8	82·5	79·1	88·6	...	91·4	(o) 77·2	...	74·8	85	...	5·2	13·94	...	11	...	2·94
Cuttack ...	29·657	+·052	N 76 W	0·9	81·6	78·5	90·2	+0·1	93·2	77·7	−0·4	74·4	87	+ 4	5·9	10·21	+0·64	14	+1·7	2·90
Sambalpur ...	29·266	+·052	S 31 E	1·3	81·7	77·4	89·9	+1·1	93·0	76·4	−0·6	72·9	82	− 2	6·1	14·80	+6·29	8	−3·3	5·52
CHOTA NAGPUR																				
Chaibasa ...	28·996	+·048	S 14 W	1·7	80·1	76·7	90·0	+0·6	93·1	75·9	+0·1	73·9	87	+ 1	3·1	2·37	−5·68	4	−7·4	1·08
Ranchi ...	27·612	+·055	S 45 W	1·4	76·9	73·5	85·4	+1·3	88·3	71·8	−0·2	67·4	85	+ 1	6·7	4·70	−4·44	7	−4·9	1·47
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·73	−5·45	8	−3·8	1·20

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 27 days. (h) Mean of 24 days. (o) Mean of 17 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H. Dry bulb.	MEAN 8 H. Wet bulb.	MAXIMUM. Mean.	MAXIMUM. Departure from normal.	MAXIMUM. Highest in month.	MINIMUM. Mean.	MINIMUM. Departure from normal.	MINIMUM. Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·619	+·033	S 72 E	1·1	82·0	78·3	90·5	+1·6	95·2	76·3	-1·2	70·8	85	- 5	5·5	10·28	-2·16	9	-2·2	3·52
Darbhanga ...	29·554	+·021	E	2·2	82·9	78·5	90·5	+1·8	95·4	77·3	-1·1	72·2	82	- 4	3·2	4·90	-4·06	6	-2·1	2·12
Patna ...	29·557	+·048	S 76 E	3·1	83·9	79·1	92·2	+2·7	96·3	79·4	+0·6	72·4	80	- 3	4·0	9·28	+0·95	5	-4·2	4·40
Gaya ...	29·349	+·035	S 45 W	1·4	84·3	78·6	94·2	+3·4	98·5	78·8	+1·0	74·6	77	- 4	2·2	3·65	-4·29	7	-2·3	0·90
Naya Dumka ...	29·246	+·041	S 63 E	1·3	81·5	77·7	90·7	+1·7	96·1	76·1	-0·4	71·8	84	- 1	5·4	2·64	-6·92	7	-5·5	0·83
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·475	+·042	N 85 E	1·7	82·0	77·2	93·9	+3·5	98·5	76·7	-0·5	69·9	80	- 4	1·2	2·57	-5·50	3	-5·9	1·58
Benares ...	29·468	+·036	S 56 E	3·7	83·5	78·1	94·3	+3·4	99·8	77·5	+0·4	72·3	78	- 5	3·2	3·94	-3·18	3	-5·7	2·85
Allahabad ...	29·404	+·030	S 11 E	4·2	84·4	77·6	95·6	+4·1	100·0	78·1	+1·2	73·0	73	- 7	2·6	3·24	-2·43	3	-4·7	2·15
Cawnpore ...	29·300	+·031	N 43 W	2·4	84·5	77·4	96·5	+4·4	101·3	77·8	+1·1	74·5	72	- 8	0·8	0·35	-6·49	2	-4·9	0·15
Lucknow ...	29·351	+·037	N 59 E	1·5	83·4	77·3	95·1	+3·3	98·3	77·1	+0·7	73·3	75	- 6	2·9	0·17	-6·90	1	-6·8	0·15
Bahraich ...	29·308	+·034	S 74 E	2·2	82·8	76·6	93·9	+2·8	97·7	74·8	-1·7	68·5	74	- 7	1·5	2·08	-6·64	4	-2·9	1·06
UNITED PROVINCES, WEST																				
Jhansi (c) ...	28·907	+·029	N 89 W	(d) 2·1	84·0	74·3	96·4	+4·6	102·9	75·3	-0·7	72·5	62	-13	1·2	0	-5·92	0	-7·1	0
Agra ...	29·160	+·027	S 85 W	4·4	84·3	76·4	98·8	+5·7	104·0	74·3	-1·3	67·8	69	-11	1·0	0·45	-3·60	1	-4·4	0·45
Mainpuri ...	29·202	+·039	N 69 W	1·9	83·8	75·1	96·8	+4·6	101·4	73·7	-2·3	70·4	66	-12	1·3	1·70	-2·71	2	-3·9	0·92
Bareilly ...	29·160	+·049	N 32 E	2·0	81·4	75·2	94·7	+3·9	98·4	75·6	-0·1	67·5	74	- 8	1·5	3·38	-4·09	3	-3·6	2·48
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·19	-5·88	1	-4·0	0·13
Roorkee ...	28·813	+·022	S 62 E	2·3	80·3	74·2	93·1	+2·5	97·6	73·3	+0·2	67·9	74	- 7	3·1	4·27	-2·00	2	-3·7	2·87
Dehra Dun ...	27·514	+·020	N 41 E	1·2	74·2	69·7	87·4	+2·8	92·8	69·6	-0·3	63·8	79	- 4	3·0	5·44	-4·28	4	-6·7	2·51
PUNJAB, EAST AND NORTH																				
Delhi ...	29·009	+·042	S 73 W	2·2	81·6	72·0	96·6	+3·6	100·5	78·8	+1·7	73·3	62	- 9	0·9	0·14	-4·64	0	-4·5	0·07
Hissar ...	28·991	+·034	S 77 W	4·1	82·8	71·0	99·6	+1·7	103·0	(c) 74·6	-1·1	70·8	54	-12	0·2	0·47	-1·89	2	-1·0	0·30
Ambala ...	28·816	+·026	S 39 E	2·6	81·0	73·4	97·4	+3·9	101·3	75·1	+1·4	70·4	68	-11	1·2	0·17	-4·43	1	-3·6	0·13
Ludhiana ...	28·900	+·029	S 23 W	1·5	83·8	73·4	99·7	+5·4	102·9	75·5	+0·3	71·4	59	-15	0·7	0·22	-4·02	1	-2·9	0·22
Lahore ...	28·988	+·018	S 1 E	1·1	82·9	75·3	98·5	+0·6	102·0	75·7	+1·9	70·0	69	- 1	0·1	0·38	-1·98	1	-1·6	0·38
Sialkot ...	28·871	+·022	N 84 E	1·3	82·4	73·8	98·3	+3·4	101·8	75·8	+2·0	72·5	65	- 8	0·2	0	-3·37	0	-3·6	0
Rawalpindi ...	28·048	+·016	N 86 E	1·7	82·6	71·5	95·5	+2·1	99·3	71·2	+2·1	66·3	56	-13	1·2	0·40	-3·06	2	-2·4	0·26
PUNJAB, SOUTHWEST																				
Khushab ...	29·072	+·008	N 76 E	4·3	85·6	74·5	98·1	-0·7	102·0	78·6	+2·5	75·2	58	- 3	0·2	0	-1·31	0	-2·0	0
Lyallpur ...	29·081	+·026	S 14 W	1·5	82·7	72·4	99·4	+1·9	102·5	75·2	+0·8	71·1	59	- 7	0·5	0	-2·00	0	-2·6	0
Montgomery ...	29·121	+·013	S 18 W	2·4	83·0	74·6	99·7	-0·2	102·5	75·5	-0·3	70·2	66	+ 9	0·1	0	-1·53	0	-1·8	0
Multan ...	29·258	+·032	S 5 E	3·1	84·2	76·6	100·5	+0·1	105·2	76·5	-1·2	70·7	70	+ 5	0·1	0	-0·41	0	-0·7	0
Bahawalpur ...	29·306	...	S 24 W	4·6	83·7	75·0	101·4	...	103·9	75·1	...	67·2	65	...	0·1	0·04	...	0	...	0·04
Khanpur ...	29·410	...	S 53 W	1·4	82·2	74·5	101·7	...	105·1	74·5	...	68·3	69	...	0	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·841	+·030	S 13 E	2·0	62·0	58·6	84·2	+4·6	91·0	54·3	+0·1	43·9	82	- 1	1·0	1·25	-0·35	4	+0·2	0·39
Gulmarg ...	21·884	+·043	S 32 W	2·1	57·5	53·0	64·4	+0·7	72·7	42·5	-0·4	38·6	77	+ 1	1·0	1·10	-1·67	2	-3·6	0·65
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·02	-2·45	3	-4·5	0·24
Dras ...	20·824	+·043	Calm	5·6	49·1	42·9	68·7	-0·5	73·1	41·1	+1·0	26·1	63	0	1·2	0·07	-0·84	0	-1·6	0·04
Leh ...	19·741	+·035	S 22 E	3·0	49·9	40·3	68·7	-1·4	74·6	40·9	-0·8	32·0	46	- 4	3·2	0	-0·26	0	-0·7	0
Skardu ...	22·829	+·022	W	0·9	60·2	54·6	78·8	+0·6	86·6	51·5	-2·3	45·8	71	+14	0·3	0·07	-0·65	0	-1·2	0·04
Gilgit ...	25·073	+·038	Calm	0·3	64·7	58·1	82·3	-5·0	87·0	60·8	-2·8	57·8	67	+15	2·0	0·02	-0·35	0	-1·2	0·01
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·550	+·011	N 10 W	1·3	82·3	71·3	97·5	+2·7	101·5	74·0	+2·6	68·8	57	- 9	0·4	0	-0·81	0	-1·6	0
Dera Ismail Khan ...	23·098	+·013	N 73 E	1·5	84·5	76·1	99·4	-0·2	102·3	75·3	0	72·2	67	- 2	0	0	-0·55	0	-0·9	0
BALUCHISTAN																				
Fort Sandeman ...	25·333	+·045	W	1·2	70·2	58·4	92·9	+0·3	96·7	64·6	-0·6	60·6	49	- 5	0	0	-0·64	0	-1·4	0
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-1·17	0	-2·3	0
Quetta ...	24·368	+·055	S 10 E	2·0	58·3	47·8	89·3	+3·5	93·8	52·9	-1·0	44·3	44	- 5	0	0	-0·07	0	-0·2	0
Chaman ...	25·594	+·002	S 29 E	4·1	73·7	52·9	92·4	+1·8	97·0	66·4	+3·7	61·6	19	-17	0	0	0	0	0	0
Kalat ...	23·729	+·031	S 15 E	4·5	56·1	48·1	83·0	-1·5	87·0	46·4	+4·7	38·7	56	+12	0	0	-0·05	0	-0·1	0
Dalbandin ...	26·998	+·023	Calm	2·8	70·3	53·2	102·2	+2·7	106·7	62·5	+0·9	54·3	27	- 3	0	0	0	0	0	0
Mirjawa ...	27·044	...	N 64 W	7·0	70·2	55·2	99·6	...	103·9	67·2	...	61·5	35	...	0	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·522	+·049	S 26 E	3·2	82·8	76·1	101·1	−2·5	107·5	75·8	−0·7	71·3	72	+ 2	0	0	−0·21	0	−0·4	0
Hyderabad ...	29·628	+·039	S 27 W	6·2	81·0	73·8	94·3	−2·9	104·2	74·9	−1·3	71·6	70	+ 1	0·4	0	−0·60	0	−0·8	0
Karachi ...	29·751	+·033	S 88 W	8·3	79·0	74·6	85·3	−0·4	101·0	75·6	−0·9	72·1	81	− 1	4·0	0	−0·42	0	−0·6	0
RAJPUTANA, WEST																				
Bikaner ...	28·287	+·068	S 68 W	6·7	85·1	71·6	99·0	+0·8	104·0	(c) 75·3	−2·3	72·5	56	− 9	0·6	0·34	−1·13	2	−0·2	0·21
Jodhpur ...	28·980	+·038	S 48 W	1·7	81·2	72·1	96·4	+1·6	105·1	74·1	−1·4	70·0	63	− 5	1·2	0·14	−2·32	1	−1·8	0·14
RAJPUTANA, EAST																				
Jaipur ...	28·361	+·066	N 42 W	2·1	82·2	71·6	95·3	+1·4	101·1	73·0	−0·6	68·8	59	−10	0·6	2·88	−0·53	2	−2·9	1·93
Ajmer ...	28·190	+·066	S 71 W	3·5	80·6	70·1	91·7	+1·4	98·6	72·3	−2·2	66·5	59	−16	1·4	1·26	−1·41	2	−1·9	0·83
Kotah ...	28·916	+·043	N 65 W	2·5	85·0	74·4	95·6	+3·0	102·6	75·1	−1·9	71·2	59	− 8	1·3	1·56	−2·85	2	−3·5	1·37
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·49	−2·37	3	−2·2	0·74
GUJARAT																				
Deesa ...	29·317	+·031	N 48 W	4·8	82·5	73·8	96·3	+2·9	106·0	72·4	−1·7	68·3	66	−11	2·7	0	−3·54	0	−3·7	0
Bhuj ...	29·428	+·017	N 84 W	5·1	79·5	73·7	92·8	+0·8	102·8	73·9	−0·8	69·9	75	− 3	3·0	0	−1·88	0	−2·2	0
Dwarka ...	29·758	+·027	N 83 W	7·0	79·8	75·5	85·5	0	103·3	76·7	−1·0	74·2	82	− 1	4·9	0·30	−0·76	1	−0·9	0·30
Rajkot ...	29·350	+·021	N 84 W	5·9	80·0	74·1	94·5	+2·8	103·0	72·5	+0·2	69·0	75	− 5	4·2	0·75	−3·03	4	−1·0	0·27
Veraval ...	29·792	+·025	N 53 W	(d) 6·9	80·0	76·8	85·2	+1·7	97·1	77·2	+0·7	73·5	86	0	4·6	1·63	−0·68	1	−2·9	1·52
Surat ...	29·768	+·024	S 64 W	2·7	82·1	76·5	91·7	+3·0	100·5	76·8	+1·1	73·3	77	− 5	5·9	1·52	−4·37	2	−5·1	1·34
Bhavnagar ...	29·735	+·014	N 63 W	3·6	82·8	75·2	95·0	+2·0	103·4	71·9	−0·2	72·1	69	−10	5·3	0·13	−3·20	1	−4·6	0·13
Ahmadabad ...	29·635	+·031	N 54 W	4·8	81·3	74·3	95·0	+2·1	103·4	75·3	−0·8	72·2	71	− 7	1·6	0·34	−3·39	2	−2·5	0·18
CENTRAL INDIA, WEST																				
Neemuch ...	28·167	+·048	N 63 W	3·9	79·8	71·5	90·2	+2·1	97·5	70·6	−0·4	67·6	68	−12	2·4	5·35	+0·50	5	−1·4	3·70
Indore ...	27·967	+·033	N 45 W	2·8	76·7	70·8	87·4	+2·0	94·0	69·0	−1·1	66·5	74	−10	4·7	3·92	−2·61	5	−3·4	1·38
Bhopal ...	28·114	...	N 65 W	(d) 2·2	79·3	72·7	...	...	...	71·9	...	68·4	73	...	1·2	7·28	...	6	...	2·60
CENTRAL INDIA, EAST																				
Nowgong ...	28·982	+·043	N 59 W	1·2	79·2	75·2	97·2	+7·3	103·0	73·3	−1·6	70·0	82	0	1·8	1·58	−4·35	2	−5·1	0·91
Sutna ...	28·689	+·048	S 72 W	2·0	83·0	75·3	93·0	+5·2	97·3	73·8	−0·9	70·2	69	−13	1·8	1·32	−5·49	4	−4·8	0·42
BERAR																				
Akola ...	28·841	+·022	N 76 W	2·4	78·5	73·3	91·7	+2·2	101·3	73·8	+1·0	71·0	77	− 1	5·4	3·31	−2·38	9	+1·1	1·07
Amraoti ...	28·555	+·034	N 80 W	4·3	79·1	73·8	89·1	+0·8	98·0	73·1	+0·9	70·9	78	− 3	5·1	5·99	−0·22	8	−0·2	1·68
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·720	+·020	N 87 W	4·2	79·0	73·4	90·8	+2·5	99·2	72·1	−1·0	69·5	76	− 5	4·5	3·22	−2·75	4	−3·3	1·77
Hoshangabad ...	28·771	+·017	S 75 W	0·5	79·0	73·6	91·6	+4·1	98·7	72·5	−0·5	69·4	78	− 7	4·2	5·48	−2·90	7	−2·4	1·46
Saugor ...	27·953	+·043	N 88 W	2·9	78·0	71·6	89·4	+2·9	94·2	70·0	−1·5	65·4	73	− 8	2·4	3·33	−3·61	5	−4·2	1·50
Jubbulpore ...	28·405	+·030	S 53 W	1·2	78·5	74·3	89·5	+2·3	94·9	72·6	−0·2	70·7	82	− 2	3·5	5·11	−2·56	6	−3·7	1·40
Seoni ...	27·732	+·034	N 9 W	2·2	78·4	72·2	86·9	+1·8	93·6	70·5	+0·2	67·3	74	− 7	4·0	7·02	−2·02	8	−3·3	3·42
Nagpur ...	28·741	+·042	N 53 W	2·9	79·2	73·1	89·6	+0·5	96·7	71·9	−1·9	69·4	74	− 5	5·5	13·58	+5·33	11	+0·2	3·07
CENTRAL PROVINCES, EAST																				
Pendra ...	27·716	+·038	S 81 W	2·2	76·8	73·7	85·7	+1·0	90·8	70·7	−0·5	68·9	86	+ 5	4·5	10·31	+4·15	9	−0·8	3·05
Raipur ...	28·765	+·037	E	0·6	80·7	76·8	89·9	+1·9	94·5	75·3	+0·4	72·7	84	0	5·5	7·96	+0·53	10	−0·2	2·80
Kanker (c) ...	28·441	...	N 73 W	(d) 2·0	79·7	71·8	87·1	...	91·7	72·9	...	70·5	80	...	5·1	7·09	...	11	...	1·50
Chanda ...	29·116	+·021	S 83 W	2·4	79·6	76·6	89·0	0	94·1	74·5	+0·1	72·4	87	+ 5	3·9	9·83	+0·55	15	+4·4	1·37
Jagdalpur ...	27·933	+·016	S 34 W	1·8	76·4	73·6	86·4	+1·1	91·2	71·3	−0·1	67·2	87	+ 1	7·6	10·07	−1·01	14	+0·1	2·47
KONKAN																				
Bombay ...	29·772	+·003	E	6·4	79·6	76·5	87·1	+1·8	94·8	76·4	+0·9	73·3	86	− 1	5·5	5·58	−4·92	8	−4·7	1·89
Ratnagiri ...	29·591	−·016	N 46 E	5·0	78·3	75·6	83·4	−0·7	87·0	73·8	−0·9	71·6	88	+ 2	4·3	8·27	−3·81	14	−0·9	2·65
Marmagao ...	29·742	−·031	S 65 W	5·7	...	...	...	...	...	...	...	...	...	...	8·0	5·57	−3·90	11	−4·1	1·10
Karwar ...	29·776	−·013	N 57 W	1·9	76·9	75·0	83·5	+0·7	88·1	73·2	−0·9	70·9	91	+ 1	7·0	8·16	−3·87	17	+1·5	1·99
BOMBAY DECCAN																				
Malegaon ...	28·365	+·025	W	3·1	79·3	72·0	90·6	+1·9	96·7	69·8	−0·4	63·5	70	− 6	6·0	2·90	−2·99	6	−1·6	1·01
Ahmadnagar ...	...	...	N 57 W	3·8	75·7	69·9	87·8	+1·6	94·4	67·9	0	60·6	75	− 3	5·7	5·70	−0·66	6	−2·5	3·51
Poona ...	27·975	+·023	N 69 W	3·4	75·9	71·0	87·6	+3·0	94·6	68·3	−0·3	63·2	77	− 5	6·0	6·69	+1·85	6	−1·5	3·68
Mahableshwar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18·84	...	22	...	2·60
Sholapur ...	28·226	+·012	N 16 W	6·6	77·0	71·8	89·9	+2·7	95·2	71·5	+0·7	68·4	76	− 1	5·9	6·68	−1·30	9	0	1·85
Bijapur ...	27·869	+·018	N 47 W	4·7	76·3	72·0	89·0	+2·0	93·7	70·4	+0·6	67·0	81	+ 1	5·7	9·78	+3·64	11	+2·1	3·50
Belgaum ...	27·274	+·004	S 53 E	3·1	70·4	68·3	81·9	+2·6	89·7	67·1	+1·6	63·1	90	0	6·8	9·17	+4·29	10	+0·6	2·56
HYDERABAD, NORTH																				
Aurangabad ...	27·900	+·009	N 50 W	6·5	75·8	69·9	87·1	+0·5	92·9	70·1	+1·1	66·0	75	− 2	6·1	5·38	−1·15	9	+0·4	1·61
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·65	−2·79	9	−2·0	1·51
Nizamabad ...	28·510	+·018	W	2·1	76·7	73·4	88·3	+0·7	93·8	72·5	−0·1	69·1	85	+ 5	4·1	13·84	+4·72	10	+0·2	9·90

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·283	+·009	N 39 W	7·4	77·9	71·9	89·5	+1·0	95·9	72·8	+1·4	69·4	75	− 4	5·1	7·18	−0·30	10	−0·7	1·54
Raichur ...	28·480	+·007	N 84 W	5·9	78·9	73·1	92·7	+3·8	97·6	73·1	+0·6	69·9	76	− 1	2·6	3·03	−4·16	6	−4·8	1·89
Hyderabad ...	28·071	+·024	S 70 W	3·0	76·4	72·7	86·9	+0·5	94·7	72·3	0	69·2	83	+ 2	6·4	8·89	+1·85	12	+2·7	2·65
Hanamkonda ...	28·878	+·019	S 47 W	4·1	80·0	75·2	88·2	−0·4	94·2	74·3	−0·6	71·4	80	+ 4	6·1	6·61	−0·22	7	−1·7	2·05
MYSORE																				
Chitaldrug ...	27·423	−·003	S 59 W	5·8	73·1	69·2	86·8	+2·9	93·5	69·4	+1·8	65·5	81	− 1	7·3	5·30	+0·83	8	+0·3	1·50
Bangalore ...	26·849	+·005	N 80 W	5·5	72·1	67·9	85·6	+3·3	91·3	66·5	+0·9	62·4	81	− 4	8·3	6·05	−0·93	10	+0·6	1·94
Mysore ...	27·330	−·013	S 45 W	5·3	71·4	68·1	84·7	+0·5	90·5	66·6	+0·1	63·4	84	+ 3	6·4	8·00	+3·02	8	−0·7	2·55
MALABAR																				
Mangalore ...	29·756	−·022	N 81 E	4·1	77·7	75·0	83·7	−0·6	88·6	73·9	−0·2	71·5	88	+ 1	7·8	15·67	+5·25	18	+2·7	2·35
Calicut ...	29·819	−·005	N 13 W	4·3	78·5	75·1	86·7	+2·9	91·9	74·6	+0·1	73·0	85	− 5	8·9	8·60	+0·87	12	+0·6	3·30
Cochin ...	29·835	−·017	N 67 E	4·6	79·6	76·2	83·1	−1·9	86·5	74·8	+0·2	71·8	85	0	6·2	15·57	+6·59	16	+2·6	3·16
Trivandrum ...	29·623	−·032	N 10 W	6·5	77·7	74·7	83·3	+0·2	87·0	75·2	+0·2	73·6	87	+ 4	6·0	9·92	+5·78	10	+2·3	2·65
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·53	+3·23	7	+5·1	1·23
Pamban ...	29·754	−·012	S 10 W	5·9	81·9	75·7	87·4	−1·9	89·8	78·6	+0·2	74·5	78	0	3·6	3·86	+2·66	4	+1·9	1·05
Madura ...	29·333	−·005	N 52 W	3·2	81·6	74·5	95·9	+1·0	101·4	76·2	+0·7	70·4	71	+ 2	6·3	4·51	−0·60	12	+3·3	0·90
Negapatam ...	29·765	+·004	S 77 W	4·6	81·8	76·4	91·0	−1·6	96·6	77·5	+0·7	71·6	78	+ 2	5·6	5·63	+1·86	8	+1·8	1·58
Trichinopoly ...	29·545	−·002	S 61 W	4·8	81·9	74·2	94·7	−0·5	104·6	75·5	−0·3	70·4	69	− 2	5·0	8·27	+3·44	10	+3·6	3·25
Coimbatore ...	29·472	−·002	S 21 W	2·6	76·5	72·5	87·9	−1·2	93·1	70·9	+0·1	68·1	82	− 1	4·7	3·54	+2·03	8	+4·6	1·26
Salem ...	28·885	−·006	S 54 W	4·0	78·9	74·6	93·4	+1·9	100·1	74·0	+1·5	71·0	81	+ 1	4·7	4·27	−2·32	4	−5·0	1·32
Cuddalore ...	29·761	+·017	S 57 W	3·9	81·8	75·9	91·2	−1·0	98·1	76·6	+0·2	72·4	76	− 3	5·9	5·89	−0·17	5	−2·0	3·75
Vellore ...	29·075	+·001	S 84 W	4·1	80·6	73·2	93·5	+1·5	100·8	75·9	+0·6	70·4	70	− 6	4·5	5·80	−1·47	7	−1·8	2·04
Madras ...	29·746	−·005	S 69 W	5·7	82·7	76·0	92·8	−0·3	100·7	77·7	+0·5	72·8	74	− 4	6·2	7·36	+2·37	10	+2·9	3·18
MADRAS, DECCAN																				
Cuddapah ...	29·360	+·004	N 68 W	4·0	81·5	74·4	93·4	−0·1	99·6	76·7	+0·6	71·3	71	− 3	7·5	8·84	+2·57	12	+3·3	2·18
Bellary ...	28·312	−·007	N 70 W	5·2	77·1	72·0	99·0	−0·7	95·6	73·0	+0·1	68·2	78	+ 8	5·1	8·10	+3·02	11	+3·3	1·30
Kurnool ...	28·845	−·006	N 82 W	5·7	79·3	72·7	92·0	+2·1	95·3	74·6	+0·8	71·1	72	− 6	6·5	7·73	+1·55	9	−0·6	1·56
MADRAS COAST, NORTH																				
Nellore ...	29·711	+·022	S 61 W	4·0	82·3	75·4	91·5	−0·3	102·3	79·1	+1·4	75·2	73	− 1	6·2	6·88	+2·13	10	+3·6	2·66
Masulipatam ...	29·752	+·021	N 74 W	3·8	81·5	77·9	85·0	−1·8	95·3	77·5	0	73·6	85	+ 2	5·1	7·11	+0·94	12	+2·6	2·18
Cocanada ...	29·728	+·029	N 43 W	3·5	81·8	77·7	88·9	−1·0	95·5	77·6	−0·8	74·2	83	0	6·0	7·07	+1·32	10	+1·6	1·03
Vizagapatam ...	29·703	+·031	N 68 W	4·3	82·7	78·3	87·6	−0·8	91·7	78·9	+0·8	75·2	82	+ 3	6·6	5·98	−0·54	7	−1·5	1·98
Calingapatam ...	29·724	+·042	N 62 W	3·4	82·4	79·0	88·7	−1·4	93·0	78·6	+0·2	76·5	86	+ 1	5·0	2·65	−3·14	5	−4·1	1·00
Gopalpur ...	29·663	+·045	N 6 W	4·7	83·8	80·0	88·9	+0·5	91·7	78·6	+0·1	75·4	84	− 1	6·8	3·78	−3·75	7	−2·6	1·50
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·356	+·017	S 59 E	1·4	71·6	68·7	78·6	+1·2	82·6	64·7	0	60·2	86	− 5	6·6	8·07	−2·10	18	+2·7	1·81
Shillong ...	25·082	+·035	N 70 E	1·5	67·3	64·0	73·7	−0·7	79·3	60·6	−1·1	56·8	84	0	7·5	12·77	+2·04	18	+0·4	2·64
Cherrapunji ...	25·618	+·012	S 84 E	4·1	68·0	65·5	72·9	−0·5	80·9	64·0	−0·3	61·0	88	− 2	8·3	39·31	+1·33	18	−0·9	11·19
Darjiling ...	22·922	+·014	N 45 E	1·7	59·3	57·7	65·6	+0·2	71·3	55·5	−0·4	52·6	92	− 1	6·7	11·97	−6·41	15	−2·2	6·61
Mukteswar ...	22·835	+·039	S 84 W	5·0	59·1	56·4	66·6	−1·8	70·9	55·9	+1·1	50·6	85	+ 2	5·1	2·87	−4·69	8	−1·4	0·69
Mussooree (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·22	−12·34	4	−9·1	2·78
Chakrata ...	23·378	+·070	E	5·1	63·1	58·7	69·3	+0·2	72·3	57·3	+0·3	52·4	78	− 5	3·4	2·13	−4·77	6	−2·3	0·69
Simla ...	23·093	+·036	N 18 E	1·7	61·5	56·8	68·6	+2·8	72·7	56·4	−0·2	49·9	76	− 1	4·4	3·62	−2·58	8	−0·9	1·26
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·78	...	3	...	1·52
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·57	...	2	...	0·90
Murree ...	23·998 (d)	+·069	S 45 E	3·5	67·0	59·8	72·3	−0·6	75·0	61·4	+2·8	50·8	66	− 1	2·1	1·60	−4·01	3	−4·1	0·86
Cherat ...	25·649	+·034	N 33 W	4·4	73·5	64·9	84·6	+0·3	90·1	68·0	+2·4	64·8	63	+ 4	0·1	0	−2·16	0	−3·0	0
Parachinar ...	24·405	+·027	E	2·1	71·7	59·8	82·8	+1·7	87·0	59·5	+0·8	55·7	50	− 3	0·2	1·16	−1·04	4	−0·7	0·40
Drosh ...	...	...	Calm	2·6	66·8	61·8	88·5	−0·1	96·6	64·8	+0·1	57·2	75	+23	0·7	0·09	−0·54	0	−1·7	0·09
Mount Abu ...	25·954	+·054	S 51 W	3·2	73·8	64·6	78·4	+3·2	87·8	65·3	+0·5	60·9	64	−15	3·8	1·03	−7·93	3	−4·8	0·63
Pachmarhi ...	26·363	+·052	N 14 W	2·3	72·5	67·5	80·5	+3·0	86·8	64·7	−1·5	61·3	78	− 6	7·2	10·04	−3·77	10	−3·0	2·89
Mercara ...	26·139	+·002	N 86 W	4·3	65·5	64·1	72·5	+0·6	80·0	61·4	−0·2	57·5	93	− 1	7·7	12·56	+1·74	22	+3·9	1·83
Kodaikanal ...	22·752	+·005	N 61 W	6·3	57·7	54·0	65·3	+1·5	70·6	52·3	+0·1	49·8	80	0	5·0	8·57	+1·32	16	+3·3	2·20
Coonoor ...	24·407	...	S 35 E	3·3	64·7	59·6	70·6	...	74·0	56·1	...	49·9	75	...	6·5	8·59	...	14	...	2·75
CEYLON																				
Colombo ...	29·820	−·018	S 38 W	4·0	77·3	74·9	85·9	−0·3	87·1	76·3	−0·4	73·0	89	+ 5	8·5	9·18	+4·30	12	+3·6	1·91

(a) Reports only rainfall. (d) Mean of 28 days.

MONTHLY WEATHER REPORT

FOR

October 1929

Supplement to the Indian Daily Weather Report for the 22nd November 1929

Published by order of the Governor-General in Council

Summary.—Rainfall was normal or in excess throughout the country except in Upper Burma, the east United Provinces, the southwest Punjab, Gujarat, south Hyderabad, Mysore and southeast Madras, where it was in slight to moderate defect. The deficiency was large in Baluchistan, Rajputana and the central parts of the country. The northeast monsoon was established in the south Bay of Bengal, by the end of the month. Two depressions travelled from the Bay of Bengal, and affected the north Madras, Orissa and Ganjam coasts. Rainfall was locally heavy in the neighbourhood of the tracks of these depressions and extended into the United Provinces and northeast India.

1. The month began with active monsoon in northeast India and a strengthening of it in south Madras marked by heavy falls of 6″ at Mangalore and 4″ at Trichinopoly on that day. A depression appeared in the Bay of Bengal with centre on the 3rd morning near Lat. 14° N and Long. 84° E. It intensified into a storm in the course of the day and moving in a northwesterly direction, crossed the coast near Cocanada on the 4th morning and then weakened rapidly. The depression caused some heavy falls on the north Madras coast on the 3rd, and under its influence the monsoon became active in northeast India and south Madras and extended into the United Provinces. Rainfall was widespread and locally heavy in northeast India till the 8th and it occasionally extended into the United Provinces. Scattered thundershowers occurred along the submontane western Himalayas during the first week in Burma and the south of the Peninsula during the second week. Some noteworthy falls that occurred during the first half of the month were 5″ at Gopalpur on the 3rd, 6″ at Karwar on the 5th, 13″ at Darjiling and 10″ at Dinajpur in 48 hours ending at 8 hrs. on the 8th, 6″ at Bogra and 4″ at Purnea and Cochin on the 7th.

2. A shallow low pressure area appeared over the central Bay of Bengal on the 14th and developed into a depression centred on the 17th morning near Lat. 17° N and Long. 85° E. Moving northwards, it weakened while approaching the Orissa Ganjam coast and then lay as a low pressure area over Orissa and the east Central Provinces on the 19th morning. Rainfall in connection with this disturbance was widespread and locally heavy on the north Madras coast between the 16th and 18th and extended into northeast India on the 17th where it continued during the next three days. Gopalpur had 8″ and Calingapatam 5″ on the 16th, Saugor Island 5″ on the 17th, Sambalpur 4″ on the 18th, Darjiling 18″ in 48 hours ending at 8 hrs. on the 20th, and Jalpaiguri and Purnea 6″ each on the 19th. Thundershowers were frequent in Burma, Kashmir and south Madras during the second half of the month. Rainfall was extensive in south Madras in the last week and occasionally extended into the south Deccan and the north Madras coast on several days. The northeast monsoon was established in the south Bay of Bengal by the 30th. Some heavy falls in the last week were 3″ at Coonoor on the 23rd and 24th and at Pamban on the 26th and 4″ at Madras on the 29th.

3. The total rainfall of the month was normal in Lower Burma, the east Central Provinces and the Bombay and Madras Deccans; and in slight defect in Upper Burma, Mysore and southeast Madras. It was in moderate to large defect in the east United Provinces, the southwest Punjab, Baluchistan, Rajputana, Gujarat, Central India, Berar, the west Central Provinces and south Hyderabad. In the remaining sub-divisions rainfall was in moderate to large excess, the excess being very marked in Bihar and Orissa, Kashmir and the Konkan. Averaged over the plains of India, the rainfall of the month was in defect by 19 per cent.

4. Maximum temperature was markedly low in Assam between the 5th and 8th, in Orissa and Chota Nagpur between the 4th and 6th, in Bihar on six days commencing from the 4th, in Kashmir on several days in the month and continuously for a week ending with the 28th, and

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in the Madras Deccan during the first eight days. Day temperature was high in east Central India between the 13th and 17th and again from the 22nd to the end of the month. Night temperature was considerably lower than usual in Chota Nagpur between the 22nd and 25th, in east Central India on almost all days after the 20th, and in the Central Provinces, the Konkan and Hyderabad between the 22nd and 24th. Mean maximum temperature was lower than usual in the Bay Islands, Chota Nagpur, Bihar, the southwest Punjab, Kashmir and the Madras Deccan and higher in east Central India and Berar. Mean minimum temperature was above normal in Baluchistan and below it in east Central India.

Summary of the Local Conditions

Burma, including the Bay Islands.—The rainfall of the month was normal in Lower Burma, in moderate defect in Upper Burma and in moderate excess in the Bay Islands. Skies were clouded to the usual extent in the division and maximum temperature was below normal in the Bay Islands.

Northeast India, including Orissa.—The excess in the total rainfall of the month was moderate in Assam and large in the rest of the division. Skies were more clouded than usual in Assam, Bihar and Orissa. Humidity was in excess in Chota Nagpur. Maximum temperature was below normal in Bihar and Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The rainfall of the month was normal in the east Central Provinces, in moderate excess in the west United Provinces, in moderate defect in the east United Provinces and in large defect elsewhere. Skies were more clouded than usual in the United Provinces and less in west Central India and the west Central Provinces. Humidity was in defect in the west United Provinces, west Central India and the west Central Provinces and in excess in the east Central Provinces. Maximum temperature was above normal in east Central India and Berar and the minimum below it in east Central India alone.

Northwest India.—The rainfall of the month was in moderate excess in the east and north Punjab and in large excess in Kashmir and the North-West Frontier Province. It was normal in Sind, in moderate defect in the southwest Punjab and Gujarat and in large defect in the remaining sub-divisions. Skies were more clouded than usual in the east and north Punjab, Kashmir, the North-West Frontier Province and Sind, and less in Rajputana. Humidity was in defect in the east and north Punjab and east Rajputana, and in excess in Kashmir. Maximum temperature was below normal in the southwest Punjab and Kashmir, and the minimum above it in Baluchistan.

The Peninsula.—Total rainfall of the month was normal in the Bombay and Madras Deccans, in slight to moderate defect in southeast Madras, Mysore and south Hyderabad and in moderate to large excess elsewhere. Humidity was in excess and maximum temperature below normal in the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:

The 22nd November 1929.

C. W. B. NORMAND,

Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	7·73	7·98	−0·25	− 3	+0·8	−0·4	− 3	0
Assam ...	6·49	4·85	+1·64	+ 34	−1·0	0	− 1	+1·9
Bengal ...	9·07	5·42	+3·65	+ 67	0	−0·6	− 1	+0·3
Bihar and Orissa ...	9·76	3·65	+6·11	+167	−2·3	−1·0	+ 3	+1·7
United Provinces ...	1·40	1·42	−0·02	− 1	−0·4	−0·5	− 1	+0·7
Punjab ...	0·43	0·32	+0·11	+ 34	−1·5	+0·8	− 2	0
North-West Frontier Province.	0·23	0·13	+0·10	+ 77	−1·7	0	− 3	+0·9
Sind ...	0·02	0·02	0	0	−1·4	+1·8	+ 4	+0·3
Rajputana ...	0	0·41	−0·41	−100	+0·1	−0·7	− 6	−0·8
Bombay ...	3·01	2·20	+0·81	+ 37	+0·1	−0·1	− 2	+0·3
Central India ...	0·15	1·21	−1·06	− 88	+2·3	−1·9	− 6	−0·3
Central Provinces ...	1·40	2·05	−0·65	− 32	+0·7	−1·0	− 2	−0·3
Hyderabad ...	2·25	2·39	−0·14	− 6	−0·3	−1·1	− 1	−0·4
Mysore ...	4·16	5·56	−1·40	− 25	+0·4	+0·6	+ 1	+0·1
Madras ...	9·03	7·99	+1·04	+ 13	−0·9	+0·2	+ 1	+0·5
Mean of India ...	4·18	3·52	+0·66	+ 19	−0·2	−0·3	− 2	+0·2

	Sub-division.	Rainfall.				Departure from normal of			
		Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
		"	"	"		°	°	%	
1.	Bay Islands ...	16·26	11·07	+ 5·19	+ 47	−2·0	−1·3	− 4	+0·1
2.	Lower Burma ...	10·78	9·99	+ 0·79	+ 8	+0·5	−0·7	− 3	+0·8
3.	Upper Burma ...	3·81	5·11	− 1·30	− 25	+1·2	+0·1	− 3	−1·0
4.	Assam ...	6·49	4·85	+ 1·64	+ 34	−1·0	0	− 1	+1·9
5.	Bengal ...	9·07	5·42	+ 3·65	+ 67	0	−0·6	− 1	+0·3
6.	Orissa ...	10·55	5·31	+ 5·24	+ 99	−1·8	−1·0	+ 2	+1·2
7.	Chota Nagpur ...	7·13	2·97	+ 4·16	+140	−2·1	−1·1	+ 5	+2·0
8.	Bihar ...	10·87	2·73	+ 8·14	+298	−2·8	−1·0	+ 4	+1·9
9.	United Provinces, East ...	1·50	2·02	− 0·52	− 26	−1·3	−0·1	+ 4	+0·9
10.	Do. do. West ...	1·31	0·90	+ 0·41	+ 46	+0·5	−0·8	− 7	+0·4
11.	Punjab, East and North ...	0·63	0·42	+ 0·21	+ 50	−1·1	+0·9	− 5	+0·2
12.	Do. Southwest ...	0·07	0·15	− 0·08	− 53	−2·1	+0·7	+ 2	−0·1
13.	Kashmir ...	2·24	0·77	+ 1·47	+191	−5·8	+0·3	+ 9	+1·7
14.	North-West Frontier Province ...	0·23	0·13	+ 0·10	+ 77	−1·7	0	− 3	+0·9
15.	Baluchistan ...	0·01	0·11	− 0·10	− 91	−1·6	+2·0	− 2	−0·1
16.	Sind ...	0·02	0·02	0	0	−1·4	+1·8	+ 4	+0·3
17.	Rajputana, West ...	0	0·31	− 0·31	−100	−1·1	−0·8	− 1	−0·7
18.	Do. East ...	0	0·47	− 0·47	−100	+0·8	−0·6	− 9	−0·8
19.	Gujarat ...	0·46	0·70	− 0·24	− 34	+0·2	+0·3	− 4	+0·3
20.	Central India, West ...	0	0·85	− 0·85	−100	+0·9	−1·9	− 9	−0·5
21.	Do. do. East ...	0·29	1·57	− 1·28	− 82	+3·7	−2·0	− 3	−0·1
22.	Berar ...	0·28	1·89	− 1·61	− 85	+2·1	−0·2	− 1	−0·9
23.	Central Provinces, West ...	0·60	1·56	− 0·96	− 62	+1·3	−1·0	− 7	−0·4
24.	Do. do. East ...	3·17	2·85	+ 0·32	+ 11	−0·8	−1·3	+ 5	+0·1
25.	Konkan ...	8·32	3·82	+ 4·50	+118	+0·2	−0·2	− 1	−0·3
26.	Bombay Deccan ...	2·88	3·11	− 0·23	− 7	0	−0·7	− 1	+0·5
27.	Hyderabad, North ...	2·42	1·67	+ 0·75	+ 45	+0·1	−0·7	− 2	+0·1
28.	Do. South ...	2·12	2·93	− 0·81	− 28	−0·5	−1·3	− 1	−0·7
29.	Mysore ...	4·16	5·56	− 1·40	− 25	+0·4	+0·6	+ 1	+0·1
30.	Malabar ...	14·43	10·37	+ 4·06	+ 39	−0·3	+0·1	+ 1	+0·9
31.	Madras, Southeast ...	6·54	8·33	− 1·79	− 21	−0·1	+0·6	− 1	+0·3
32.	Do. Deccan ...	4·47	4·14	+ 0·33	+ 8	−2·5	+0·3	+ 5	+0·5
33.	Do. Coast North ...	11·84	7·75	+ 4·09	+ 53	−1·8	−0·5	+ 1	+0·3

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·801	+·011	N 54 W	5·1	79·0	75·4	84·4	-2·0	88·0	75·6	-1·3	71·5	84	- 4	6·3	16·26	+5·19	19	+3·3	2·62
LOWER BURMA																				
Victoria Point ...	29·742	+·016	N 74 E	4·7	77·5	75·0	82·7	-1·4	88·6	73·9	-0·4	70·6	89	+ 2	6·6	35·63	+17·65	20	+1·5	5·63
Mergui ...	29·818	+·013	...	...	77·1	75·2	85·6	-1·0	91·7	70·8	-1·9	68·8	91	+ 1	7·6	16·89	+4·71	17	+0·8	2·93
Tavoy ...	29·867	+·011	N 67 E	1·8	78·2	74·9	88·4	+0·8	90·2	70·7	-3·2	66·0	86	- 3	6·1	15·89	+5·23	14	+1·6	3·56
Amherst ...	29·814	...	S 75 E	3·8	80·3	76·0	87·6	...	92·1	74·9	...	72·9	81	...	5·8	5·92	...	8	...	3·55
Rangoon ...	29·863	+·011	N 80 E	2·2	80·1	76·7	88·5	+0·9	91·7	75·6	-0·2	72·9	85	- 5	6·7	5·79	-1·12	9	-1·0	1·97
Bassein ...	29·856	+·019	N 65 E	1·1	80·4	77·0	88·7	+1·3	92·2	74·7	-0·9	72·2	85	- 7	6·6	8·55	+0·37	11	-1·4	2·10
Diamond Island ...	29·816	+·003	N 56 E	1·8	81·6	77·5	86·0	-0·2	90·3	77·4	+0·2	74·0	84	0	6·6	6·21	-2·33	13	+2·0	1·46
Gwa ...	29·861	...	S 48 E	2·7	80·2	76·7	(b) 85·4	...	89·4	73·6	...	69·3	85	...	2·8	3·99	...	6	...	1·25
Toungoo ...	29·704	-·007	...	...	79·9	75·9	91·2	+1·4	93·5	74·5	+0·1	71·7	82	- 7	4·6	2·45	-4·98	7	-3·2	1·17
Kyaukpyu ...	29·846	+·014	N 85 E	1·0	82·2	77·9	87·9	+1·5	91·3	76·9	+0·6	72·3	82	- 4	4·6	4·30	-4·21	9	-2·2	1·04
Akyab ...	29·853	+·017	N 15 E	(k) 6·4	79·6	76·3	88·1	+0·8	92·7	75·2	-1·0	66·9	86	- 5	7·0	1·36	-9·55	4	-5·3	0·39
UPPER BURMA																				
Minbu ...	29·709	+·008	S 75 W	0·6	79·3	75·4	90·3	+0·2	93·5	74·3	-0·8	69·8	82	- 2	3·7	6·36	+1·85	8	+1·7	2·44
Yamethin ...	29·240	+·019	S 13 E	2·1	79·6	75·4	91·7	+1·1	95·2	73·4	-0·4	67·9	81	- 6	5·0	2·88	-2·67	6	-1·9	1·15
Mandalay ...	29·637	+·016	S 37 E	0·8	80·3	76·5	93·0	+1·0	96·0	75·8	+1·1	71·3	83	+ 1	3·2	4·78	+0·06	4	-2·6	3·12
Monywa ...	29·626	+·024	N 19 W	1·0	78·8	75·8	91·6	+1·3	95·4	74·7	-0·5	69·8	87	0	5·5	4·26	+0·10	5	-1·0	1·92
Lashio ...	27·115	+·002	N 15 E	1·7	69·9	67·8	82·7	+0·5	85·6	64·1	+0·2	58·1	89	- 4	4·3	5·10	-0·61	7	-2·7	1·31
Bhamo ...	29·505	+·001	N 25 E	1·4	77·2	73·3	89·2	+1·5	93·8	70·2	+0·6	62·6	93	- 7	3·9	2·23	-2·03	3	-3·7	1·46
Myitkyina ...	29·437	+·035	N 31 E	2·1	75·4	72·2	88·8	+3·1	93·2	70·8	+0·8	63·8	85	- 3	4·8	1·07	-5·76	4	-4·1	0·31
ASSAM																				
Dibrugarh ...	29·560	+·018	N 36 E	1·0	74·1	71·7	82·4	-1·7	91·1	69·1	-0·7	61·8	88	- 1	6·3	4·11	-1·69	10	+1·8	1·07
Sibsagar ...	29·592	+·024	N 21 E	0·7	74·4	72·8	84·2	+0·1	92·6	71·3	+0·7	63·9	93	- 2	9·2	6·31	+1·21	10	+2·3	2·38
Tezpur ...	29·661	+·026	N 41 E	1·3	75·2	72·6	85·1	-0·7	93·0	71·5	+0·4	65·7	88	- 1	7·3	3·81	-0·45	9	+2·8	1·42
Gauhati ...	29·724	+·024	N 51 E	0·5	74·6	72·6	85·0	-1·9	91·0	71·2	+0·4	64·9	90	+ 2	6·9	3·02	+0·23	5	+0·9	1·33
Dhubri ...	29·785	+·021	N 89 E	4·7	75·0	72·7	81·6	-2·9	89·2	71·7	-1·0	67·4	89	+ 1	6·3	16·79	+12·07	10	+5·3	2·82
Silchar ...	29·806	+·026	(b) S 73 E	...	78·1	74·5	89·7	+1·1	95·7	72·6	+0·3	62·1	84	- 5	6·1	5·02	-1·53	9	+1·4	1·30
BENGAL																				
Cox's Bazar ...	29·827	+·016	Calm	1·6	81·5	76·7	88·2	+1·0	90·7	73·1	-0·4	64·2	79	- 9	2·2	1·51	-5·95	3	-5·2	0·73
Chittagong ...	29·790	+·017	N 72 E	4·3	80·1	75·4	89·1	+2·4	93·5	73·4	+0·1	65·0	79	-10	3·0	1·60	-5·28	5	-1·9	0·45
Narayanganj ...	29·855	+·026	S 56 E	1·5	80·4	76·4	89·1	+1·2	93·5	75·2	-0·1	67·6	89	- 3	3·5	4·88	-0·19	7	+1·2	1·11
Barisal ...	29·848	+·012	S 63 E	1·2	80·8	76·4	88·3	+0·9	93·1	74·6	0	67·1	81	- 3	3·5	4·33	-1·42	9	+2·3	1·03
Jessore ...	29·846	+·019	S 56 E	1·5	77·5	75·7	88·5	+0·1	93·7	71·2	-3·1	61·6	91	+ 8	4·0	1·74	-3·15	7	+1·2	0·42
Calcutta ...	29·839	+·007	S 51 E	2·1	78·2	75·9	87·3	-0·1	92·2	74·7	+0·2	67·9	90	+ 5	3·5	11·51	+7·32	10	+4·0	3·16
Saugor Island ...	29·834	-·002	N 79 E	6·5	81·1	76·6	85·8	-1·3	90·2	75·6	-0·7	68·8	81	- 4	5·1	12·74	+4·60	12	+4·5	5·04
Burdwan ...	29·781	+·022	S 39 E	1·7	79·4	75·6	87·9	-1·0	92·0	73·7	-0·8	66·3	84	+ 3	5·3	8·16	+4·73	12	+7·7	1·45
Berhampore ...	29·817	+·023	S 76 E	2·0	80·3	76·2	88·4	+0·6	93·6	72·8	-1·6	62·7	83	- 1	4·5	5·37	+1·17	10	+5·3	1·12
Mymensingh ...	29·836	+·032	S 84 E	1·3	78·8	75·6	87·4	+0·5	92·1	73·4	-0·5	65·1	86	- 1	4·8	8·86	+3·06	11	+5·3	1·43
Bogra ...	29·819	+·021	S 61 E	1·0	79·3	76·4	(c) 89·0	+1·7	93·0	72·6	-0·3	64·1	87	+ 2	4·4	13·14	+8·18	11	+5·7	6·46
Dinajpur ...	29·749	+·010	N 66 E	1·3	77·2	73·9	84·4	-3·0	92·8	71·3	-0·6	61·0	85	- 1	4·2	22·41	+18·16	12	+7·8	6·18
Jalpaiguri ...	29·618	+·029	N 72 E	0·6	74·0	72·3	84·0	-2·6	92·5	69·8	-0·6	63·9	92	+ 5	4·9	21·10	+16·20	14	+9·2	5·60
ORISSA																				
Balasore ...	29·798	+·015	N 34 W	3·0	76·2	74·6	86·4	-2·2	90·2	72·9	-0·4	61·0	84	0	5·8	12·97	+6·92	11	+5·1	3·07
Chandbali ...	29·836	...	S 45 E	1·7	78·2	75·4	86·1	...	90·6	73·9	...	67·0	87	...	3·4	15·70	...	13	...	3·45
Cuttack ...	29·769	+·007	N 79 E	0·7	77·0	74·1	87·9	-2·0	93·6	73·2	-1·5	66·1	87	+ 6	3·9	9·79	+4·59	11	+4·8	1·58
Sambalpur ...	29·372	-·001	(b) N 68 E	1·2	77·8	72·8	87·6	-1·2	91·3	70·5	-1·0	62·0	78	0	4·2	8·90	+6·90	6	+2·6	3·66
CHOTA NAGPUR																				
Chaibasa ...	29·109	0	S 14 W	1·7	74·3	71·5	86·9	-2·1	92·6	69·5	-0·3	59·0	87	+ 6	5·4	5·26	+2·32	9	+5·0	2·00
Ranchi ...	27·706	+·002	S 27 W	2·2	72·5	67·2	81·2	-2·2	85·1	65·3	-1·3	58·1	76	+ 5	5·0	8·24	+5·40	11	+6·6	2·98
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·88	+4·76	9	+4·7	2·03

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (k) Mean of 21 days. (n) Mean of 18 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·751	+·008	N 82 E	1·4	76·4	73·5	84·3	-3·2	92·0	69·8	-1·4	62·0	87	-2	4·4	16·44	+13·59	7	+3·6	6·22
Darbhanga ...	29·692	-·003	S 72 E	2·4	76·4	72·6	84·6	-2·6	91·0	70·5	-2·0	62·5	83	0	4·0	9·42	+7·03	8	+5·3	2·99
Patna (b) ...	29·686	+·004	S 63 E	(c) 3·2	76·5	72·2	85·1	-3·3	92·9	71·7	-1·1	63·8	81	+7	4·6	6·71	+4·17	9	+5·9	1·26
Gaya ...	29·476	-·009	S 7 W	1·4	76·6	71·8	87·6	-2·4	92·5	71·3	+0·1	63·6	79	+6	3·2	6·50	+4·43	12	+9·1	1·10
Naya Dumka	29·371	+·006	S 45 E	1·5	76·3	73·1	85·7	-2·3	91·1	70·1	-0·7	59·6	85	+7	5·2	15·27	+11·49	14	+9·5	3·13
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·615	+·019	N 71 E	1·3	75·5	71·2	88·1	-0·7	94·2	68·1	-1·4	57·0	80	+2	2·0	1·78	-1·67	3	+0·6	0·73
Benares ...	29·597	-·008	S 38 E	2·9	75·0	70·5	88·1	-2·4	93·9	68·4	+0·5	57·1	79	+6	3·7	0·49	-1·89	2	-0·3	0·16
Allahabad ...	29·537	-·009	N 79 W	3·1	76·4	70·5	89·4	-1·7	93·8	68·1	+0·6	57·6	73	+6	2·7	1·84	-0·48	3	+1·1	1·24
Cawnpore ...	29·437	-·001	S 87 W	1·3	76·3	68·7	92·0	+0·3	95·8	67·3	+0·7	58·6	67	+2	1·4	0·75	-0·52	1	-0·5	0·71
Lucknow ...	29·493	+·008	E	1·1	74·8	69·7	89·9	-1·5	93·0	66·7	+0·6	57·0	77	+7	2·4	2·66	+1·48	2	+0·3	2·47
Bahraich ...	29·443	+·004	S 78 E	1·9	75·7	70·5	89·0	-1·6	96·2	66·7	-1·5	58·1	76	+1	1·9	1·47	-0·07	4	+2·4	0·87
UNITED PROVINCES, WEST																				
Jhansi (b) ...	29·035	-·010	S 81 W	1·8	78·7	64·8	94·8	+1·5	97·6	67·6	-1·8	58·0	44	-11	1·2	0	-0·87	0	-1·0	0
Agra ...	29·297	-·007	S 84 W	2·4	75·9	62·5	94·5	+1·6	101·0	64·5	+1·8	55·0	43	-18	0·1	0·25	-0·51	1	+0·2	0·15
Mainpuri ...	29·341	+·009	N 47 W	1·5	76·2	65·5	93·4	+0·5	96·9	61·9	-3·5	52·1	54	-11	1·6	1·01	-0·12	2	+1·0	0·51
Bareilly ...	29·298	+·020	N 68 E	1·4	72·1	67·2	89·7	0	94·0	65·7	+0·4	57·0	77	+2	1·6	2·68	+1·49	3	+2·2	1·67
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	-0·11	2	+1·4	0·23
Roorkee ...	28·950	-·004	S 49 E	1·7	70·8	64·0	87·7	-0·9	92·6	61·0	-0·2	51·2	67	-7	1·2	1·12	+0·42	2	+1·2	0·82
Dehra Dun ...	28·623	-·015	N 33 E	1·6	64·2	59·0	83·2	+0·5	86·7	58·9	-1·7	52·2	72	+4	2·6	3·67	+2·60	5	+3·6	1·51
PUNJAB, EAST AND NORTH																				
Delhi ...	29·118	-·015	S 43 W	2·4	73·7	62·5	90·9	-0·7	97·4	70·5	+2·1	64·3	50	-4	0·8	0·04	-0·28	0	-0·5	0·04
Hissar ...	29·128	+·002	S 49 W	3·1	73·2	60·9	94·8	-0·9	102·3	63·7	+0·3	55·1	45	-8	0·3	0	-0·31	0	-0·5	0
Ambala ...	28·957	+·003	S 45 E	2·5	72·0	62·5	92·0	-0·1	95·8	63·0	+1·6	52·7	56	-12	1·2	1·43	+0·68	3	+2·3	0·83
Ludhiana ...	29·039	+·001	N 47 E	1·6	72·4	62·0	93·0	+1·2	100·9	63·6	-0·1	54·0	52	-9	0·7	0·53	+0·05	1	+0·3	0·53
Lahore ...	29·153	+·011	N 52 E	1·1	69·9	63·4	91·6	-2·9	100·0	62·7	+1·9	55·0	68	+6	0·9	0·05	-0·20	0	-0·6	0·05
Sialkot ...	29·036	+·016	N 47 E	1·3	70·8	62·1	90·2	-1·7	98·5	62·0	-0·1	51·0	63	-2	0·8	1·30	+1·00	2	+1·3	1·08
Rawalpindi ...	28·198	+·004	N 34 E	1·4	67·2	58·4	86·1	-2·7	96·5	56·9	+0·3	48·0	55	-4	1·8	1·07	+0·56	2	+0·9	0·65
PUNJAB, SOUTHWEST																				
Khushab ...	29·247	+·001	N 64 E	4·3	73·6	61·6	91·2	-2·8	98·8	64·5	+1·2	54·2	47	+1	0·5	0·25	+0·08	1	+0·6	0·19
Lyallpur ...	29·257	+·023	S 84 E	1·2	71·3	61·4	91·7	-1·4	101·2	62·2	+0·8	55·3	54	-7	1·5	0	-0·34	0	-0·6	0
Montgomery ...	29·283	-·006	S 58 E	2·0	72·4	63·2	92·5	-3·3	102·1	63·2	-0·2	54·1	57	+13	0·1	0	-0·06	0	-0·2	0
Multan ...	29·454	+·039	S 81 E	1·3	75·5	65·5	95·2	-0·7	105·6	66·6	+1·0	59·5	56	0	0·2	0·04	-0·01	0	-0·2	0·04
Bahawalpur ...	29·476	...	S 4 W	1·9	74·0	64·0	94·9	...	104·0	62·3	...	53·4	55	...	0·3	0	...	0	...	0
Khanpur ...	29·565	...	Calm	0·4	74·6	65·3	95·9	...	105·3	64·5	...	54·7	58	...	0·3	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·975	+·028	S 13 E	2·0	49·1	47·6	66·6	-3·8	82·2	43·7	+2·6	35·1	90	+7	5·0	3·45	+2·36	5	+2·4	2·03
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·48	+4·27	9	+4·0	2·32
Dras ...	29·867	+·017	Calm	2·4	34·0	...	50·4	-6·0	68·0	30·5	+3·1	22·8	(t) 78	...	3·1	2·70	+1·98	5	+3·4	1·47
Leh ...	19·748	-·010	S	2·7	38·2	(n) 33·8	49·5	-9·4	67·8	30·2	-0·3	22·4	(n) 52	+6	0·6	0·08	-0·09	0	-0·2	0·08
Skardu ...	22·947	+·018	S	1·1	46·7	(b) 42·3	62·8	-3·5	77·4	39·5	-1·8	31·8	(b) 69	+9	3·5	0·31	+0·14	1	+0·6	0·15
Gilgit ...	25·310	+·106	Calm	0·3	54·3	48·4	69·2	-6·1	83·8	50·5	-2·1	44·0	65	+15	5·3	0·43	+0·15	2	+1·3	0·27
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·726	+·003	S 45 W	1·2	69·0	58·3	87·8	-0·1	97·7	60·0	-0·3	54·1	50	-12	2·8	0·12	-0·04	1	+0·6	0·12
Dera Ismail Khan ...	29·283	+·010	N 11 E	1·5	71·7	64·3	90·1	-3·4	99·2	61·8	+0·3	51·5	65	+5	0·5	0·35	+0·26	1	+0·8	0·30
BALUCHISTAN																				
Fort Sandeman ...	25·443	+·015	S 11 E	1·2	57·3	45·4	80·0	-3·6	91·1	53·0	+1·0	46·4	36	-3	0·1	0	-0·23	0	-0·5	0
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	-0·19	0	-0·9	0·04
Quetta ...	24·762	+·022	S 20 E	3·8	48·1	(b) 38·3	75·5	+1·0	88·4	43·1	+0·5	34·2	(b) 36	-12	0·3	0	-0·13	0	-0·3	0
Chaman ...	25·725	-·028	S 45 E	3·6	58·7	45·4	77·5	-2·2	91·8	53·9	+1·9	44·6	29	-11	0·6	0	-0·11	0	-0·3	0
Kalat ...	23·795	-·007	S 7 E	5·4	43·0	(f) 38·5	70·3	-3·6	82·0	36·1	+3·7	26·7	(f) 59	+16	0·7	0	-0·12	0	-0·3	0
Dalbandin ...	27·171	+·021	N 53 E	2·3	58·5	46·3	89·1	+0·5	103·6	53·1	+3·0	39·7	34	-2	0·4	0	-0·04	0	-0·1	0
Mirjawa ...	27·212	...	N 62 W	6·2	58·2	48·1	85·4	...	99·4	55·9	...	44·3	44	...	0·3	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (f) Mean of 26 days. (n) Mean of 18 days. (t) Mean of 12 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·693	+·028	S 76 E	2·0	77·0	66·8	97·5	-1·6	109·1	67·5	+3·8	58·3	57	+ 2	0·3	0·05	+0·01	0	-0·1	0·05
Hyderabad ...	29·772	+·010	S 41 W	3·2	78·8	69·0	96·3	-1·5	103·3	70·3	+0·1	61·5	59	+ 1	0·4	0	-0·02	0	0	0
Karachi ...	29·876	+·006	N 38 W	6·5	78·4	73·8	86·5	-1·1	90·9	75·1	+1·6	67·9	80	+ 8	2·8	0	-0·01	0	0	0
RAJPUTANA, WEST																				
Bikaner ...	29·112	+·026	S 51 W	2·0	76·7	61·9	94·1	-1·9	103·0	70·3	-0·7	62·0	38	-10	0·3	0	-0·26	0	-0·5	0
Jodhpur ...	29·036	+·003	N 11 W	1·4	75·2	63·9	95·8	-0·2	103·0	57·1	-0·9	63·0	50	+ 7	0·4	0	-0·36	0	-0·4	0
RAJPUTANA, EAST																				
Jaipur ...	28·470	+·029	N 5 W	1·6	78·9	64·0	94·1	-0·4	101·2	66·4	+1·3	57·8	42	- 7	0·2	0	-0·32	0	-0·6	0
Ajmer ...	28·295	+·023	S 84 W	2·2	75·9	62·9	92·3	+0·6	98·1	63·0	-1·8	53·6	47	-13	0·4	0	-0·33	0	-0·7	0
Kotah ...	29·029	-·002	N 75 W	1·7	82·1	66·7	97·1	+2·2	102·6	69·5	-1·2	61·9	41	- 6	0·8	0	-0·56	0	-0·8	0
Jhalrapatan ...	28·792	...	N 9 E	(b) 1·3	74·3	69·5	93·2	...	98·0	61·2	...	55·0	77	...	0·6	0·21	...	1	...	0·21
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·66	0	-1·0	0
GUJARAT																				
Deesa ...	29·422	+·007	N 36 E	5·3	82·0	66·7	98·9	+1·4	101·0	64·8	-2·1	55·9	43	-10	1·7	0	-0·41	0	-0·5	0
Bhuj ...	29·543	+·001	N 50 W	5·0	78·4	(b) 72·8	94·7	-1·3	100·2	69·4	-1·2	61·9	(b) 76	+13	1·0	0·99	+0·55	3	+2·6	0·43
Dwarka ...	29·862	+·012	N 27 W	9·5	81·5	74·3	87·4	+0·2	93·7	76·7	+0·7	63·5	70	- 8	2·9	0	-0·36	0	-0·3	0
Rajkot ...	29·445	+·001	N 38 W	4·1	79·3	68·8	96·2	+0·6	101·1	69·3	+1·0	60·0	58	- 7	3·9	0·90	+0·25	1	-0·2	0·90
Veraval ...	29·874	+·018	N 7 W	6·0	79·8	71·4	89·2	+0·5	98·1	74·9	+2·1	69·0	65	- 4	2·0	0·27	-0·38	1	+0·3	0·17
Surat ...	29·849	+·003	N 72 E	1·6	80·0	72·2	93·4	-0·3	97·2	72·8	+1·3	67·4	67	- 4	2·7	1·19	-0·56	2	-0·1	0·89
Bhavnagar ...	29·827	+·001	N 34 W	2·8	81·4	68·9	96·5	+0·3	100·8	71·1	+0·7	61·9	51	-11	3·2	0·31	-0·44	1	+0·2	0·25
Ahmadabad ...	29·729	+·008	N 1 E	4·4	80·2	69·2	97·4	+0·1	101·4	72·4	0	65·4	55	- 1	1·0	0	-0·59	0	-0·9	0
CENTRAL INDIA, WEST																				
Neemuch ...	28·273	+·010	N 57 E	3·0	79·0	65·8	92·0	+0·9	96·7	63·6	-0·9	51·7	48	- 4	0·6	0	-0·54	0	-0·9	0
Indore ...	28·062	-·004	N 18 E	1·7	75·9	63·1	89·8	+0·8	92·0	61·2	-2·8	54·0	46	-15	1·6	0	-1·15	0	-2·0	0
Bhopal ...	28·220	...	N 24 W	2·2	77·5	64·4	(p) 89·8	...	91·7	64·5	...	55·4	47	...	0	0·09	...	0	...	0·09
CENTRAL INDIA, EAST																				
Nowgong ...	29·106	+·002	N 45 W	1·2	(b) 72·8	66·7	95·2	+5·1	99·0	63·7	-1·5	54·0	(b) 72	+ 3	1·7	0·01	-1·03	0	-1·5	0·01
Sutna ...	28·805	-·004	S 67 W	(b) 1·6	76·0	67·1	90·3	+2·2	94·7	63·5	-2·5	53·0	61	- 8	2·4	0·58	-1·52	2	-0·2	0·38
BERAR																				
Akola ...	28·942	+·001	N 32 W	1·2	76·5	66·7	95·2	+3·2	98·0	67·3	+0·3	59·0	57	- 3	2·4	0·39	-1·48	2	-0·5	0·19
Amraoti ...	28·655	+·002	N 9 E	2·7	78·4	69·0	92·0	+1·0	94·0	68·3	-0·7	60·0	60	+ 2	1·7	0·17	-1·75	1	-1·6	0·13
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·824	-·004	S 80 E	2·9	76·6	67·7	94·7	+2·6	96·2	65·3	-1·1	55·0	60	- 2	2·1	0	-1·23	0	-2·0	0
Hoshangabad ...	28·878	+·005	N 81 E	1·1	74·3	64·5	93·6	+3·8	95·5	64·1	-2·2	55·0	55	-16	1·1	0	-1·32	0	-2·1	0
Saugor ...	28·063	0	S 75 W	2·7	76·1	62·8	88·8	+0·5	92·0	64·6	-1·8	58·4	46	- 9	1·1	0	-1·02	0	-1·8	0
Jubbulpore ...	28·515	-·016	S 17 E	1·3	72·1	66·0	88·5	+0·8	90·9	64·0	-0·2	54·5	71	- 3	1·5	0·24	-1·67	1	-1·2	0·20
Seoni ...	27·831	-·014	N 1 E	2·3	75·4	65·0	86·5	-0·2	90·2	63·9	-0·3	56·4	56	- 6	2·2	0·86	-1·03	1	-1·9	0·85
Nagpur ...	28·848	+·004	N 19 E	2·3	75·7	66·3	90·9	+0·3	95·0	67·8	-0·5	60·0	59	- 5	3·2	2·48	+0·38	1	-2·0	2·29
CENTRAL PROVINCES, EAST																				
Pendra ...	27·825	0	N 25 W	2·0	71·8	67·2	82·8	-2·1	87·4	63·6	-1·4	56·0	78	+13	3·3	4·19	+1·33	6	+2·5	0·95
Raipur ...	28·877	-·004	N 41 E	1·3	76·5	70·9	88·6	+0·2	91·0	63·6	-1·1	60·0	76	+ 3	2·7	4·93	+2·82	5	+1·7	3·18
Kanker ...	28·542	...	N 13 E	2·3	74·4	69·0	86·0	...	89·1	65·3	...	53·8	75	...	2·9	4·62	...	8	...	1·35
Chanda ...	29·221	-·005	N 45 W	1·4	75·9	70·6	89·9	+0·2	92·7	67·8	+0·4	59·1	75	+ 1	1·9	0·18	-1·55	0	-2·7	0·09
Jagdalpur ...	28·619	-·024	N 9 W	1·7	71·5	68·3	84·2	-1·2	88·2	64·8	-2·2	56·8	84	+ 5	4·3	3·[illegible]	-1·34	3	-3·3	1·69
KONKAN																				
Bombay ...	29·846	+·013	N 61 E	5·1	79·5	75·6	88·9	+0·2	91·6	75·9	+0·5	72·1	83	+ 1	3·2	4·82	+2·66	5	+2·2	1·88
Ratnagiri ...	29·651	-·003	N 59 E	5·3	80·8	74·0	87·6	-0·5	96·6	73·9	-0·4	70·0	72	- 5	1·9	5·24	+1·52	6	+1·0	1·55
Marmagao ...	29·801	-·006	N 47 W	5·1	...	...	...	...	...	...	...	...	...	...	4·9	7·32	+3·54	8	+1·7	3·39
Karwar ...	29·832	+·011	N 62 W	1·5	76·4	74·5	86·5	+1·0	91·3	72·9	-0·8	67·3	91	+ 2	6·1	15·89	+10·26	9	+1·9	5·74
BOMBAY DECCAN																				
Malegaon ...	28·453	+·004	N 79 W	3·1	78·0	66·7	95·8	+2·0	96·9	64·9	-1·2	56·6	54	- 6	4·3	0·04	-1·87	0	-2·7	0·03
Ahmadnagar ...	...	...	N 26 W	2·9	75·6	65·3	87·5	-1·5	91·5	63·3	-2·2	55·1	57	- 4	3·5	2·08	+0·05	2	-1·3	1·57
Poona ...	28·047	-·011	S 84 W	1·7	73·1	67·5	89·0	-0·1	93·0	65·8	-0·7	57·0	75	+ 2	3·7	3·49	-0·25	3	-2·2	1·55
Mahabaleshwar (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sholapur ...	28·301	+·007	N 51 E	4·7	77·5	68·0	89·9	+0·7	94·1	68·0	-0·7	60·4	61	0	4·0	2·68	-0·55	6	+1·7	1·33
Bijapur ...	27·944	+·023	N 34 W	2·7	76·0	68·9	87·0	-1·8	91·8	68·5	0	60·2	70	0	4·0	6·50	+3·43	6	+1·4	2·60
Belgaum ...	27·337	+·013	N 69 W	2·4	70·8	66·8	83·9	+0·6	89·7	66·2	+0·9	60·7	83	+ 4	5·0	2·50	-2·17	4	-3·6	0·93
HYDERABAD, NORTH																				
Aurangabad ...	27·985	-·009	N 70 E	4·4	77·1	65·3	89·1	-1·2	92·1	67·0	+0·2	58·8	52	- 3	4·7	1·57	+0·01	2	-0·5	1·00
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·53	+3·67	4	+1·3	3·50
Nizamabad ...	28·599	-·007	N 67 W	1·8	74·8	68·1	91·0	+1·5	93·6	66·7	-1·5	58·1	70	- 1	2·0	0·15	-1·44	0	-2·6	0·06

(a) Reports only rainfall. (b) Mean of 30 days. (p) Mean of 16 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H. Dry bulb.	MEAN 8 H. Wet bulb.	MAXIMUM. Mean.	MAXIMUM. Departure from normal.	MAXIMUM. Highest in month.	MINIMUM. Mean.	MINIMUM. Departure from normal.	MINIMUM. Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·363	+·003	N 16 E	5·5	77·9	68·4	89·4	-1·6	93·9	63·4	-0·8	61·6	63	-4	3·2	2·77	-0·24	3	-0·9	1·60
Raichur ...	28·551	+·009	S 25 W	4·1	78·3	71·4	89·5	-0·7	93·6	71·2	-1·1	67·0	71	+3	1·0	2·16	-1·28	4	-0·1	0·90
Hyderabad ...	28·151	+·010	S 33 W	2·1	76·2	69·5	89·4	+1·0	93·6	69·0	-0·4	63·3	71	-2	4·1	0·83	-2·42	4	-0·5	0·40
Hanamkonda ...	28·971	-·003	N 35 W	3·1	78·0	70·9	89·1	-0·9	92·5	68·8	-2·8	61·1	69	0	3·5	2·71	+0·69	4	+0·4	1·87
MYSORE																				
Chitaldrug ...	27·479	+·007	S 38 W	4·8	73·7	68·9	85·9	+1·0	89·5	68·7	+0·8	63·3	78	+2	4·9	3·03	-1·20	6	-0·6	1·26
Bangalore ...	26·924	-·029	N 66 W	4·6	71·3	67·5	82·5	+0·4	86·5	65·9	+0·7	62·0	82	0	7·6	5·48	-0·42	8	-0·9	1·62
Mysore ...	27·380	+·005	S 57 W	4·8	72·1	68·3	84·1	-0·2	87·4	67·0	+0·2	62·0	82	0	6·3	3·56	-2·50	6	-2·9	1·12
MALABAR																				
Mangalore ...	29·037	+·012	S 87 E	4·0	78·4	75·5	85·2	-0·7	90·7	74·3	-0·1	72·0	87	+4	7·5	16·47	+8·94	16	+5·8	6·50
Calicut ...	29·653	+·027	N 76 E	3·8	78·5	75·2	88·1	+2·4	92·7	74·8	0	72·6	82	-6	8·0	7·39	-2·83	11	-0·3	1·65
Cochin ...	29·879	+·019	N 70 E	4·1	79·4	75·9	84·1	-2·1	87·1	75·2	+0·1	71·4	85	+2	6·3	23·35	+10·13	16	+1·8	4·26
Trivandrum ...	29·663	+·031	N 20 W	5·0	77·7	74·9	82·3	-0·7	85·0	75·0	+0·1	73·1	87	+2	5·8	10·53	-0·65	15	+2·8	3·33
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·65	+1·23	9	0	2·11
Pamban ...	29·820	+·011	S 25 W	7·4	81·4	76·6	87·1	-0·8	89·9	78·0	+0·5	72·5	82	0	4·3	9·68	-0·01	8	-1·4	2·66
Madura ...	29·391	+·007	N 53 W	2·8	80·2	74·0	92·1	+1·0	97·1	74·9	+0·7	71·9	72	-1	6·4	6·56	-1·16	10	-0·2	2·80
Negapatam ...	29·829	+·018	N 86 W	4·7	80·9	76·4	88·6	-0·2	92·9	76·6	+0·4	73·1	81	0	6·1	6·20	-4·28	12	+1·9	1·67
Trichinopoly ...	29·606	+·013	N 88 W	2·9	80·9	74·8	91·2	0	97·7	74·2	-0·2	71·5	74	-5	5·3	8·93	+2·03	14	+4·6	3·59
Coimbatore ...	28·527	+·012	S 43 E	2·3	76·5	72·5	86·1	-1·9	90·7	70·9	+0·3	68·2	82	-2	5·1	3·56	-2·85	9	-0·7	0·98
Salem ...	28·947	+·014	S 42 W	3·2	78·0	75·6	90·3	+0·5	94·0	73·3	+1·7	69·8	89	+8	5·3	3·20	-3·54	7	-2·9	0·92
Cuddalore ...	29·827	+·025	S 88 W	3·0	80·5	76·2	88·9	+0·3	94·3	75·5	+0·6	71·4	82	-2	6·3	7·21	-3·79	9	-1·6	2·01
Vellore ...	29·138	+·003	N 74 W	2·5	78·5	73·5	88·7	-0·6	93·2	73·1	+0·3	67·2	79	-3	5·1	5·85	-0·49	8	-0·3	1·99
Madras ...	29·815	-·004	S 78 W	4·8	80·4	76·5	90·0	+0·6	96·9	75·9	+0·7	71·9	83	0	6·1	6·69	-5·03	8	-2·5	3·65
MADRAS, DECCAN																				
Cuddapah ...	29·429	+·011	N 59 W	(b) 1·0	80·3	74·8	89·4	-3·0	94·8	74·8	+0·5	69·4	77	+4	6·4	4·16	-0·88	10	+3·5	1·04
Bellary ...	28·362	+·002	N 74 W	2·4	76·6	71·5	87·5	-2·9	91·4	71·3	+0·1	65·0	78	+10	4·3	5·59	+1·67	7	+0·9	2·09
Kurnool ...	28·918	-·005	N 88 W	3·4	77·3	71·5	89·4	-1·5	92·8	71·7	+0·3	61·1	74	0	4·8	3·76	+0·29	8	+3·1	1·66
MADRAS COAST, NORTH																				
Nellore ...	29·790	+·019	N 67 W	2·6	79·9	76·1	90·1	-1·1	95·3	76·6	+0·9	72·1	81	+3	6·0	6·84	-1·52	9	+1·0	1·91
Masulipatam ...	29·829	-·008	N 36 W	3·8	80·2	76·0	86·9	-2·1	92·4	75·7	-0·2	70·6	81	-2	3·8	4·81	-3·23	5	-3·3	1·50
Cocanada ...	29·810	-·007	N 6 W	5·2	80·0	74·8	87·1	-1·0	95·0	75·1	-1·0	69·0	78	-1	4·9	6·97	-0·88	7	-1·2	2·86
Vizagapatam ...	29·794	-·007	N 51 W	4·2	80·7	74·8	86·0	-2·0	94·2	76·1	-0·3	72·9	75	+1	5·3	10·15	+3·08	10	+2·7	3·02
Calingapatam ...	29·823	+·001	N 35 W	4·9	78·0	75·3	85·5	-3·1	91·0	74·5	-1·3	68·7	83	+3	4·5	16·55	+9·43	11	+4·0	4·76
Gopalpur ...	29·794	+·006	N 6 E	5·8	78·8	75·2	86·6	-1·4	91·8	73·8	-0·9	66·6	84	+2	4·6	25·73	+17·71	19	+5·3	7·65
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·419	+·024	S 68 E	1·1	70·9	67·7	79·9	+3·2	83·2	61·7	+1·2	55·6	85	-6	4·3	5·97	-1·65	8	-3·6	1·56
Shillong ...	25·102	+·019	N 67 E	1·2	65·3	60·4	70·2	-1·2	75·7	54·2	-0·6	44·5	75	-3	5·2	7·73	+0·95	19	0	2·23
Cherrapunji ...	25·705	+·012	S 82 E	3·0	66·9	62·6	72·4	+0·5	78·5	60·6	+0·3	53·6	79	-2	5·7	11·56	-9·70	12	+2·9	4·67
Darjiling ...	22·979	-·026	N 68 E	1·8	53·9	52·3	60·1	-1·6	67·5	50·0	-0·1	43·4	91	+5	6·8	35·95	+31·43	19	+5·4	13·17
Mukteswar ...	22·851	+·009	N 38 W	3·4	54·4	47·7	62·6	-3·5	69·0	50·2	+0·6	43·7	62	+5	3·2	2·61	+1·24	6	+4·2	1·70
Mussoorie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·74	-0·99	3	-0·4	0·94
Chakrata ...	23·436	+·049	N 76 E	5·8	57·8	49·6	66·9	-0·3	73·9	50·1	-0·7	41·5	59	-2	2·2	2·55	+1·59	3	+1·6	2·15
Simla ...	(b) 23·134	-·023	S 81 E	2·2	55·5	46·7	63·7	+1·0	68·0	50·4	-0·9	45·0	53	+5	2·0	1·99	+0·91	6	+4·4	0·70
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Dalhousie (a ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·19	...	4	...	1·50
Murree ...	(i) 24·025	+·011	S 41 E	3·6	58·9	48·4	64·4	-4·1	71·0	52·6	-0·8	42·8	46	+2	2·1	1·96	+0·46	6	+3·6	0·51
Cherat ...	25·748	+·018	N 55 E	5·9	63·2	53·4	73·3	-3·9	81·8	58·5	+0·6	54·1	77	+36	1·5	0	-0·43	0	-1·2	0
Parachinar ...	24·487	+·009	N 45 W	2·2	59·1	47·3	73·1	-1·4	83·5	47·9	-0·9	42·2	41	0	2·1	0·17	-0·70	0	-2·2	0·07
Drosh ...	...	...	S 77 E	1·9	54·7	50·6	75·8	-1·2	87·6	52·2	-0·9	43·4	76	*+24	2·3	0·45	-0·77	3	+0·4	0·17
Mount Abu ...	26·063	+·005	N 8 E	2·4	74·0	57·6	79·5	+0·5	86·1	63·9	-0·7	58·0	35	-9	1·3	0	-0·99	0	-1·1	0
Pachmarhi ...	26·430	-·010	N 17 E	1·6	71·7	60·8	80·6	+1·6	83·1	57·0	-2·5	49·9	53	-7	5·2	0	-2·17	0	-3·1	0
Mercara ...	26·188	+·023	N 41 W	4·2	66·2	64·2	74·2	-1·3	79·8	62·5	+0·4	58·0	90	+1	6·8	7·07	-1·65	12	-1·4	1·59
Kodaikanal ...	22·790	+·018	N 17 W	5·7	56·8	53·8	63·4	+0·4	67·8	51·8	+0·5	49·1	84	+1	6·5	9·19	-0·58	16	+0·9	1·30
Coonoor ...	24·454	...	S 32 E	2·9	63·4	59·2	69·4	...	72·5	55·8	...	50·4	80	...	7·3	15·62	...	13	...	3·14
CEYLON																				
Colombo ...	29·866	+·017	S 64 W	3·3	76·0	73·9	85·4	-0·5	87·1	74·5	-0·7	70·7	91	+5	7·3	5·03	-9·12	13	-3·0	0·84

(a) Reports only rainfall. (b) Mean of 30 days. (i) Mean of 23 days.

MONTHLY WEATHER REPORT

FOR

November 1929

Supplement to the Indian Daily Weather Report for the 19th December 1929

Published by order of the Governor-General in Council

Summary.—The northeast monsoon was active in the south of the Peninsula during the first fortnight but was weak thereafter; weather was on the whole dry elsewhere. During the month two depressions formed in the southeast Arabian Sea and two in the south Bay of Bengal.

The northeast monsoon was active in the south of the Peninsula during the first fortnight. A depression appeared in the south Bay of Bengal with centre near Lat. 9° N and Long. 86° E on the 3rd morning. Moving in a northwesterly direction, it crossed the coast on the night of the 4th and passed out into the Arabian Sea off Marmagao on the 6th morning. It then moved westwards and became unimportant by the 10th. While crossing the Peninsula it caused locally heavy rain in its neighbourhood; Negapatam, Cuddalore and Madras had 4″ each and Vellore 3″ on the 4th and Kodaikanal 4″ the next day. Conditions were unsettled in the southeast Arabian Sea after the 1st and a depression formed on the 4th which intensified into a storm by the 6th morning with centre near Lat. 12° N and Long. 59° E. It weakened rapidly thereafter and became unimportant by the 8th. Another depression which appeared in the southeast Arabian Sea on the 10th near Lat. 14° N and Long. 63° E moved westwards and remained stationary near Lat. 14° N and Long. 60° E up to the 13th and became unimportant thereafter. Conditions were unsettled in the neighbourhood of Ceylon between the 12th and 14th and locally heavy rain fell on the Coromandel coast on the 12th, Madras and Nellore having 4″ each and Cuddalore 7″. Fairly widespread rain fell in upper and central Burma between the 12th and 15th. Elsewhere weather was generally dry during the period.

2. The last depression of the month appeared in the south Bay of Bengal on the 23rd and was centred within hundred miles of Lat. 12° N and Long. 87° E on the next morning. Moving slowly in a westerly direction during the next five days it was centred about 150 miles east of Madras on the 30th morning. Weather was generally dry over the country during the second half of the month except in south Madras between the 21st and 24th.

3. The month's rainfall was in slight excess in Mysore and the Madras Deccan and normal in the Bay Islands, Assam, the Konkan, Malabar and southeast Madras. It was in large excess in Sind, in moderate defect in Lower Burma and in large defect elsewhere. Averaged over the plains of India, the rainfall of the month was in defect by 37 per cent.

4. Minimum temperature was below normal in Orissa and Chota Nagpur between the 8th and 10th and again from the 23rd to 26th, and above it in Sind, Rajputana and west Central India between the 11th and 16th. Day temperature was above the average in east Central India between the 1st and 5th and again from the 9th to 22nd and in east Rajputana, west Central India, Berar, the west Central Provinces and north Hyderabad between the 12th and 16th; night temperature was lower than usual in east Rajputana, Central India, the Central Provinces, the Bombay Deccan and north Hyderabad from the 26th to 29th. The month's mean maximum temperature was above normal in the United Provinces, east Rajputana, Gujarat, Central India, Berar, the west Central Provinces, the Konkan and north Hyderabad and below it in the Madras Deccan; the minimum was above the average in Sind, west Rajputana and Gujarat and below it in Orissa, Chota Nagpur, east Central India and the east Central Provinces.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was normal in the Bay Islands, in moderate defect in Lower Burma and in large defect in Upper Burma. Other climatic elements were normal except cloud amount in Lower Burma, which was in excess.

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Northeast India, including Orissa.—The total rainfall during the month was normal in Assam and in large defect elsewhere. Other climatic elements were roughly normal except humidity in Chota Nagpur and minimum temperature in Orissa and Chota Nagpur, which were below the average.

The United Provinces, Central India and the Central Provinces.—The month's rainfall was in large defect in the whole division. Cloudiness was more than usual in the west United Provinces and Central India and humidity in defect in the United Provinces, Central India, Berar and the west Central Provinces. Maximum temperature was above normal in the United Provinces, Central India, Berar and the west Central Provinces, and the minimum below it in east Central India and the east Central Provinces.

Northwest India.—The total rainfall during the month was in large excess in Sind and in large defect elsewhere. Cloud proportion was above normal outside Kashmir. Humidity was in excess in Kashmir, normal in the southwest Punjab and Sind, and in defect elsewhere. Day temperature was above the average in east Rajputana and Gujarat, and the night temperature in Sind, west Rajputana and Gujarat.

The Peninsula.—The month's rainfall was within 21 per cent of the normal in the Konkan, Mysore, Malabar, southeast Madras and the Madras Deccan and in large defect elsewhere. Cloudiness was more than usual in the Konkan, the Bombay Deccan, Malabar and the Madras Deccan. Humidity was in excess in the Madras Deccan, and in defect in the Bombay Deccan and Hyderabad. Maximum temperature was above normal in the Konkan and north Hyderabad, and below it in the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means shown in Tables I and II, are based on these observations.

POONA:
The 13th December 1929.

K. R. RAMANATHAN,
for *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	1·49	3·04	−1·55	− 51	+1·1	0	− 3	+0·9
Assam ...	0·86	0·85	+0·01	+ 1	−0·2	+0·2	− 1	+0·7
Bengal ...	0·05	1·23	−1·18	− 96	+1·3	−0·5	− 2	−0·1
Bihar and Orissa ...	0	0·61	−0·61	−100	+1·2	−1·7	− 4	−0·2
United Provinces ...	0	0·24	−0·24	−100	+2·2	−1·5	− 8	+0·4
Punjab ...	0	0·11	−0·11	−100	+1·0	+0·4	− 7	+0·8
North-West Frontier Province.	0	0·22	−0·22	−100	+1·9	−0·3	−15	+1·1
Sind ...	0·49	0·06	+0·43	+717	+0·2	+2·8	0	+2·8
Rajputana ...	0	0·11	−0·11	−100	+2·3	+0·9	−10	+1·1
Bombay ...	0·36	0·66	−0·30	− 45	+2·4	+1·3	− 9	+1·5
Central India ...	0	0·33	−0·33	−100	+4·2	−0·9	−15	+0·9
Central Provinces ...	0	0·55	−0·55	−100	+1·9	−1·7	−11	−0·2
Hyderabad ...	0·02	0·81	−0·79	− 98	+2·1	−1·1	− 7	−0·2
Mysore ...	3·04	2·59	+0·45	+ 17	+0·8	+0·5	+ 1	−0·2
Madras ...	5·98	6·68	−0·70	− 10	−0·5	+0·1	− 1	+0·3
Mean of India ...	0·94	1·49	−0·55	− 37	+1·5	−0·2	− 6	+0·6

TABLE II, NOVEMBER 1929

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	9·91	9·51	+ 0·40	+ 4	−1·1	+0·2	− 4	−0·1
2. Lower Burma ...	2·12	3·93	− 1·81	− 46	+1·7	+0·1	− 4	+1·1
3. Upper Burma ...	0·67	1·77	− 1·10	− 62	+0·3	0	− 1	+0·5
4. Assam ...	0·86	0·85	+ 0·01	+ 1	−0·2	+0·2	− 1	+0·7
5. Bengal ...	0·05	1·23	− 1·18	− 96	+1·3	−0·5	− 2	−0·1
6. Orissa ...	0	1·23	− 1·23	−100	+1·1	−2·3	− 3	−0·2
7. Chota Nagpur ...	0	0·48	− 0·48	−100	+0·2	−2·9	− 5	−0·1
8. Bihar ...	0	0·31	− 0·31	−100	+1·6	−0·9	− 4	−0·2
9. United Provinces, East ...	0	0·28	− 0·28	−100	+2·4	−1·3	− 5	−0·2
10. Do. do. West ...	0	0·21	− 0·21	−100	+2·1	−1·7	−11	+0·9
11. Punjab, East and North ...	0	0·14	− 0·14	−100	+1·2	−0·1	− 8	+0·7
12. Do. Southwest ...	0	0·06	− 0·06	−100	+0·7	+1·3	− 4	+0·9
13. Kashmir ...	0·20	0·41	− 0·21	− 51	−1·8	+0·7	+ 8	+0·3
14. North-West Frontier Province ...	0	0·22	− 0·22	−100	+1·9	−0·3	−15	+1·1
15. Baluchistan ...	0·03	0·24	− 0·21	− 87	−0·6	+0·9	−10	+1·0
16. Sind ...	0·49	0·06	+ 0·43	+717	+0·2	+2·8	0	+2·8
17. Rajputana, West ...	0	0·07	− 0·07	−100	+1·5	+2·0	− 5	+1·1
18. Do. East ...	0	0·12	− 0·12	−100	+2·8	+0·2	−13	+1·2
19. Gujarat ...	0·01	0·14	− 0·13	− 93	+3·1	+2·4	−11	+2·0
20. Central India, West ...	0	0·31	− 0·31	−100	+2·8	+1·3	−20	+1·3
21. Do. do. East ...	0	0·36	− 0·36	−100	+5·6	−3·1	− 9	+0·4
22. Berar ...	0	0·51	− 0·51	−100	+3·5	+0·7	− 7	−0·5
23. Central Provinces, West ...	0	0·58	− 0·58	−100	+2·7	−1·1	−16	+0·3
24. Do. do. East ...	0	0·52	− 0·52	−100	+0·1	−3·7	− 4	−0·8
25. Konkan ...	1·25	1·14	+ 0·11	+ 10	+2·1	+1·1	− 2	+0·7
26. Bombay Deccan ...	0·23	1·03	− 0·80	− 78	+1·7	−0·2	−10	+1·5
27. Hyderabad, North ...	0	0·55	− 0·55	−100	+2·7	−0·7	− 9	+0·3
28. Do. South ...	0·03	1·00	− 0·97	− 97	+1·8	−1·2	− 6	−0·5
29. Mysore ...	3·04	2·59	+ 0·45	+ 17	+0·8	+0·5	+ 1	−0·2
30. Malabar ...	4·81	5·41	− 0·60	− 11	+1·1	+1·1	− 1	+1·6
31. Madras, Southeast ...	9·85	9·13	+ 0·72	+ 8	−1·0	+0·4	− 1	+0·2
32. Do. Deccan ...	2·79	2·30	+ 0·49	+ 21	−2·2	+0·2	+ 5	+0·8
33. Do. Coast North ...	1·91	5·63	− 3·72	− 66	−0·1	−1·2	− 3	−0·6

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·811	−·008	N 69 E	7·0	81·1	76·3	85·5	−1·1	88·0	77·3	+0·2	74·5	80	− 4	5·6	9·91	+0·40	13	+0·8	2·18
LOWER BURMA																				
Victoria Point ...	29·740	+·014	N 38 E	(c) 5·3	78·1	72·8	84·6	+0·8	88·3	74·7	+0·2	72·1	81	− 1	6·4	6·56	+0·77	9	−2·0	2·80
Mergui ...	29·854	0	...	...	78·0	73·3	87·6	+0·5	91·7	69·5	−1·2	64·0	79	− 4	4·4	1·83	−1·78	5	−1·0	0·67
Tavoy ...	29·850	−·005	N 50 E	2·1	79·0	72·5	91·1	+3·2	94·2	65·4	−3·7	62·0	73	−10	3·7	0	−2·30	0	−3·9	0
Amherst ...	29·851	...	N 84 E	2·6	78·7	72·6	90·3	...	93·5	73·0	...	68·5	72	...	4·4	0·03	...	0	...	0·03
Rangoon ...	29·907	−·001	N 80 E	2·9	78·5	74·4	90·7	+3·2	94·0	74·2	+1·5	72·3	82	− 1	5·0	0·11	−2·68	0	−3·3	0·01
Bassein ...	29·904	+·006	N 48 E	1·9	78·7	74·5	89·1	+3·0	90·5	72·7	+0·8	68·5	81	− 6	5·1	4·50	+1·26	6	+1·8	1·51
Diamond Island ...	29·858	−·009	N 58 E	5·7	81·3	76·9	87·2	+1·7	90·0	78·0	+2·2	73·9	81	+ 1	5·2	1·63	−3·80	4	−1·5	0·54
Gwa ...	29·967	...	S 79 E	(c) 2·9	78·9	74·8	88·0	...	90·5	70·6	...	63·8	82	...	4·1	0·51	...	1	...	0·40
Toungoo ...	29·757	−·018	...	...	75·9	72·6	88·6	+1·8	91·7	70·8	+1·3	68·1	84	− 5	5·4	2·99	+1·17	3	+0·2	2·03
Kyaukpyu ...	29·897	+·008	N 40 E	1·1	78·9	74·6	85·1	+0·9	88·7	73·9	+0·7	68·8	81	− 3	5·2	0·51	−6·03	2	−2·8	0·23
Akyab ...	29·915	+·006	N 31 E	(f) 5·0	74·1	71·0	86·1	+1·4	88·6	69·8	−1·1	61·3	85	− 5	5·9	0·86	−4·62	4	+0·3	0·26
UPPER BURMA																				
Minbu ...	29·776	−·014	N 41 W	1·9	73·7	69·8	86·4	−0·3	91·1	69·2	+0·3	65·4	82	+ 2	4·2	0·47	−1·35	2	−0·5	0·26
Yamethin ...	29·300	+·008	N 11 E	1·9	75·5	69·7	87·7	+0·8	92·8	67·9	+0·4	63·7	82	− 4	6·2	1·79	−0·10	3	0·1	0·97
Mandalay ...	29·704	−·001	S 72 E	0·6	72·7	70·0	88·2	+0·5	92·2	68·5	+0·6	61·9	87	+ 3	2·8	0·99	−0·61	3	0	0·55
Monywa ...	29·696	+·001	N 13 W	1·4	72·0	68·4	87·8	+1·9	92·0	67·1	−0·8	61·9	82	− 4	4·8	0·05	−1·57	0	2·1	0·04
Lashio ...	27·150	−·016	Calm	1·6	62·1	60·8	76·0	−1·2	81·3	57·1	+1·1	51·3	92	− 1	5·2	1·19	−1·56	6	+1·1	0·24
Bhamo ...	29·583	−·020	N 16 E	1·5	66·2	64·5	80·7	−0·5	86·2	59·5	−0·5	48·6	90	− 2	5·7	0·13	−1·37	1	−1·7	0·13
Myitkyina ...	29·518	+·015	N 22 E	2·2	65·2	62·6	81·5	+1·1	86·6	59·6	−1·2	50·4	86	− 1	4·6	0·10	−1·07	0	−2·0	0·07
ASSAM																				
Dibrugarh ...	29·643	−·008	N 68 E	0·9	66·4	63·9	77·4	−2·1	82·9	61·4	+1·1	52·0	87	− 5	3·9	2·60	+1·50	2	−0·3	1·54
Sibsagar ...	29·670	−·008	N 84 E	0·3	64·3	63·2	78·8	+1·1	83·8	60·4	+0·8	54·2	95	− 1	7·5	1·34	+0·21	2	−0·1	0·97
Tezpur ...	29·742	−·004	N 45 E	1·3	66·5	63·9	81·3	+0·8	84·5	61·2	−0·2	56·9	86	− 3	4·5	0·90	+0·16	2	+1·6	0·53
Gauhati ...	29·805	−·007	N 79 E	0·6	66·1	64·5	80·5	−1·0	86·2	60·7	−0·3	51·1	92	0	5·8	0·27	−0·17	1	0	0·27
Dhubri ...	29·867	−·008	N 85 E	3·9	68·7	66·1	79·2	−0·6	83·2	64·2	+0·5	58·6	87	+ 1	2·3	0	−0·30	0	−0·5	0
Silchar ...	29·884	+·008	S 57 E	...	68·8	66·[illegible]	85·5	−0·5	89·2	62·6	−0·9	54·7	86	6	3·1	0·03	−1·27	0	−1·8	0·03
BENGAL																				
Cox's Bazar ...	29·901	+·009	Calm	1·0	74·2	69·7	84·5	−0·1	87·3	65·5	−1·9	60·6	79	− 7	2·6	0·35	−4·59	1	−2·5	0·27
Chittagong ...	29·866	+·006	N 46 E	4·8	71·3	66·8	85·3	+2·1	88·2	63·8	−1·8	60·3	78	−11	3·5	0·08	−1·79	0	−1·8	0·08
Narayanganj ...	29·938	+·005	N 13 E	0·6	70·8	67·6	84·7	+1·2	87·6	65·2	−0·9	58·6	84	0	2·3	0	−0·98	0	−1·1	0
Barisal ...	29·930	−·003	Calm	0·8	73·2	69·7	83·6	+0·7	87·1	65·5	+0·2	58·9	83	0	1·7	0	−1·48	0	−1·6	0
Jessore ...	29·938	+·002	N 63 W	1·1	68·0	65·9	86·3	+3·1	90·3	(e) 59·6	−4·2	51·9	89	+ 7	1·3	0	−1·02	0	−1·1	0
Calcutta ...	29·946	−·002	N 45 W	1·9	69·3	65·9	83·6	+1·4	87·4	65·0	+0·3	57·9	82	− 1	2·0	0	−0·66	0	−1·0	0
Saugor Island ...	29·944	−·005	N 7 W	5·0	74·0	68·7	82·0	−0·1	85·5	67·1	0	60·3	75	−10	3·2	0	−1·47	0	−1·4	0
Burdwan ...	29·884	+·009	N 56 W	1·2	69·5	65·5	84·8	+1·2	88·8	63·0	−1·3	55·4	75	− 4	1·4	0	−0·86	0	−1·0	0
Berhampore ...	29·919	+·007	N 14 W	0·9	70·5	66·2	85·2	+3·1	90·6	61·8	−2·5	53·6	79	− 4	2·0	0	−0·62	0	−0·7	0
Mymensingh ...	29·917	+·015	N 76 E	0·3	69·7	66·5	83·9	+1·3	86·5	63·4	−1·3	56·3	84	− 3	2·2	0	−0·88	0	−0·9	0
Bogra ...	29·904	0	N 63 E	0·1	70·7	67·8	82·7	+0·4	86·5	62·9	+0·1	57·1	86	+ 2	1·2	0	−0·74	0	−0·7	0
Dinajpur ...	29·838	−·017	N 45 E	0·6	70·1	66·7	83·7	+1·3	86·3	63·0	+2·2	55·5	78	− 5	1·5	0	−0·92	0	−0·4	0
Jalpaiguri ...	29·695	−·015	N 45 E	0·4	66·0	65·2	83·3	+1·5	85·7	62·0	+1·1	56·6	91	+ 7	2·0	0·25	+0·05	1	+0·6	0·25
ORISSA																				
Balasore ...	29·918	+·011	N 10 W	2·5	70·5	65·1	85·0	+0·9	90·6	62·4	−0·7	53·6	72	− 8	3·2	0	−1·34	0	−1·3	0
Chandbali ...	29·956	...	N 13 W	0·5	70·6	66·6	84·4	...	88·9	64·5	...	53·6	80	...	2·3	0	...	0	...	0
Cuttack ...	29·893	+·012	S 79 W	0·5	67·5	64·6	86·7	+1·8	91·4	63·0	−2·4	54·1	85	+ 7	2·4	0	−1·53	0	−1·7	0
Sambalpur ...	29·510	+·016	N 31 E	(h) 0·7	69·7	63·2	84·3	+0·5	88·5	57·9	−3·9	48·7	68	− 7	1·4	0	−0·83	0	−1·0	0
CHOTA NAGPUR																				
Chaibasa ...	29·229	+·005	S 45 W	1·4	63·3	60·0	83·7	+0·6	88·6	57·0	−3·1	47·7	82	+ 1	2·4	0	−0·70	0	−1·0	0
Ranchi ...	27·789	−·006	N 31 W	1·2	66·5	57·0	77·6	−0·2	82·9	55·2	−2·7	48·2	53	−11	1·3	0	−0·38	0	−0·8	0
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·37	0	−0·9	0

(a) Reports only rainfall. (c) Mean of 29 days. (e) Mean of 27 days. (f) Mean of 26 days. (h) Mean of 24 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·851	−·015	S 9 E	0·2	67·1	64·3	83·3	+1·4	86·0	59·1	+0·1	51·5	85	−4	0·9	0	−0·21	0	−0·4	0
Darbhanga ...	29·802	−·019	E	0·7	68·7	64·2	83·2	+1·4	86·4	59·7	−1·1	52·4	77	−5	1·0	0	−0·21	0	−0·3	0
Patna ...	29·800	−·010	S 60 W	1·5	68·1	61·1	83·9	+2·2	88·6	60·2	−0·8	51·7	65	−5	0·6	0	−0·28	0	−0·4	0
Gaya ...	29·598	−·018	S	1·0	67·0	59·9	85·9	+2·7	90·4	59·4	−0·4	50·2	64	−6	0·3	0	−0·45	0	−0·6	0
Naya Dumka	29·477	−·004	N 45 W	0·9	67·8	62·6	82·7	+0·5	88·7	57·5	−2·5	48·6	73	0	1·8	0	−0·41	0	−0·7	0
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·724	+·001	E	0·6	64·6	60·5	84·3	+2·5	88·4	55·5	−2·0	48·9	77	+1	0·4	0	−0·17	0	−0·3	0
Benares ...	29·725	−·014	S 44 W	2·7	64·4	57·6	85·1	+2·3	91·1	53·7	−1·8	46·0	65	−9	0·7	0	−0·30	0	−0·6	0
Allahabad ...	29·659	−·021	S 77 W	2·1	64·0	56·2	85·9	+2·5	91·8	53·5	−1·8	45·0	59	−9	1·0	0	−0·33	0	−0·6	0
Cawnpore ...	29·548	−·020	S 81 W	1·5	65·0	55·9	87·4	+3·6	94·1	54·6	−0·1	44·5	54	−13	0·8	0	−0·40	0	−0·4	0
Lucknow ...	29·596	−·021	S 85 W	1·2	62·6	56·7	85·6	+1·9	91·0	53·3	−0·2	44·0	69	−1	1·2	0	−0·13	0	−0·4	0
Bahraich ...	29·557	−·009	N 68 E	2·0	62·9	58·2	84·5	+1·4	89·2	54·1	−2·0	45·1	74	−2	0·2	0	−0·28	0	−0·6	0
UNITED PROVINCES, WEST																				
Jhansi (b) ...	29·152	−·017	S 57 W	1·2	69·2	55·0	88·5	+3·0	96·0	51·9	−3·6	46·0	35	−17	2·2	0	−0·17	0	−0·4	0
Agra ...	29·418	−·017	S 87 W	2·0	63·3	50·9	86·0	+0·5	94·0	51·9	+2·4	40·0	37	−21	2·2	0	−0·12	0	−0·3	0
Mainpuri ...	29·458	−·007	N 64 W	1·4	65·3	54·8	86·7	+2·4	93·7	50·0	−3·9	40·4	47	−19	1·7	0	−0·18	0	−·03	0
Bareilly ...	29·393	−·010	N 19 W	1·3	59·5	55·5	84·8	+3·4	91·0	52·2	−1·1	44·0	76	+1	1·3	0	−0·23	0	−0·4	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·15	0	−0·4	0
Roorkee ...	29·050	−·021	S 45 E	1·5	56·3	51·1	(c) 81·4	+1·5	88·3	47·8	−2·0	40·0	68	−9	1·1	0	−0·27	0	−0·5	0
Dehra Dun ...	27·702	−·026	N 31 E	1·4	53·9	49·2	77·0	+1·5	81·7	49·5	−2·3	43·0	79	−1	2·2	0	−0·38	0	−0·7	0
PUNJAB, EAST AND NORTH																				
Delhi ...	29·240	−·020	S 79 W	1·5	63·4	51·7	82·6	+0·4	89·0	60·8	+4·1	52·3	40	−15	1·9	0	−0·11	0	−0·3	0
Hissar ...	29·252	−·009	S 56 W	2·2	60·1	50·5	86·0	+1·4	93·1	51·1	+0·8	40·0	46	−14	1·8	0	−0·03	0	−0·1	0
Ambala ...	29·053	−·024	N 26 E	(c) 2·3	56·5	49·5	83·5	+1·6	91·6	49·8	−0·1	40·6	58	−15	1·7	0	−0·28	0	−0·4	0
Ludhiana ...	(c) 29·145	−·017	S 88 W	1·0	57·7	50·2	83·9	+3·3	91·1	(c) 50·2	−1·5	41·0	56	−9	1·9	0	−0·11	0	−0·3	0
Lahore ...	29·265	−·012	N 10 W	1·1	54·9	51·0	82·6	−0·6	90·0	49·2	+0·8	40·0	75	+2	2·5	0	−0·07	0	−0·2	0
Sialkot ...	29·143	−·005	(c) N 30 E	(d) 1·8	56·0	50·7	81·2	+0·4	89·3	46·2	−3·4	38·0	69	−1	1·6	0	−0·11	0	−0·3	0
Rawalpindi ...	(c) 28·299	−·006	N 53 E	1·2	51·4	45·9	79·2	+1·7	87·0	43·0	−1·2	35·0	59	−6	2·2	0	−0·26	0	−0·4	0
PUNJAB, SOUTHWEST																				
Khushab ...	29·375	−·014	N 72 E	2·2	(c) 60·3	48·9	83·7	+0·8	89·0	50·9	+0·7	41·0	(c) 38	−13	1·8	0	−0·08	0	−0·2	0
Lyallpur ...	29·581	+·010	S 51 W	(c) 0·9	58·8	51·8	82·9	+1·2	89·9	50·1	+2·3	43·1	60	−9	2·9	0	−0·01	0	0	0
Montgomery ...	29·419	−·015	S 85 E	1·5	60·8	53·1	83·5	−0·4	90·5	52·3	+0·6	42·0	57	+5	1·7	0	−0·07	0	−0·2	0
Multan ...	29·589	+·019	N 75 E	1·0	63·0	55·6	85·6	+1·1	91·9	55·1	+1·4	46·0	60	0	2·4	0	−0·07	0	−0·1	0
Bahawalpur ...	29·619	...	N 73 E	1·2	59·2	54·0	86·5	...	93·5	50·8	...	40·2	70	...	2·5	0	...	0	...	0
Khanpur ...	29·700	...	S 31 W	1·6	62·8	54·8	86·6	...	96·4	(c) 52·5	...	41·0	57	...	2·2	0	...	0	...	0
KASHMIR																				
Srinagar ...	25·023	+·026	S 84 E	1·4	38·6	(f) 38·6	60·6	+0·1	66·6	32·1	+0·4	25·3	(f) 94	+8	3·3	0·07	−0·36	0	−1·2	0·04
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·77	−0·65	2	−0·4	0·32
Dras ...	20·895	+·030	Calm	1·1	22·3	...	40·4	−0·7	47·9	19·0	+5·8	11·7	...	...	3·1	0·25	−0·19	1	−0·2	0·15
Leh ...	19·760	+·004	N 23 E	2·7	27·7	...	(f) 42·7	−4·7	49·1	20·3	+0·5	13·0	...	...	4·0	0·05	+0·02	0	−0·2	0·05
Skardu ...	23·019	+·027	Calm	0·5	32·5	...	52·0	−2·0	59·4	27·5	−1·9	20·6	...	...	2·8	0·08	+0·01	0	−0·2	0·08
Gilgit ...	25·459	+·177	Calm	0	43·9	(c) 33·0	61·0	−1·9	65·2	40·3	−1·5	34·2	(c) 56	+8	3·9	0	−0·05	0	−0·3	0
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·858	−·009	S 75 W	1·2	55·6	46·2	80·4	+3·9	86·5	47·8	−1·1	39·6	44	−24	2·8	0	−0·23	0	−0·5	0
Dera Ismail Khan ...	29·428	+·006	N 19 W	1·0	52·2	51·5	81·7	−0·2	89·0	48·9	+0·5	40·0	60	−6	2·6	0	−0·16	0	−0·4	0
BALUCHISTAN																				
Fort Sandeman ...	25·509	+·031	S 38 E	1·3	45·7	(h) 37·3	70·7	−0·6	75·7	41·9	+2·6	33·8	(h) 32	−16	1·8	0	−0·25	0	−0·6	0
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·04	−0·41	0	−0·6	0·04
Quetta ...	24·793	+·016	S 48 E	2·6	35·4	...	65·2	+1·1	71·4	32·7	−1·7	22·0	...	...	2·5	0	−0·32	0	−0·9	0
Chaman ...	25·791	0	S 56 E	(f) 3·0	47·6	(d) 37·0	67·6	+0·1	72·6	44·7	+2·5	36·2	(d) 29	−16	2·3	0	−0·31	0	−0·9	0
Kalat ...	23·825	+·021	S 6 E	5·4	32·8	...	61·7	−3·7	67·0	26·9	−0·7	16·1	...	...	2·5	0·13	−0·20	1	0	0·13
Dalbandin ...	27·259	+·029	Calm	2·0	46·7	39·3	76·3	+0·2	81·5	41·7	+1·7	30·0	48	+1	1·6	0	−0·12	0	−0·3	0
Mirjawa ...	27·286	...	N 36 W	4·6	46·4	(d) 39·8	74·1	...	79·8	43·7	...	33·2	(d) 50	...	0·8	0	...	0	...	0
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (h) Mean of 24 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SINDH																				
Jacobabad ...	29·823	+·018	N 3 W	1·2	64·9	56·7	88·4	+1·0	97·3	(c) 55·8	+3·8	45·0	59	+2	2·4	0	−0·07	0	−0·1	0
Hyderabad ...	29·892	−·001	N 4 W	2·2	69·1	59·5	86·7	+1·9	98·8	62·1	+3·0	51·2	54	+1	4·3	0·44	+0·38	1	+·09	0·37
Karachi ...	29·974	−·015	N 22 E	3·3	72·1	63·1	86·5	+1·5	93·3	68·2	+1·7	62·0	53	−2	4·9	1·33	+0·99	2	+1·9	0·81
RAJPUTANA, WEST																				
Bikaner ...	29·225	+·017	S 48 E	1·8	66·2	(c) 52·0	86·8	+1·4	94·0	59·9	+1·4	48·0	31	−16	2·1	0	−0·04	0	−0·1	0
Jodhpur ...	29·198	−·003	N 45 E	1·1	67·8	55·9	90·5	+1·7	98·0	61·2	+2·6	51·0	42	+5	2·3	0	−0·11	0	−0·2	0
RAJPUTANA, EAST																				
Jaipur ...	28·571	+·016	N 31 E	1·2	68·3	55·1	87·4	+1·5	93·3	56·1	+0·7	46·0	39	−11	1·4	0	−0·14	0	−0·3	0
Ajmer ...	28·386	+·010	N 22 E	1·7	65·0	54·6	87·0	+3·2	95·0	52·7	0	42·0	48	−15	2·6	0	−0·18	0	−0·1	0
Kotah ...	29·135	−·013	N 21 W	1·1	71·0	56·4	91·0	+3·8	99·0	59·7	−0·2	49·0	35	−13	2·6	0	−0·11	0	−0·5	0
Dhalrapatan (c) ...	28·913	...	N 63 E	1·3	65·4	(d) 54·6	(l) 87·2	...	95·0	54·8	...	42·0	47	...	1·8	0	...	0	...	0
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·06	0	−0·2	0
GUJARAT																				
Deesa ...	29·496	−·011	N 66 E	5·0	77·1	58·2	97·0	+4·7	103·0	59·6	+1·7	48·0	26	−16	3·3	0	−0·10	0	−0·2	0
Bhuj ...	29·602	−·026	N 45 E	2·4	72·1	(c) 62·1	92·0	+2·4	97·8	61·9	−0·4	50·0	(c) 54	−2	2·4	0	−0·08	0	−0·1	0
Dwarka ...	29·908	−·032	N 54 E	5·2	79·2	67·5	91·8	+5·1	98·0	70·7	+2·1	61·0	52	16	3·7	0·04	+0·01	0	−0·1	0·04
Rajkot ...	29·493	−·021	N 53 E	2·2	74·7	58·6	94·6	+3·7	101·0	64·6	+4·6	53·0	33	−16	3·2	0	−0·23	0	−0·3	0
Veraval ...	29·911	−·018	N 34 E	3·3	77·8	64·5	91·6	+2·9	97·0	72·6	+4·8	61·0	44	−10	2·6	0	−0·19	0	−0·1	0
Surat ...	29·893	−·025	N 83 E	2·1	75·3	63·9	93·9	+2·3	98·0	68·8	+4·6	58·0	51	9	3·9	0	−0·19	0	−0·3	0
Bhavnagar ...	29·881	−·033	N 64 W	(d) 1·9	72·8	60·9	93·5	+2·4	98·6	(e) 62·2	−0·8	51·7	47	−7	3·4	0	−0·15	0	−0·2	0
Ahmadabad ...	29·801	−·012	N 58 E	2·8	75·9	(c) 59·5	94·5	+1·6	100·0	68·1	+2·9	58·0	(c) 52	−13	2·8	0	−0·15	0	−0·4	0
CENTRAL INDIA, WEST																				
Neemuch ...	28·361	+·005	N 77 E	2·3	71·9	56·5	87·4	+2·7	93·1	57·1	+2·1	46·3	33	−15	2·1	0	−0·21	0	−0·3	0
Indore ...	28·135	−·009	S 64 E	1·8	72·3	56·5	86·8	+2·9	92·0	55·3	+0·4	41·0	31	−25	2·9	0	−0·41	0	−0·7	0
Bhopal ...	28·303	...	N 17 E	1·6	69·4	56·3	86·2	...	92·0	54·1	...	44·2	41	...	0·2	0	...	0	...	0
CENTRAL INDIA, EAST																				
Nowgong ...	29·222	−·003	S 59 W	1·0	59·1	(c) 53·8	89·4	+7·3	96·0	50·5	−2·5	41·0	(c) 68	−2	2·2	0	−0·38	0	−0·7	0
Satna ...	28·920	−·006	S 55 W	1·2	64·9	54·8	85·2	+3·9	90·7	50·7	−3·7	42·2	48	−17	1·4	0	−0·31	0	−0·7	0
BERAR																				
Akola ...	29·037	−·003	N 86 E	1·4	70·0	57·2	92·7	+4·6	97·0	58·8	+0·8	48·0	41	−14	2·3	0	−0·18	0	−0·8	0
Amraoti ...	28·747	+·002	N 44 E	2·8	74·2	62·7	89·1	+2·3	94·0	63·1	+0·7	55·0	48	−1	6·9	0	−0·55	0	−1·0	0
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·901	−·018	N 71 E	2·0	67·1	55·6	91·0	+3·3	97·0	56·7	+0·1	44·0	43	−13	2·3	0	−0·53	0	−0·9	0
Hoshangabad ...	(c) 28·975	−·001	N 73 E	2·1	65·7	54·7	89·2	+4·8	94·0	55·8	−1·3	47·0	43	−21	2·3	0	−0·62	0	−0·7	0
Saugor ...	28·154	−·005	N 81 E	1·9	70·4	51·5	84·5	+2·2	90·0	60·1	+2·0	50·0	29	−19	1·5	0	−0·46	0	−0·7	0
Jubbulpore ...	28·624	−·011	S 18 E	1·0	61·4	53·9	85·1	+3·1	91·0	50·4	−2·8	42·0	59	−12	0·8	0	−0·57	0	−0·9	0
Seoni ...	27·924	−·009	N 45 E	1·7	66·9	55·2	82·4	+0·9	88·0	53·3	−2·2	45·0	43	−16	1·9	0	−0·59	0	−0·9	0
Nagpur ...	28·952	+·007	N 39 E	2·3	68·1	56·4	87·2	+1·6	93·0	57·4	−2·6	47·0	44	−11	2·7	0	−0·71	0	−1·0	0
CENTRAL PROVINCES, EAST																				
Pendra ...	27·927	+·001	N 72 W	1·5	64·5	55·8	78·9	−0·4	84·0	53·7	−2·4	44·0	54	−5	1·1	0	−0·37	0	−0·9	0
Raipur ...	28·992	+·004	N 48 E	0·9	67·5	58·9	83·0	−0·5	91·0	57·2	−3·6	48·0	57	−9	2·0	0	−0·40	0	−0·9	0
Kanker ...	28·647	...	N 45 E	1·5	65·5	58·7	83·9	...	94·8	51·4	...	40·5	66	...	1·8	0	...	0	...	0
Chanda ...	29·327	−·002	N 3 W	1·3	67·2	60·7	87·0	+1·4	91·2	56·2	−2·8	46·6	67	−5	0	0	−0·68	0	−1·3	0
Jagdalpur ...	28·112	−·001	N 45 W	1·4	61·6	58·8	81·8	−0·1	86·2	54·1	−5·9	45·2	84	+3	2·9	0	−0·63	0	−1·3	0
KONKAN																				
Bombay ...	29·876	−·020	N 73 E	4·1	77·9	71·9	91·8	+2·6	94·7	74·4	+2·1	68·0	73	−1	2·6	0·22	−0·19	1	+0·3	0·21
Ratnagiri ...	29·676	−·026	S 84 E	5·4	80·5	68·1	91·6	+1·0	95·2	72·1	+1·5	63·4	52	−6	1·2	0·30	−0·63	1	−0·3	0·27
Marmagao ...	29·826	−·030	N 46 E	5·4	...	...	...	...	...	...	...	...	...	...	3·5	0·82	−0·48	2	−0·2	0·60
Karwar ...	29·847	−·012	N 21 W	1·2	73·1	69·7	90·1	+2·6	93·1	69·5	−0·4	61·3	84	+1	5·8	3·66	+1·74	4	+1·2	2·10
BOMBAY DECCAN																				
Malegaon ...	28·521	−·004	S 53 W	2·6	73·2	57·9	91·0	+3·1	95·4	57·9	+0·2	44·0	35	−17	4·4	0·01	−0·65	0	−1·0	0·01
Ahmadnagar ...	...	...	S 16 W	3·5	71·9	57·9	86·5	+0·6	90·5	57·7	−0·4	45·6	39	−16	3·4	0	−0·63	0	−1·3	0
Poona ...	28·110	+·010	S 65 E	2·3	70·7	59·6	88·5	+2·0	93·0	58·4	−1·0	46·0	50	−13	3·5	0·21	−0·77	1	−0·7	0·18
Mahabaleshwar (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	...	1	...	0·30
Sholapur ...	28·368	+·002	S 52 E	6·3	74·5	61·9	89·2	+2·9	93·1	61·6	−1·2	51·1	47	−6	3·8	0·02	−1·03	0	−1·5	0·02
Bijapur ...	27·995	+·011	S 61 E	1·9	72·4	63·1	85·9	−0·1	89·0	62·1	−0·1	49·2	57	−8	4·4	0·74	−0·40	3	+1·2	0·33
Belgaum ...	27·369	−·003	N 83 E	3·0	69·2	(c) 61·9	84·1	+1·6	87·1	62·7	+1·2	53·9	(c) 65	0	4·1	0·43	−1·31	1	−1·4	0·23
HYDERABAD, NORTH																				
Aurangabad ...	28·053	−·018	N 89 E	5·0	72·1	57·6	88·2	+1·4	93·2	62·1	+2·1	47·7	37	−12	4·4	0	−0·58	0	−0·9	0
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·48	0	−1·3	0
Nizamabad ...	28·683	+·007	Calm	1·3	67·5	59·9	89·7	+4·0	93·6	56·8	−3·6	44·6	62	−5	1·2	0	−0·59	0	−1·0	0

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 27 days. (l) Mean of 20 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·431	-·001	N 75 E	6·7	73·6	61·7	88·6	+1·0	92·4	62·9	-0·5	51·6	49	-14	3·1	0·05	-0·95	0	-1·6	0·05
Raichur ...	26·617	+·004	S 88 E	4·3	75·0	66·9	88·3	+1·5	91·0	66·8	-0·9	56·0	65	0	0·7	0·08	-0·87	0	-1·8	0·04
Hyderabad ...	28·231	+·013	S 64 E	2·3	71·1	62·4	87·9	+3·4	92·4	62·9	-0·3	53·3	64	-7	3·5	0	-1·10	0	-2·2	0
Hanamkonda, ...	29·070	+·005	N 54 W	2·7	72·0	63·7	87·4	+1·3	92·4	62·3	-3·2	53·3	62	-2	2·8	0	-0·94	0	-1·3	0
MYSORE																				
Chitaldrug ...	27·509	-·008	S 79 E	4·8	71·4	66·4	82·6	+0·8	87·6	65·6	+1·0	57·7	77	+6	4·3	4·33	+2·05	6	+2·4	3·00
Bangalore ...	26·925	+·002	N 62 E	4·4	69·6	64·8	81·2	+1·4	85·3	62·3	+0·1	57·8	76	-3	5·4	3·78	+0·84	4	-0·7	1·96
Mysore ...	27·398	-·011	N 61 E	5·3	71·0	66·5	82·6	+0·2	87·4	64·8	+0·4	59·9	79	+1	5·1	1·00	-1·55	4	+0·8	0·36
MALABAR																				
Mangalore ...	29·862	-·019	N 77 E	3·1 (d)	79·4	73·9	89·2	+1·6	92·7	74·1	+0·7	71·1	76	-1	4·8	1·60	-1·52	4	-0·7	0·63
Calicut ...	29·842	-·016	S 80 E	2·7	80·0	74·7	90·9	+4·3	93·7	74·4	+0·6	72·0	77	-7	7·3	3·05	-2·33	2	-4·3	2·25
Cochin ...	29·862	-·015	N 78 E	2·2	80·5	76·0	86·3	-1·3	89·0	76·2	+1·7	72·4	81	0	5·7	7·49	+0·95	8	-0·7	2·62
Trivandrum ...	29·655	-·027	N 52 E	2·3	77·8	75·7	82·8	0	85·1	75·5	+1·4	73·1	90	+5	7·2	7·12	+0·53	7	-2·5	2·19
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·50	-0·91	8	-1·8	2·05
Pamban ...	29·822	-·011	N 19 W	10·2	79·5	76·1	84·0	-1·1	87·4	75·8	-0·2	72·2	85	0	4·4	13·09	+1·09	17	+4·0	2·13
Madura ...	29·417	-·014	N 19 E	2·7	78·2	72·9	87·8	+0·4	92·3	73·2	+0·5	70·2	76	-2	6·7	7·90	+2·25	9	+1·4	2·60
Negapatam ...	29·851	-·005	N 18 W	6·6	77·8	74·5	83·3	-1·3	86·3	74·9	+0·6	72·0	85	+1	6·3	17·96	+0·24	13	+0·4	4·50
Trichinopoly ...	29·639	-·007	N 24 W	2·7	78·3	73·4	85·8	-1·4	91·4	72·0	-0·1	68·0	78	-2	5·8	4·52	-1·05	10	+1·5	1·09
Coimbatore ...	28·548	-·010	N 62 E	1·5	75·1	71·2	84·9	-0·9	89·7	69·6	+0·7	66·4	82	-1	5·1	3·62	-0·13	6	-1·0	0·95
Salem ...	28·975	-·006	N 45 E	3·5	75·9	71·3	86·7	-0·5	91·7	69·6	+0·6	64·3	79	0	4·0	3·92	+0·18	6	-0·2	1·34
Cuddalore ...	29·866	+·006	N 12 W	3·6	76·6	73·7	83·2	-1·6	86·4	72·9	+0·4	68·2	87	0	6·3	19·05	+3·97	12	+0·7	7·04
Vellore ...	29·188	-·010	N 30 W	2·2	75·6	70·5	83·2	-1·4	89·0	69·6	+0·4	64·2	85	-1	5·0	7·61	+0·73	10	+1·5	3·03
Madras ...	29·867	-·020	N 28 W	8·5	78·0	74·6	84·4	-0·8	87·6	73·0	+0·5	69·5	81	0	6·5	15·07	+6·82	12	+0·5	3·99
MADRAS, DECCAN																				
Cuddapah ...	29·490	-·002	S	0·7	74·8	71·4	84·6	-3·8	91·7	69·6	-0·2	61·9	84	+8	5·5	5·07	+1·51	7	+1·5	1·77
Bellary ...	28·437	-·008	S 85 E	1·9	72·2	67·3	85·0	-2·5	87·8	66·1	-0·1	59·6	77	+10	4·2	3·12	+0·93	5	+1·7	1·28
Kurnool ...	28·989	-·009	N 50 E	2·8	73·1	66·1	88·0	-0·2	91·2	66·2	+0·8	54·6	65	-4	4·5	0·18	-0·96	0	-2·2	0·07
MADRAS COAST, NORTH																				
Nellore ...	29·861	+·009	N 46 W	3·3	75·6	73·3	85·2	-0·5	89·3	72·6	+0·8	67·8	89	+5	6·4	10·63	-0·61	10	+1·4	3·52
Masulipatam ...	29·927	-·002	N 11 E	4·9	76·4	71·3	84·4	-0·9	87·2	70·5	-0·8	61·4	77	-4	1·5	0·27	-5·40	1	-3·5	0·27
Cocanada ...	29·919	+·005	N 39 E	7·0	77·1	65·7	83·6	+0·6	85·0	69·8	-1·4	63·1	67	-9	4·3	0·25	-5·17	1	-3·6	0·22
Vizagapatam ...	29·813	-·002	N 15 E	3·8	76·7	68·5	83·8	-0·5	85·6	70·9	-1·8	67·2	65	0	3·7	0·15	-3·69	1	-3·0	0·15
Calingapatam ...	29·944	+·020	N 29 W	5·6	72·4	68·7	83·0	-0·5	86·3	67·5	-2·5	60·7	82	-1	2·4	0·14	-3·56	0	-2·9	0·09
Gopalpur ...	29·917	+·014	N 8 E	5·7	72·0	66·0	85·0	+1·3	89·4	65·8	-1·5	58·6	71	-8	2·3	0	-4·02	0	-3·0	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·476	+·007	S 75 E	1·2	64·0	61·4	74·8	+1·5	75·6	54·1	+1·2	49·4	87	-4	5·4	2·12	-1·45	3	-2·9	0·78
Shillong ...	25·173	-·009	N 86 E	1·5	57·9	51·9	64·8	-1·8	65·7	44·3	-2·2	38·0	66	-7	5·7	0·25	-1·33	1	-1·3	0·13
Cherrapunji ...	25·721	-·010	N 61 E	3·6	60·7	54·6	66·0	-1·9	70·0	53·6	-0·4	49·9	68	-1	4·3	0·61	-2·62	2	+0·5	0·22
Darjiling ...	22·973	-·022	N 39 E	1·6	46·6	44·9	53·6	-2·0	58·5	43·2	+0·5	38·9	88	+10	6·1	0·13	-0·65	0	-1·1	0·07
Mukteswar ...	22·864	-·017	N 68 W	3·0	48·9	39·1	58·8	-0·8	70·0	45·7	+3·1	40·0	40	-7	2·0	0	-0·35	0	-0·7	0
Mussoorie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·39	0	-1·0	0
Chakrata ...	23·441 (c)	+·037	N 78 E	5·9	53·1	42·0	61·9	+1·1	66·8	45·7	+1·9	40·5	38	-13	1·1	0	-0·58	0	-0·9	0
Simla ...	23·151	+·005	N 40 E	1·8	51·8	37·4	58·7	+2·7	65·0	46·3	+1·6	40·0	20	-21	2·0	0	-0·52	0	-1·1	0
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Murree ...	...	...	S 45 E	2·2	54·6	42·1	60·7	+0·7	67·0	49·2	+3·6	40·0	32	-7	2·2	0·03	-0·74	0	-1·2	0·03
Cherat ...	25·801	+·009	N 46 E	5·3	56·6	(f) 46·2	65·8	-0·1	72·0	52·5	+3·2	44·8	(f) 39	-2	1·9	0	-0·23	0	-0·6	0
Parachinar ...	24·538	+·027	N 12 W	2·0	49·8	38·4	66·6	+1·8	72·0	40·5	+0·9	33·0	32	-14	2·6	0·06	-0·45	0	-1·6	0·06
Drosh ...	...	...	S 79 E	1·0	45·5	42·2	63·9	-0·7	71·0	43·4	-0·3	38·8	76	+27	2·7	0·13	-0·23	0	-1·3	0·08
Mount Abu ...	26·120	+·006	N 41 E	1·5	71·4	53·5	77·3	+3·7	84·0	60·3	+2·2	52·0	27	-13	3·7	0	-0·19	0	-0·3	0
Pachmarhi ...	26·514	+·009	N 57 E	1·3	66·2	54·7	77·8	+3·6	83·0	48·3	-2·7	37·0	46	-11	3·5	0	-0·73	0	-1·1	0
Mercara ...	26·193	+·003	N 68 E	4·8	64·9	62·1	76·0	+0·5	79·6	61·3	+1·2	58·8	85	0	5·8	0·69	-2·32	3	-2·5	0·38
Kodaikanal ...	22·788	+·037	N 45 E	6·7	56·0	52·6	61·6	+0·4	66·3	50·5	+1·1	47·3	82	-1	6·3	12·01	+3·84	14	+2·0	3·58
Coonoor ...	24·517	...	S 34 E	3·0	61·1	(c) 57·6	66·6	...	73·5	52·9	...	45·9	(c) 83	...	6·5	5·82	...	11	...	1·80
CEYLON																				
Colombo ...	29·836	-·020	N 60 E	2·4	74·4	73·2	85·0	-1·4	87·2	73·2	-0·7	71·1	94	+8	7·4	9·87	-2·48	12	-1·2	2·53

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 27 days. (f) Mean of 26 days.

MONTHLY WEATHER REPORT

FOR

December 1929

Supplement to the Indian Daily Weather Report for the 20th January 1930

Published by order of the Governor-General in Council

Summary.—Of the six western disturbances of the month, the third and fourth gave widespread rain over northern India during the second and third weeks and the month's rainfall was in very large excess in northwest India and the central parts of the country. A depression from the Bay of Bengal, while moving across the Peninsula into the Arabian Sea, gave nearly general rain in the south of the Peninsula on the first three days of the month.

Six western disturbances entered northwest India during the month. The first gave widespread rain along the frontier and in Kashmir on the 4th and light showers along the western Himalayas on the 5th. The second disturbance, which appeared on the 6th, was feeble; the third caused local rain along the frontier and in Kashmir on the 8th and 9th, widespread rain in northwest India outside Gujarat and Rajputana on the 10th and nearly general rain along and near the western Himalayas on the next three days. The fourth western disturbance gave local rain or snow in Baluchistan on the 17th and extensive rain in northwest India on the 18th and lay as a depression over Kathiawar on the next morning; moving eastwards, the depression caused widespread rain over the region extending from Kashmir to the United Provinces, and in north Bihar, Rajputana and Gujarat on the 19th and from the east Punjab to Bihar and Chota Nagpur on the 20th. The fifth disturbance began to affect the frontier on the 22nd and induced a low pressure area over the Central Provinces, which gave widespread rain in the central parts of the country on the 23rd and over the region extending from the east Punjab to Bihar and Chota Nagpur on the next day; it filled up after causing nearly general rain in Orissa, Chota Nagpur and southwest Bengal on the 25th. The last western disturbance caused a few light showers in north Baluchistan on the 29th and lay as a low pressure area over Rajputana on the 31st.

2. A depression which was centred about a hundred miles east of Negapatam on the morning of the 1st crossed the Peninsula, passed out into the Arabian Sea and lay within a hundred miles of Lat. 13° N, Long. 71° E on the morning of the 3rd; it then weekened gradually after causing widespread and locally heavy rain in the south of the Peninsula between the 1st and 3rd, Madura recording 3″ on the 1st. Associated with thunderstorms, rain fell at several stations in southeast Madras between the 5th and 9th, in Bengal and Chota Nagpur on the 16th and in Assam from the 15th to 17th and on the 26th.

3. The month's rainfall was in large defect in the Bay Islands, Upper Burma, the Bombay Deccan and north Hyderabad, in slight to moderate defect in Lower Burma, west Central India, Berar, Mysore and the Madras Deccan, and nearly normal in Malabar. It was in excess by 24 to 96 per cent in the southwest Punjab, Kashmir, east Rajputana, southeast Madras and the North Madras coast and by more than 100 per cent in the remaining sub-divisions, the rainfall in Bihar being twenty-four times the normal amount and that in Chota Nagpur and Gujarat more than twelve times. Averaged over the plains of India, the rainfall of the month was in excess by 107 per cent.

4. Maximum temperature was below normal in the United Provinces, Bihar and Chota Nagpur from the 21st to 31st, in the Punjab, the North-West Frontier Province, Baluchistan and Sind between the 10th and 26th and in the rest of northwest India and in the central parts of the country between the 20th and 27th. During the last ten days of the month, minimum temperature was also lower than usual in most of northwest India. On the other hand, both maximum and minimum temperatures were generally above the average in the central parts of the country during the second week. The month's mean maximum temperature was above normal in Burma, Hyderabad and Mysore, and below it in Chota Nagpur, the United Provinces, west Central India and the whole of northwest India, the deficiency being 8° in Baluchistan and more than 5° in

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several other sub-divisions of northwest India. The mean minimum temperature was above normal in Orissa, Berar, the east Central Provinces, Hyderabad, Mysore, the Madras Deccan and the north Madras coast, and below it in west Rajputana.

Summary of the Local Conditions

Burma, including the Bay Islands.—The total rainfall for the month was in moderate defect in Lower Burma and in large defect elsewhere. Cloud amount was less than usual in the Bay Islands and Upper Burma. Humidity was in defect in the Bay Islands. Maximum temperature was above normal in Burma.

Northeast India, including Orissa.—The month's rainfall was in very large excess in the whole division, the excess being 2291 per cent in Bihar and 1163 per cent in Chota Nagpur. Cloudiness was everywhere more than usual. Humidity was in excess in Chota Nagpur. Maximum temperature was below normal in Chota Nagpur and the minimum above it in Orissa.

The United Provinces, Central India and the Central Provinces.—The rainfall during the month was in very large excess except in west Central India and Berar, where it was in slight defect. Cloud proportion was more than usual in all the sub-divisions. Humidity was in excess in the east Central Provinces. Maximum temperature was below normal in the United Provinces and west Central India, and the minimum above it in Berar and the east Central Provinces.

Northwest India.—The month's rainfall was 1280 per cent above normal in Gujarat and also in very large excess in the other sub-divisions. Cloud amount was generally more than usual. Humidity was in excess in the Punjab, Kashmir, the North-West Frontier Province, Sind and west Rajputana. Maximum temperature was below normal in all the sub-divisions and the minimum in west Rajputana.

The Peninsula.—The total rainfall for the month was in very large excess in the Konkan and south Hyderabad, in moderate excess in the north Madras coast and in slight excess in southeast Madras; it was nearly normal in Malabar and in moderate to large defect elsewhere. Cloudiness was more than usual in the Konkan, Hyderabad and Malabar. Humidity was in excess in the north Madras coast and in defect in the Bombay Deccan. Both maximum and minimum temperatures were above normal in south Hyderabad and Mysore, and the minimum alone in north Hyderabad, the Madras Deccan and the north Madras coast.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 35 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:

The 8th January 1930.

C. W. B. NORMAND,

Director-General of Observatories.

Division.	Rainfall.				Departures from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"				%	
Burma ...	0·39	0·66	−0·27	− 41	+2·5	+1·0	− 2	−0·4
Assam ...	1·48	0·29	+1·19	+410	−0·7	+1·5	− 2	+1·4
Bengal ...	0·62	0·24	+0·38	+158	−0·5	+0·3	+ 1	+1·2
Bihar and Orissa ...	2·15	0·16	+1·99	+1244	−1·3	+1·7	+ 3	+2·4
United Provinces ...	1·74	0·32	+1·42	+444	−3·2	+0·2	+ 3	+2·4
Punjab ...	1·64	0·49	+1·15	+235	−5·2	+0·7	+ 9	+1·8
North-West Frontier Province.	0·94	0·39	+0·55	+141	−5·7	−0·3	+ 4	+2·7
Sind ...	0·74	0·11	+0·63	+573	−4·9	−0·4	+ 5	+2·2
Rajputana ...	0·37	0·19	+0·18	+ 95	−4·4	−1·6	+ 3	+2·4
Bombay ...	0·44	0·15	+0·29	+193	−1·3	−0·2	− 3	+0·8
Central India ...	1·25	0·29	+0·96	+331	−1·4	−0·4	− 1	+2·3
Central Provinces ...	1·05	0·38	+0·67	+176	+0·4	+1·9	0	+1·4
Hyderabad ...	0·43	0·29	+0·14	+ 48	+2·3	+3·4	0	+0·5
Mysore ...	0·30	0·40	−0·10	− 25	+2·3	+2·3	+ 3	+0·4
Madras ...	3·15	2·59	+0·56	+ 22	+0·3	+1·8	+ 2	+0·4
Mean of India ...	1·16	0·56	+0·60	+107	−1·1	+0·8	+ 1	+1·2

Sub-division.		Rainfall.				Departure from normal of			
		Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud
		"	"	"		°	°	%	
1. Bay Islands	...	0·53	6·91	− 6·38	− 92	−0·2	+0·4	− 5	−1·1
2. Lower Burma	...	0·57	0·77	− 0·20	− 26	+2·6	+1·1	− 1	0
3. Upper Burma	...	0·15	0·51	− 0·36	− 71	+2·4	+0·9	− 3	−0·8
4. Assam	...	1·48	0·29	+ 1·19	+410	−0·7	+1·5	− 2	+1·4
5. Bengal	...	0·62	0·24	+ 0·38	+158	−0·5	+0·3	+ 1	+1·2
6. Orissa	...	1·10	0·24	+ 0·86	+358	+0·2	+2·6	+ 2	+1·4
7. Chota Nagpur	...	2·40	0·19	+ 2·21	+1163	−2·1	+1·5	+ 6	+2·6
8. Bihar	...	2·63	0·11	+ 2·52	+2291	−1·8	+1·3	+ 2	+2·2
9. United Provinces, East	...	1·50	0·22	+ 1·28	+582	−2·6	+0·7	+ 4	+1·8
10. Do. do. West	...	1·95	0·41	+ 1·54	+376	−3·8	−0·4	+ 3	+2·4
11. Punjab, East and North	...	2·21	0·58	+ 1·63	+281	−5·2	+0·6	+ 7	+1·9
12. Do. Southwest	...	0·64	0·33	+ 0·31	+ 94	−5·2	+0·8	+11	+1·6
13. Kashmir	...	3·08	1·57	+ 1·51	+ 96	−5·1	−1·8	+11	+0·8
14. North-West Frontier Province	...	0·94	0·39	+ 0·55	+141	−5·7	−0·3	+ 4	+2·7
15. Baluchistan	...	2·60	0·68	+ 1·92	+282	−8·1	−0·6	+ 3	+1·8
16. Sind	...	0·74	0·11	+ 0·63	+573	−4·9	−0·4	+ 5	+2·2
17. Rajputana, West	...	0·31	0·15	+ 0·16	+107	−5·2	−2·3	+11	+2·3
18. Do. East	...	0·41	0·21	+ 0·20	+ 95	−3·9	−1·2	− 2	+2·4
19. Gujarat	...	0·69	0·05	+ 0·64	+1280	−3·8	−1·6	− 1	+1·5
20. Central India, West	...	0·16	0·19	− 0·03	− 16	−2·5	−1·3	− 3	+1·8
21. Do. do. East	...	2·35	0·39	+ 1·96	+503	−0·3	+0·5	+ 2	+2·9
22. Berar	...	0·43	0·55	− 0·12	− 22	+0·6	+2·5	− 1	+0·5
23. Central Provinces, West	...	1·23	0·42	+ 0·81	+193	−0·3	+0·8	− 3	+1·8
24. Do. do. East	...	1·08	0·24	+ 0·84	+350	+0·5	+3·1	+ 6	+1·3
25. Konkan	...	0·58	0·15	+ 0·43	+287	−0·2	+0·1	0	+0·3
26. Bombay Deccan	...	0·03	0·30	− 0·27	− 90	+1·4	+1·5	− 6	+0·2
27. Hyderabad, North	...	0·06	0·44	− 0·38	− 86	+1·9	+3·9	− 3	+0·5
28. Do. South	...	0·71	0·18	+ 0·53	+294	+2·4	+3·1	+ 1	+0·5
29. Mysore	...	0·30	0·40	− 0·10	− 25	+2·3	+2·3	+ 3	+0·4
30. Malabar	...	1·53	1·44	+ 0·09	+ 6	+0·6	+1·6	+ 2	+0·9
31. Madras, Southeast	...	5·60	4·52	+ 1·08	+ 24	+0·2	+1·2	− 1	+0·4
32. Do. Deccan	...	0·30	0·42	− 0·12	− 29	+0·1	+3·2	+ 3	+0·2
33. Do. Coast North	...	1·59	1·23	+ 0·36	+ 29	+0·3	+2·4	+ 6	+0·1

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·839	−·009	N 23 E	5·0	80·1	71·0	85·4	−0·2	88·0	76·9	+0·4	71·5	75	− 5	3·9	0·53	−6·38	1	−6·7	0·31
LOWER BURMA																				
Victoria Point ...	29·752	+·006	N 43 E	5·5	77·3	72·9	85·6	+0·2	88·2	73·8	+0·3	69·9	80	+ 2	5·0	2·63	−0·11	1	−0·9	1·40
Mergui ...	29·849	−·013	...	...	75·2	71·8	88·3	+1·5	92·4	67·8	0	63·0	84	+ 5	3·7	1·62	+0·93	3	+1·5	1·40
Tavoy ...	29·907	−·018	N 27 E	1·8	75·7	69·9	91·5	+3·8	94·0	61·4	−1·3	58·8	82	− 1	2·3	0·11	−0·25	1	+0·3	0·11
Amherst ...	29·869	...	N 87 E	3·1	74·5	69·6	89·8	...	93·1	76·1	...	66·7	77	...	3·6	0	...	0	...	0
Rangoon ...	29·929	−·020	N 17 E	2·3	73·7	69·9	91·8	+4·7	94·0	69·5	+2·1	61·0	82	0	3·7	0	−0·37	0	−0·5	0
Bassein ...	29·925	−·019	N 55 E	1·9	73·7	69·1	87·2	+2·7	90·5	67·1	+1·5	60·0	78	− 7	2·6	0·61	+0·21	2	+1·3	0·43
Diamond Island ...	29·879	−·033	N 49 E	6·2	78·6	72·9	85·8	+2·1	88·3	75·8	+3·3	73·0	75	+ 1	2·6	0·12	−0·80	0	−1·0	0·04
Gwa ...	29·936	...	S 30 E	2·6	73·5	69·4	85·7	...	90·5	63·2	...	55·4	81	...	1·4	0	...	0	...	0
Toungoo ...	29·782	−·032	...	...	70·1	67·0	86·8	+3·7	91·5	64·4	+3·0	57·0	84	− 5	3·0	0·02	−0·43	0	−0·6	0·02
Kyaukpyu ...	29·930	−·017	N 24 E	2·8	74·4	70·4	82·0	+2·0	85·8	68·4	+1·7	60·1	81	− 1	1·7	0	−0·69	0	−0·8	0
Akyab ...	29·946	−·017	N 20 E	5·6	67·6	64·7	83·2	+2·5	88·8	62·4	−0·7	50·6	85	− 5	2·2	0	0·76	0	−0·9	0
UPPER BURMA																				
Minbu ...	29·846	−·036	N 39 W	1·5	68·4	63·0	84·8	+2·4	90·5	60·8	+0·2	54·4	73	− 5	1·4	0	−0·51	0	−0·7	0
Yamethin ...	29·312	−·023	N 6 E	1·6	66·4	62·4	87·2	+3·7	90·4	59·9	+1·4	51·3	79	− 6	1·3	0·21	−0·29	1	+0·1	0·21
Mandalay ...	29·735	−·027	N	0·4	66·7	63·5	86·6	+3·1	89·8	61·5	+1·9	54·1	83	− 2	0·6	0	−0·38	0	−0·8	0
Monywa ...	29·717	−·031	N 26 W	1·8	64·9	61·7	84·0	+3·7	89·0	59·4	−0·1	53·9	82	− 5	2·4	0	−0·34	0	0·8	0
Lashio ...	27·148	−·031	Calm	2·2	55·6	54·2	75·0	+1·8	78·3	50·0	+1·4	41·5	92	2	3·5	0	−0·86	0	1·4	0
Bhamo ...	29·696	−·030	N 16 E	1·5	57·7	57·0	76·5	+1·0	81·7	51·3	0	41·0	96	+ 1	6·6	0·01	−0·56	0	−1·0	0·01
Myitkyina ...	29·532	−·026	N 7 E	2·2	57·7	55·9	75·9	+0·9	81·6	52·7	+1·2	48·2	90	0	4·3	0·82	+0·40	3	+1·6	0·52
ASSAM																				
Dibrugarh ...	29·708	+·008	N 74 E	1·1	56·5	55·8	71·4	−2·0	77·2	(h) 53·2	+2·2	46·6	95	0	3·1	4·59	+4·00	6	+4·9	1·65
Silsagar ...	29·724	−·006	S 45 W	0·6	56·3	55·6	73·4	+2·1	79·6	52·6	+2·0	45·2	96	− 2	8·4	2·62	+2·10	4	+2·5	1·10
Tezpur ...	29·780	−·013	N 45 E	0·8	59·1	57·1	74·9	+0·4	80·5	55·0	+1·5	47·3	88	− 5	5·0	0·34	+0·11	1	+0·5	0·30
Gauhati ...	29·842	−·020	N 45 E	0·4	58·2	57·1	74·4	−0·9	79·0	52·3	+1·3	44·8	93	− 2	7·1	0·06	−0·09	0	−0·4	0·03
Dhubri ...	29·911	−·016	S 86 E	2·9	60·9	58·9	72·8	−1·5	79·2	56·4	+1·3	48·0	88	− 1	4·4	0·07	0	0	−0·1	0·05
Silchar ...	29·924	−·010	S 45 E	...	59·5	(b) 58·3	77·5	−2·1	85·2	55·1	+0·4	44·4	(b) 89	0	3·3	1·40	+1·01	1	+0·3	1·30
BENGAL																				
Cox's Bazar ...	29·931	−·013	N 27 E	1·1	66·8	62·3	79·8	+0·1	84·3	59·4	+1·2	49·8	82	− 5	0·9	0	−0·66	0	−0·5	0
Chittagong ...	29·906	−·014	N 26 E	5·3	62·7	55·2	81·1	+2·7	86·4	56·3	−0·9	47·4	80	− 9	2·2	0	−0·70	0	−0·8	0
Narayanganj ...	29·988	−·036	N 36 W	1·0	61·8	59·5	77·9	0	84·2	57·0	−0·2	48·4	86	0	2·5	1·11	+0·92	1	+0·5	1·05
Barisal ...	29·982	−·014	N 16 W	1·6	64·2	62·1	77·2	−0·4	83·9	57·3	+1·3	47·0	89	+ 4	2·1	0	−0·39	0	−0·7	0
Jessore ...	29·995	−·007	N	1·0	59·0	57·5	77·5	+0·2	85·9	(k) 52·1	−2·4	41·6	91	+ 9	2·5	1·13	+0·93	2	+1·5	0·85
Calcutta ...	30·001	−·015	N 8 W	2·3	60·5	58·1	76·9	−0·1	84·0	57·2	+1·2	46·8	85	+ 4	2·4	0·29	+0·09	1	+0·6	0·16
Saugor Island ...	29·997	−·022	N 23 E	6·3	65·5	61·9	75·8	−0·9	80·1	59·3	+0·6	50·5	80	− 7	3·3	0·51	+0·24	2	+1·5	0·36
Burdwan ...	29·933	−·010	N 11 W	1·7	59·9	56·8	76·8	−1·6	85·6	55·7	−0·1	45·5	82	+ 9	2·8	2·00	+1·85	2	+2·7	1·58
Berhampore ...	29·980	+·003	N 79 W	1·1	61·0	58·4	75·4	−1·0	85·8	54·0	−1·3	43·8	84	0	3·1	1·62	+1·50	3	+2·7	0·67
Mymensingh ...	29·958	−·007	N 18 W	0·6	59·8	57·9	75·8	−1·2	82·8	55·7	+0·3	45·8	89	0	4·3	0·28	+0·21	1	+0·7	0·16
Bogra ...	29·961	−·036	N 31 W	1·2	61·3	59·0	73·1	−3·2	80·8	54·9	+0·9	43·8	86	+ 2	3·1	0·39	+0·34	2	+1·9	0·14
Dinajpur (b) ...	29·888	−·022	N 40 W	1·5	59·8	57·2	75·2	−1·6	82·8	53·2	+1·9	41·5	84	− 2	3·3	0·28	+0·2.	1	+0·9	0·20
Jalpaiguri ...	29·734	−·025	N 45 W	0·5	58·0	57·1	76·1	+0·1	83·9	53·8	+1·0	44·9	94	+ 6	3·3	0·40	+0·29	2	+1·7	0·30
ORISSA																				
Balasore ...	29·976	−·002	N 3 W	3·7	64·1	59·7	78·5	−1·4	87·1	57·6	+2·3	46·0	76	− 2	3·5	0·89	+0·68	1	+0·6	0·89
Chandbali ...	30·000	...	N 4 E	2·1	65·2	62·1	78·7	...	87·3	59·5	...	48·8	83	...	3·0	1·29	...	2	...	0·80
Cuttack ...	29·934	−·017	N 81 E	0·7	63·2	61·0	82·4	+1·4	89·5	60·3	+2·2	49·3	87	+ 9	3·5	2·01	+1·73	2	+1·5	1·52
Sambalpur ...	29·536	−·018	N 69 E	...	66·6	61·8	80·4	+0·7	86·7	57·1	+3·4	42·7	74	− 1	2·7	0·39	+0·17	1	+0·7	0·22
CHOTA NAGPUR																				
Chaibasa ...	29·270	−·012	N 45 E	1·3	53·3	56·3	73·1	−1·9	86·1	54·2	+3·5	43·1	88	+ 5	4·5	2·12	+1·94	4	+3·6	1·10
Ranchi ...	27·810	−·019	N 68 W	1·6	57·4	52·4	70·7	−2·4	81·9	50·3	−0·6	40·4	71	+ 7	3·9	2·63	+2·50	4	+3·5	1·08
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·39	+2·18	5	+4·6	1·03

(a) Reports only rainfall. (b) Mean of 30 days. (h) Mean of 24 days. (k) Mean of 21 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·901	−·026	S 54 W	0·9	57·4	56·2	73·9	−1·8	81·0	51·7	+2·2	42·0	92	+2	2·8	2·05	+1·92	2	+1·8	1·50
Darbhanga ...	29·862	−·022	W	1·2	59·2	56·2	73·1	−1·8	80·2	52·0	−0·1	42·5	82	−4	3·6	1·80	+1·72	3	+2·8	0·99
Patna ...	29·856	−·018	S 82 W	2·3	59·3	55·0	72·3	−1·8	81·3	53·7	+1·9	44·1	76	+2	3·3	5·93	+5·81	4	+3·7	2·90
Gaya ...	29·668	−·009	S 54 W	1·2	59·6	54·7	75·1	−1·0	88·2	52·9	+1·6	43·9	72	+1	2·6	1·36	+1·23	4	+3·8	0·61
Naya Dumka	29·532	−·008	N 45 W	1·1	59·0	55·8	73·4	−2·6	88·6	51·9	+0·7	42·6	81	+9	3·7	2·00	+1·90	5	+4·8	1·11
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·752	−·038	W	0·7	55·1	52·6	71·9	−2·2	81·0	49·5	−0·1	40·3	84	+3	2·8	1·58	+1·44	3	+1·7	1·13
Benares ...	29·775	−·028	S 61 W	3·0	54·9	52·3	72·5	−2·6	82·3	49·2	+1·6	40·1	83	+3	3·4	3·44	+3·23	4	+3·5	2·09
Allahabad ...	29·706	−·038	S 26 W	3·2	54·8	51·8	73·0	−2·7	87·0	48·9	+1·2	40·0	79	+1	3·3	1·96	+0·83	4	+3·5	0·36
Cawnpore ...	29·596	−·038	S 64 W	2·1	55·0	51·4	73·5	−2·0	86·9	48·7	+1·4	37·3	77	+1	2·5	0·96	+0·78	3	+2·4	0·32
Lucknow ...	29·644	−·034	N 57 W	1·7	53·2	50·9	72·3	−3·3	85·0	47·9	+1·4	35·0	86	+9	3·2	0·86	+0·58	1	+0·4	0·70
Bahraich ...	29·596	−·023	S 61 E	1·9	53·4	50·8	71·8	−3·0	82·1	46·6	−1·1	36·1	83	+2	2·4	1·18	+0·80	3	+2·4	0·71
UNITED PROVINCES, WEST																				
Jhansi ...	29·174	−·052	N 32 E	2·4	56·6	49·8	75·0	−3·1	90·0	49·0	−2·3	38·0	59	−1	4·5	0·61	+0·38	2	+1·3	0·28
Agra ...	29·455	−·043	N 3 W	3·6	52·6	47·5	71·4	−5·5	85·0	46·2	+1·8	36·0	66	−11	4·0	0·51	+0·24	1	+0·3	0·41
Mainpuri ...	29·480	−·024	N 50 W	1·7	52·6	49·0	72·2	−2·7	86·8	44·3	−2·3	33·4	77	+5	3·6	0·71	+0·37	2	+1·2	0·44
Bareilly ...	29·446	−·011	S 81 W	1·9	50·9	49·4	71·2	−1·5	82·0	47·0	+1·1	38·0	88	+8	3·7	1·25	+0·92	4	+3·2	0·47
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·62	+1·21	3	+1·0	1·06
Roorkee ...	23·081	−·032	N 45 W	2·3	48·0	46·5	66·0	−5·5	79·0	45·1	+2·0	36·0	89	+5	3·9	3·05	+2·51	7	+5·8	1·92
Dehra Dun ...	27·708	−·014	N 25 W	1·2	45·3	43·1	64·1	−4·7	76·0	43·0	−2·6	35·0	83	+9	5·3	5·91	+5·13	7	+5·6	1·73
PUNJAB, EAST AND NORTH																				
Delhi ...	29·276	−·039	S 70 W	1·6	52·9	48·3	67·7	−5·2	80·2	50·5	+1·6	40·7	70	+7	3·8	1·11	+0·71	3	+2·1	0·47
Hissar ...	29·293	−·027	S 26 E	3·0	48·4	45·1	68·3	−5·8	82·0	43·7	+0·9	35·0	77	+7	3·4	1·11	+0·82	4	+3·2	0·44
Ambala ...	29·092	−·031	N 26 W	2·3	49·0	46·1	67·1	−5·0	81·8	45·3	+2·2	36·0	82	+2	5·1	3·37	+2·50	7	+5·7	1·09
Ludhiana ...	29·189	−·026	S 82 W	1·9	47·3	45·2	65·8	−4·5	80·0	43·5	−0·9	34·0	86	+10	4·9	1·87	+1·22	5	+3·7	1·08
Lahore ...	29·316	−·026	N 10 W	1·2	46·1	44·9	65·1	−7·2	77·0	42·9	+1·8	35·0	91	+9	5·2	2·27	+1·91	5	+4·0	0·84
Sialkot (b) ...	29·185	−·018	N 33 W	1·3	45·6	(c) 44·2	64·9	−4·4	78·0	40·8	−1·4	32·0	(c) 86	+7	3·6	1·47	+0·81	3	+1·8	0·83
Rawalpindi ...	(b) 28·319	−·027	N 52 E	1·9	42·3	(c) 41·1	62·2	−4·6	75·0	37·6	+0·2	29·0	(c) 83	+8	5·0	4·28	+3·18	7	+5·0	1·09
PUNJAB, SOUTHWEST																				
Khushab ...	29·433	−·020	N 61 E	3·0	46·6	42·6	65·5	−6·2	81·0	42·2	+0·6	33·0	79	+10	4·3	0·85	+0·49	1	+3·2	0·25
Lyallpur ...	29·458	+·016	N 29 E	0·8	46·4	44·2	65·7	−4·3	77·0	42·2	+2·6	32·9	84	+4	6·2	0·72	+0·37	3	+2·3	0·25
Montgomery ...	29·468	−·032	N 38 E	2·1	47·4	44·7	66·6	−5·5	79·0	42·8	+0·2	33·0	81	+17	3·5	0·56	+0·26	3	+2·0	0·22
Multan ...	29·633	−·014	N 17 E	1·6	49·1	47·1	68·4	−4·9	79·0	41·8	−0·3	35·0	84	+15	3·6	0·43	+0·21	2	+1·4	0·28
Bahawalpur ...	29·679	...	N 20 E	1·4	45·8	43·3	68·8	...	81·5	41·2	...	32·2	80	...	3·9	0·43	...	2	...	0·28
Khanpur ...	29·766	...	N 11 E	2·8	48·1	44·0	71·1	...	82·0	40·7	...	29·0	72	...	3·5	0·22	...	1	...	0·16
KASHMIR																				
Srinagar ...	24·943	−·060	S 37 E	2·8	31·5	...	42·0	−5·4	57·7	28·9	+1·3	16·7	(p) 92	+6	9·1	2·04	+0·60	6	+2·4	0·51
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·73	+5·12	15	+7·7	20·06
Dras ...	20·731	−·079	N 45 E	0·1	0·3	...	18·4	−7·3	39·9	−5·3	−4·2	−34·0	...	...	5·2	3·93	+2·20	11	+5·2	1·20
Leh ...	19·584	−·102	N 30 E	1·3	12·4	...	...	...	...	8·4	−4·4	−13·0	...	...	7·5	0·89	+0·84	2	+1·5	0·42
Skardu ...	22·907	−·069	S 45 E	0·3	25·5	...	35·8	−4·5	46·6	20·9	−0·8	5·1	...	...	4·9	0·54	+0·15	2	+0·8	0·17
Gilgit ...	25·146	−·151	Calm	0·2	35·9	...	46·1	−3·4	57·4	32·8	−0·7	21·6	(o) 75	+15	5·8	0·42	+0·31	2	+1·7	0·31
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·873	−·030	S 6 W	1·2	43·7	(c) 40·9	62·5	−4·1	79·1	40·2	−0·3	31·9	(c) 73	+1	6·1	1·24	+0·65	6	+4·7	0·27
Dera Ismail Khan ...	29·483	−·008	N 25 W	1·4	45·7	43·4	64·4	−7·3	78·0	40·3	−0·3	31·0	79	+7	5·6	0·64	+0·44	2	+1·4	0·40
Miranshah ...	26·974	...	W	2·6	42·7	(h) 38·3	57·6	...	73·0	37·6	...	28·0	(h) 53	...	1·0	0·83	...	3	...	0·45
BALUCHISTAN																				
Fort Sandeman ...	25·446	−·029	S 38 W	1·5	31·5	...	52·1	−8·7	67·9	31·1	−0·1	21·6	...	...	3·2	1·03	+0·50	3	+1·8	0·48
Barnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·43	+1·07	2	+0·9	0·80
Quetta ...	24·721	−·034	S 27 E	3·4	(b) 28·6	...	44·5	−10·4	62·0	26·5	−4·5	−3·0	...	...	6·0	2·72	+1·80	6	+3·7	1·31
Chaman ...	25·716	−·071	S 38 E	3·6	37·5	...	49·8	−5·5	70·6	34·8	−0·1	23·3	(o) 63	−2	5·0	3·62	+2·41	6	+2·9	1·26
Kalat ...	23·706	−·065	S 14 W	4·3	26·4	...	44·8	−10·5	61·0	21·1	−2·1	5·9	...	...	4·2	2·83	+1·68	5	+2·9	0·95
Dalbandin ...	27·226	−·024	S 45 E	2·2	40·3	...	58·5	−5·3	77·0	37·0	+3·6	26·9	(i) 79	+7	3·4	4·18	+3·66	4	+2·4	2·17
Nushki ...	27·239	...	S 65 W	4·5	40·1	...	58·0	...	77·6	36·3	...	26·8	(j) 75	...	2·6	1·10	...	2	...	0·70
Panjgur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pasni ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (h) Mean of 24 days. (i) Mean of 23 days. (j) Mean of 22 days. (o) Mean of 17 days. (p) Mean of 16 days.

TABLE III, DECEMBER 1929

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad (b) ...	29·090	−·007	N 75 E	2·1	59·5	46·2	71·1	−5·4	81·0	44·8	+0·6	35·0	71	+ 7	3·6	0·53	+0·46	2	+1·6	0·45
Hyderabad ...	29·063	−·015	N 5 E	2·7	56·1	49·8	72·5	−6·1	86·3	51·4	−0·7	39·0	63	+ 6	4·2	0·88	+0·82	1	+·08	0·82
Karachi ...	30·038	−·023	N 41 E	5·5	60·9	52·1	74·7	−3·5	84·0	58·2	−1·0	48·0	59	+ 2	4·5	0·71	+0·60	2	+1·5	0·56
RAJPUTANA, WEST																				
Bikaner (b) ...	29·260	−·010	S 74 E	3·2	51·1	45·4	69·9	−5·3	85·0	46·8	−2·8	38·0	62	+10	4·7	0·32	+0·14	2	+1·6	0·15
Jodhpur ...	29·229	−·022	N 33 E	2·3	54·5	47·3	74·5	−5·1	87·0	50·5	−1·7	40·0	55	+13	4·2	0·29	+0·17	1	+0·5	0·28
RAJPUTANA, EAST																				
Jaipur ...	28·568	−·028	N 86 E	2·1	56·1	48·2	71·7	−5·5	81·0	48·7	0	37·0	55	− 1	3·4	0·37	+0·16	1	+0·4	0·28
Ajmer ...	28·380	−·056	N 62 E	2·4	51·9	46·5	71·3	−4·1	84·0	45·0	−1·4	34·0	64	− 6	4·6	0·75	+0·47	2	+1·5	0·43
Kotah ...	29·160	−·038	N 50 W	1·8	57·7	50·3	77·3	−1·8	92·0	50·7	−2·2	39·0	57	+ 1	4·1	0·19	−0·07	1	+0·4	0·14
Jhalrapatan ...	28·930	...	N 3 E	2·2	55·5	48·8	75·9	...	90·0	48·3	...	35·0	60	...	3·3	0·29	...	1	...	0·11
Udaipur (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·31	+0·23	2	+1·7	0·12
GUJARAT																				
Deesa ...	29·515	−·021	N 57 E	6·5	58·2	48·9	80·9	−4·9	91·0	49·1	3·2	37·0	47	+ 1	3·3	0·27	+0·23	1	+0·9	0·10
Bhuj ...	29·663	−·030	N 23 E	5·7	58·4	50·8	76·7	−5·1	89·0	50·8	−4·1	38·0	57	0	3·1	0·68	+0·64	1	+0·9	0·68
Dwarka ...	29·980	−·017	N 44 E	7·3	66·9	58·7	77·6	−3·3	91·0	60·6	−0·5	50·0	59	− 7	1·5	0·52	+0·48	1	+0·8	0·52
Rajkot ...	29·562	−·022	N 28 E	3·6	59·7	50·5	80·7	−4·3	94·0	51·9	−0·9	39·0	48	0	2·7	1·30	+1·26	2	+1·9	0·90
Veraval ...	29·975	−·007	N 25 E	4·4	66·5	56·6	82·6	−1·5	93·0	62·5	+0·2	48·0	52	+ 2	1·8	0·87	+0·79	1	+0·8	0·85
Surat ...	29·951	−·015	N 42 E	4·2	65·5	55·9	81·0	−3·7	94·0	58·7	+0·1	47·0	57	− 4	2·7	0·98	+0·91	1	+0·9	0·98
Bhavnagar ...	29·136	−·031	N 24 W	3·4	61·5	52·2	82·3	−3·0	91·6	54·5	−1·4	42·9	51	− 3	2·3	0·70	+0·63	1	+0·9	0·70
Ahmadabad ...	29·849	−·015	N 46 E	3·1	63·4	52·7	81·5	−4·9	91·0	56·1	−2·9	45·0	45	− 1	2·5	0·29	+0·17	1	+1·0	0·29
CENTRAL INDIA, WEST																				
Neemuch ...	28·359	−·035	N 57 E	4·6	56·1	49·4	75·0	−3·5	87·0	47·5	−1·6	33·0	58	+ 4	3·2	0·27	+0·10	1	+0·5	0·15
Indore ...	28·155	−·013	S 63 E	2·1	60·1	51·3	78·3	−1·6	87·0	48·8	−1·0	35·0	49	− 10	3·4	0·05	−0·16	0	−0·5	0·05
Bhopal ...	28·306	...	N 76 E	2·1	59·3	52·2	(b) 77·8	...	83·0	50·1	...	39·1	62	...	1·4	0·58	...	1	...	0·45
CENTRAL INDIA, EAST																				
Nowgong ...	29·246	−·037	S 68 E	1·4	51·7	48·9	75·9	+0·9	91·0	46·7	+0·3	37·0	82	+ 8	4·7	1·01	+0·60	2	+1·4	0·76
Sutna ...	28·949	−·030	S 15 W	1·6	56·1	50·5	73·8	−1·1	89·1	47·8	+0·6	39·0	65	− 4	4·4	3·69	+3·33	5	+4·2	1·88
BERAR																				
Akola ...	29·046	−·038	S 83 E	2·5	64·5	53·8	85·3	+0·9	92·0	55·8	+3·5	46·0	45	−10	2·8	0·53	−0·07	1	0	0·53
Amraoti ...	28·779	−·030	N 43 E	4·5	66·8	58·9	83·4	+0·5	89·0	59·1	+1·6	48·0	59	+ 8	2·6	0·33	−0·16	2	+1·3	0·18
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·924	−·042	N 81 E	3·3	62·9	52·0	84·0	+0·4	93·0	51·5	+0·4	37·0	50	− 8	2·4	0·12	−0·16	1	+0·6	0·12
Hoshangabad (b) ...	28·991	−·023	N 63 W	2·9	59·3	52·0	80·7	+1·2	91·0	51·2	−0·4	37·0	58	− 9	3·6	0·06	−0·37	0	−0·7	0·04
Saugor ...	28·147	−·052	S 89 E	3·4	58·5	49·9	71·5	−2·5	87·0	52·6	0	40·0	53	+ 1	4·0	1·21	+0·79	1	+0·4	1·06
Jubbulpore ...	28·628	−·052	S 28 E	1·4	56·8	52·4	76·9	−0·1	88·0	49·3	+2·6	37·0	73	− 1	3·1	1·31	+1·02	3	+2·4	0·64
Seoni (b) ...	27·926	−·044	N 18 E	1·9	60·2	53·5	76·9	−0·8	86·0	51·7	+1·5	40·0	63	+ 1	3·4	2·31	+1·78	3	+2·1	1·76
Nagpur ...	28·964	−·029	N 41 E	5·2	63·7	55·8	81·7	0	89·0	55·1	+0·9	45·0	58	− 2	3·7	2·37	+1·83	2	+1·1	1·51
CENTRAL PROVINCES, EAST																				
Pendra ...	27·935	−·025	N 62 W	2·1	59·1	53·6	73·5	−1·7	83·0	51·5	+1·5	41·0	69	+ 9	3·1	1·87	+1·60	3	+2·5	0·88
Raipur ...	29·010	−·029	N 53 E	1·3	61·2	58·5	80·3	+0·5	88·0	56·6	+2·5	45·0	69	+ 4	2·9	0·16	−0·06	1	+0·6	0·12
Kanker (b) ...	28·667	...	S 37 E	(c) 1·8	64·6	59·6	83·8	...	86·6	54·4	...	38·1	74	...	3·7	0·46	...	2	...	0·20
Chanda ...	29·339	−·042	N 52 W	2·0	65·0	61·5	84·3	+1·6	88·7	57·4	+5·2	44·4	76	+ 3	2·1	1·32	+1·08	2	+1·3	1·04
Jagdalpur ...	28·128	−·040	N 35 W	1·3	59·8	58·1	80·4	+1·2	85·4	51·6	+3·0	42·4	90	+ 8	4·7	0·96	+0·76	2	+1·5	0·67
KONKAN																				
Bombay ...	29·911	−·031	N 52 E	6·0	71·5	65·0	86·0	−0·4	94·0	67·9	−0·6	55·0	69	− 3	0·9	0·86	+0·81	1	+0·9	0·86
Ratnagiri ...	29·705	−·042	N 78 E	6·1	75·3	64·7	87·4	−1·8	96·0	67·8	+0·3	62·0	55	+ 1	0·5	1·46	+1·38	2	+1·8	1·09
Marmagao (b) ...	29·857	−·036	N 36 E	(c) 5·4	...	...	...	...	...	...	..	...	...	...	1·7	0	−0·23	0	−0·4	0
Karwar ...	29·881	−·022	N 23 E	4·5	70·2	66·4	89·2	+1·7	91·4	67·1	+0·6	57·7	81	+ 3	4·1	0	−0·23	0	−0·3	0
BOMBAY DECCAN																				
Malegaon ...	28·535	−·028	S 69 W	2·8	63·0	51·5	85·3	+0·4	93·0	51·3	−0·7	38·0	40	−14	2·7	0	−0·19	0	−0·3	0
Ahmadnagar ...	...	...	S 64 W	3·1	65·8	54·2	85·4	0	88·0	53·7	+1·0	43·1	44	−12	2·0	0·06	−0·35	0	−0·5	0·06
Poona ...	28·121	−·016	E	2·1	65·2	55·9	86·1	+1·4	91·0	54·5	+0·6	47·0	52	− 9	1·9	0·03	−0·13	0	−0·5	0·03
Mahabaleshwar (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·43	...	1	...	0·39
Sholapur ...	28·385	−·023	S 73 E	4·4	70·8	60·2	87·2	+3·1	90·2	61·7	+3·4	49·9	51	+ 1	1·9	0·07	−0·38	0	−0·6	0·07
Bijapur ...	28·012	−·011	S 51 E	2·3	69·8	60·7	85·3	+0·9	88·8	60·8	+3·0	49·0	57	− 8	2·1	0	−0·23	0	−0·5	0
Belgaum ...	27·387	−·019	N 59 W	2·8	67·2	60·0	84·6	+2·8	87·4	60·3	+1·9	52·7	65	+ 5	1·5	0	−0·37	0	−0·5	0
HYDERABAD, NORTH																				
Aurangabad ...	28·063	−·047	N 71 E	5·0	65·3	54·0	83·9	+0·1	89·5	58·4	+3·1	46·3	45	− 4	3·0	0·02	−0·27	0	−0·6	0·02
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·84	0	−1·0	0
Nizamabad ...	28·692	−·022	E	1·7	67·1	59·6	87·3	+3·8	91·8	58·9	+4·8	44·5	63	− 3	1·8	0·15	−0·04	1	+0·6	0·15

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days.

STATION.	PRESSURE. At 8 h., reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·146	−·034	N 83 E	6·1	70·7	60·7	86·6	+1·1	89·9	61·7	+2·2	46·6	55	−5	2·2	0·42	+0·06	1	+0·7	0·24
Raichur ...	28·640	−·021	S 63 E	4·3	73·3	65·8	87·5	+2·6	93·2	65·9	+2·2	57·9	66	+7	0·1	0·04	0·11	0	−0·2	0·04
Hyderabad ...	28·241	−·021	S 82 E	2·6	68·4	62·6	86·3	+3·9	91·5	62·9	+4·6	50·4	71	−1	3·5	0	−0·19	0	−0·4	0
Hanamkonda ...	29·086	−·031	S 39 E	3·9	69·9	64·9	85·6	+2·1	89·7	63·2	+2·3	50·0	75	+11	4·6	2·60	+2·38	2	+1·6	1·67
MYSORE																				
Chitaldrug ...	27·534	−·018	S 69 E	4·4	69·7	64·1	84·8	+2·7	88·9	64·2	+3·0	57·0	73	+6	3·0	0·17	−0·17	1	+0·4	0·17
Bangalore ...	26·951	−·008	N 76 E	5·5	66·9	62·8	81·4	+2·5	85·2	66·3	+1·8	53·9	79	0	4·9	0·53	+0·05	2	+0·7	0·27
Mysore ...	27·423	−·020	N 63 E	5·8	68·4	61·2	83·4	+1·6	86·2	62·6	+2·2	51·4	79	+4	4·5	0·19	−0·18	1	+0·4	0·13
MALABAR																				
Mangalore ...	29·839	−·025	N 81 E	4·1	77·8	70·7	89·3	+0·4	91·0	72·2	+1·8	66·9	69	+2	3·4	0	−0·1	0	−0·7	0
Calicut ...	29·868	−·023	S 88 E	3·3	78·6	72·5	91·2	+4·3	94·4	72·4	+1·3	68·6	73	−6	5·0	0·60	−0·49	1	−0·8	0·60
Cochin ...	29·884	−·019	N 79 E	3·2	79·7	75·1	86·7	−2·0	89·5	74·9	+2·1	71·6	80	+6	3·5	2·16	0·41	4	+1·4	1·28
Trivandrum ...	29·871	−·030	N 73 E	2·7	76·1	73·2	83·0	−0·3	84·7	74·9	+1·1	71·1	86	+6	1·4	3·26	+0·92	6	+2·4	1·59
MADRAS, SOUTHEAST																				
Palmcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·84	+0·84	7	−1·6	2·21
Pamban ...	29·872	−·017	N 20 W	8·2	77·2	74·5	81·9	−0·7	86·3	74·5	0	71·7	86	−2	4·3	11·58	+6·89	15	+5·6	4·96
Madura ...	29·457	−·020	N 11 E	3·2	75·3	70·9	85·7	−0·2	93·3	71·3	+0·9	67·3	75	−1	6·5	3·62	+1·85	4	+0·5	2·80
Nagapattam ...	29·890	−·014	N 12 W	8·8	75·3	73·6	82·2	+0·1	88·3	72·8	+0·5	68·0	85	+2	6·3	11·67	+0·27	11	+1·7	2·87
Trichinopoly ...	29·682	−·017	N 2 E	3·1	73·5	71·7	85·5	+0·1	93·3	69·7	+0·4	61·2	78	+1	5·1	3·91	+1·30	8	+3·4	0·91
Coimbatore ...	28·578	−·025	N 16 E	2·1	72·9	68·2	85·1	+0·4	90·2	67·3	+1·6	62·2	78	−4	4·4	1·31	+0·16	4	+1·4	0·39
Salem ...	29·012	−·020	N 48 E	4·3	74·6	68·6	87·1	+0·9	91·9	66·7	+1·2	60·0	73	−5	3·3	0·61	−0·37	2	−0·2	0·33
Cuddalore ...	29·910	−·006	N 6 W	3·5	74·7	72·3	82·6	−0·2	87·3	71·6	+1·7	65·8	89	+3	6·1	8·19	+0·92	8	+1·8	2·38
Vellore ...	29·228	−·029	N 20 W	2·4	71·4	68·6	83·2	+0·9	87·1	(c) 67·3	+2·8	58·3	86	0	4·8	1·63	−1·08	8	+1·1	0·39
Madras ...	29·913	−·035	N 10 E	7·3	76·5	73·1	83·9	+0·5	85·4	70·3	+1·0	63·6	81	+1	5·0	5·88	+0·97	8	+2·8	1·73
MADRAS, DECCAN																				
Cuddapah ...	29·525	−·027	S 31 E	1·2	74·5	69·8	85·3	−1·2	89·2	68·0	+2·7	58·4	78	+1	3·6	0·63	+0·27	2	+0·5	0·38
Bellary ...	28·480	−·032	S 58 E	2·1	71·2	66·6	87·8	−0·3	89·4	64·1	+2·6	56·1	78	+12	2·3	0·39	+0·14	1	+0·7	0·25
Kurnool ...	29·013	−·041	N 75 E	3·5	71·2	64·7	88·5	+1·8	93·6	64·4	+1·3	50·1	69	−3	3·2	0·02	−0·22	0	−0·4	0·02
MADRAS COAST, NORTH																				
Nellore ...	29·902	−·015	N 10 E	3·0	74·5	72·3	84·8	+0·9	86·9	71·0	+2·9	65·5	89	+3	4·9	1·53	−1·66	5	+1·9	0·56
Masulipatam ...	29·963	−·034	N 11 E	4·6	74·1	70·7	82·6	−0·5	86·1	68·8	+2·3	63·0	84	+3	2·1	0·31	−0·56	1	−0·1	0·21
Cocanada ...	29·956	−·027	N 37 E	6·1	74·2	69·4	81·4	+0·9	83·5	68·1	+2·2	60·6	77	+3	4·1	3·22	+2·35	3	+2·1	1·56
Vizagapatam ...	29·857	−·027	N 15 E	2·9	73·1	68·2	80·8	0	83·5	68·3	+0·2	62·5	78	+15	3·0	3·42	+3·05	2	+1·0	1·88
Calingapatam ...	29·961	−·017	N 29 W	5·2	76·3	67·1	89·4	−0·5	86·9	65·2	+3·6	55·7	80	+5	2·2	0·91	−0·07	1	+0·2	0·91
Gopalpur ...	29·955	−·018	N 15 E	5·7	61·4	66·2	89·7	+0·8	84·2	64·0	+3·0	51·6	82	+5	2·7	0·05	−0·85	0	−0·9	0·30
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Mahabaleshwar ...	26·467	+·003	S 15 W	1·2	54·8	53·6	71·0	+4·5	77·3	56·4	+2·0	38·9	92	−1	2·5	0	0·61	0	−1·2	0
Shillong ...	25·153	−·015	S 65 E	1·9	50·7	45·4	60·5	−1·1	66·6	39·7	(c)	29·4	68	−4	3·9	0·29	+0·10	2	−1·0	0·11
Cherrapunji ...	25·708	−·015	N 52 E	3·9	54·9	48·5	60·3	−1·6	65·5	47·5	+0·1	38·8	61	−4	3·8	0·62	+0·21	1	+0·3	0·35
Darjiling ...	22·935	−·026	N 27 E	1·9	43·0	38·0	45·1	−2·3	54·9	35·1	−0·6	23·0	85	+9	5·5	0·81	+0·57	2	+1·4	0·44
Makteswar ...	22·810 (g)	−·037	S 18 W (f)	5·2 (f)	5·... (f)	(l) 35·5 (m)	40·6 (f)	−13·4	55·0	35·4 (f)	−2·6	29·9	(l) 59 (g)	+18	5·4 (f)	4·37	+3·68	7	+5·6	1·01
Mussoorie (a) ...	23·282	...	N 32 E	1·5	35·5	36·2	44·6	...	57·0	35·2	...	25·0	74	...	4·8	6·17	+5·01	8	+6·4	1·64
Chakrata ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Simla ...	23·074	−·043	S 48 E	4·2	57·2	(m) 35·2	44·4	−5·4	59·0	33·7	−5·6	24·0	(o) 52	+13	4·6	3·55	+2·44	7	+5·0	1·60
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·86	...	5	...	1·20
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15·31	...	11	...	5·79
Murree (c) ...	...	...	S 47 E (h)	4·7 (c)	29·1	(k) 36·6 (n)	42·3	−8·3	60·0	34·1	−4·5	25·0	(k) 65 (i)	+18	3·9	4·88	+3·31	9	+6·2	1·91
Cherat ...	25·734	−·056	N 12 W	7·7	40·8	39·7	47·0	−7·2	63·5	37·6	−4·5	25·9	76 (t)	+32	3·6	3·64	+2·18	7	+5·1	1·13
Parachinar (b) ...	24·430	−·063	N 79 W	3·3	33·8	...	49·6	−4·7	65·0	30·1	−2·1	18·0	66 (o)	...	5·2	1·89	+0·72	4	+0·8	0·60
Drosh ...	...	...	E	2·3	32·8	...	43·8	−7·5	60·0	31·8	−3·2	23·8	88	+24	5·6	2·32	+1·35	7	+3·8	0·79
Mount Abu ...	26·073	−·040	N 8 W	3·1	57·9	45·5	65·4	−2·8	77·0	48·8	−4·1	31·0	36	−6	3·6	0·50	+0·38	1	+0·7	0·34
Pachmarhi ...	26·498	−·026	S 8 E	1·6	58·1	51·4	71·1	+9·3	79·0	45·7	−0·1	34·0	64	0	4·6	0·72	+0·26	3	+2·3	0·33
Mercara ...	26·212	−·001	N 62 E	4·8	63·4	60·4	76·5	+1·3	79·8	58·8	+1·3	52·3	84	0	5·1	0·09	−0·65	0	−1·1	0·07
Kodaikanal ...	22·791	−·031	N 79 E	7·7	54·4	48·7	60·9	−1·4	66·9	47·3	−0·3	42·2	69	+4	4·8	6·94	+2·52	12	+5·0	1·76
Coonoor ...	24·466	...	S 69 E	3·4	58·2	(h) 52·4	66·1	...	71·9	48·9	...	35·1	73	...	4·6	9·24	...	12	...	2·41
CEYLON																				
Colombo ...	29·856	−·016	N 45 E	2·4	72·0	70·6	85·2	−1·4	89·1	71·2	−1·4	64·7	93	+9	7·9	5·01	−0·47	13	+5·5	0·82

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (f) Mean of 26 days. (h) Mean of 24 days. (i) Mean of 23 days.
(k) Mean of 21 days. (l) Mean of 20 days. (n) Mean of 16 days. (o) Mean of 17 days. (q) Mean of 15 days. (t) Mean of 12 days.

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