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# Weather Review—JUNE 1937.

## RAINFALL DATA

Division	Station	Actual for month	Depart- ure from normal @	Total since January 1st	Division	Station	Actual for month	Depart- ure from normal @	Total since January 1st
Circars	Gopalpore	2.9	-2.9	15.0	South	Negapatam	...	-1.3	8.9
	Calingapatam	2.9	-1.8	9.9		Aduthurai *	1.80	+0.5	6.0
	Vizagapatam	2.1	-2.8	10.0		Madura	0.20	-1.2	2.5
	Anakapalli *	2.6	-2.5	14.8		Pamban	...	-0.1	10.8
	Samalkota *	1.2	-3.6	10.6		Koilpatti	0.1	-0.4	7.7
	Maruteru *	1.2	-2.4	5.6		Palamkottah	...	-0.6	6.8
	Cocanada	3.7	-0.8	10.9	West Coast	Trivandrum	6.0	-7.4	22.7
	Masulipatam	1.4	-3.1	6.8		Cochin	23.7	-4.8	39.1
	Guntur *	0.7	-2.8	4.5		Calicut	23.7	-10.4	34.4
Ceded Dists.	Kurnool	1.5	-1.4	5.9		Pattambi *	18.0	-6.4	25.3
	Nandyal *	3.7	-1.0	10.8		Taliparamba *	...	...	...
	Hagari *	0.2	-2.0	4.5		Kasargode *	36.7	-1.7	47.9
	Bellary	...	-1.9	5.8		Nileshwar *	28.6	-13.2	36.2
	Anantapur	3.8	+1.8	10.1		Mangalore	34.5	-2.3	41.9
	Rentachintala	5.6	...	12.4	Mysore and Coorg	Chitaldrug	0.8	-2.0	3.6
	Cuddapah	2.0	-0.9	7.3		Bangalore	3.0	+0.2	16.5
	Anantharaju- pet *	1.1	-2.8	5.7		Mysore	1.6	-1.3	16.9
Carnatic	Nellore	0.6	-0.7	30.5		Mercara	17.1	-5.2	28.7
	Madras	1.7	-0.2	4.4	Hills	Kodaikanal	3.3	-0.8	22.1
	Palur *	0.1	-1.8	4.2		Coonoor	3.5	...	28.3
	Tindivanam *	0.3	-1.9	3.7		Ootacamund *	4.1	-1.0	20.3
	Cuddalore	0.3	-1.3	3.9		Nanjanad *	3.9	-4.2	15.8
Central	Vellore	3.6	+1.3	8.7					
	Salem	4.6	+1.5	10.1					
	Hosur *	2.09	-0.8	17.36					
	Coimbatore	0.3	-1.4	7.1					
	Coimbatore								
	A. C. & R. I. *	0.2	-1.2	10.0					
	Trichinopoly	1.0	-0.4	10.8					

\* Meteorological Stations of the Madras Agricultural Department.

@ From average rainfall for the month calculated upto 1935 published in Fort St. George Gazette.

The Bay of Bengal branch of the monsoon which was active in the neighbourhood of Ceylon and in the south and central Bay in the beginning of the first week became active and strong later, and caused widespread thunder rains in north east India. The Arabian Sea branch of the monsoon, which made a feeble advance in the beginning of the first week on the Malabar Coast, became established during the second week and remained active till the end of the month in Malabar, Kanara and Konkan.

Fairly widespread thundershowers have occurred in South Deccan, Mysore, South Madras Coast, North Madras Coast, Malabar, Konkan, and in the interior of the Peninsula, during the second and third week of the month.

Rainfall was in large defect throughout the Peninsula and markedly so in the Circars, the Ceded Districts and the West Coast.

The chief falls reported were:—

Kasargode	5.05"
Cochin	5" (on 3rd June).



## Weather Report of the Research Institute Observatory.

Report No. 6/37.

Absolute maximum in shade ...	95° F.
Absolute minimum in shade ...	71.0° F.
Mean maximum in shade ...	89.2° F.
Departure from normal ...	Nil.
Mean minimum in shade ...	75.8° F.
Departure from normal ...	+2.7° F.
Total rainfall for the month ...	0.24"
Departure from normal ...	-1.1"
Heaviest fall in 24 hours ...	0.08"
Total number of rainy days ...	2 days.
Mean daily wind velocity ...	6.0 m. p. h.
Mean humidity at 8 hours ...	68.5%
Departure from normal ...	-0.8%

**Summary.** Rainfall was in large defect. The appearance of the monsoon was noticed in the beginning of the month but was not active. The mean minimum was in excess by 2.7° F while the mean maximum and humidity were about the normal. Skies were heavily clouded.

P. V. R. &amp; P. G.

## JULY 1937.

## RAINFALL DATA

Division	Station	Actual for month	Departure from normal	Total since January 1st @	Division	Station	Actual for month	Departure from normal	Total since January 1st
Circars	Gopalpore	7.6	+0.7	22.6	South	Negapatam	0.8	-1.1	9.7
	Calingapatam	4.9	-0.4	14.8		Aduthurai *	0.3	-1.1	6.2
	Vizagapatam	1.5	-3.0	11.5		Madura	Nil.	-1.9	2.5
	Anakapalli *	5.0	-0.4	19.8		Pamban	0.2	-0.4	11.0
	Samalkota *	5.5	-1.8	16.1		Koilpatti	0.1	-0.6	7.8
	Maruteru *	4.2	-4.5	9.9		Palamkottah	0.1	-0.3	6.9
	Cocanada	6.3	+0.5	17.2	West Coast	Trivandrum	11.0	+3.6	33.7
	Masulipatam	7.1	+0.7	13.9		Cochin	45.0	+22.2	84.1
	Guntur *	9.2	+3.4	13.6		Calicut	59.0	+28.8	93.4
Ceded Dists.	Kurnool	6.2	+1.4	12.1		Pattambi *	32.3	+7.5	57.6
	Nandyal *	7.5	+2.1	18.2		Taliparamba *	...	...	...
	Hagari *	1.1	-1.1	5.6		Kasargode *	78.0	+39.6	126.0
	Bellary	1.5	-0.4	7.3		Nileshwar *	78.4	+37.8	114.6
	Anantapur	1.7	-1.7	11.8		Mangalore	65.6	+28.5	107.5
	Rentachintala	4.9	...	17.3	Mysore and Coorg	Chitaldrug	2.3	-0.7	5.9
	Cuddapah	2.5	-1.4	9.8		Bangalore	3.7	-0.4	20.2
	Anantharajupet *	6.6	+4.3	13.3		Mysore	2.1	-0.4	19.0
Carnatic	Nellore	3.1	+0.3	33.6		Mercara	57.7	+16.8	86.4
	Madras	3.6	-0.3	8.0	Hills	Kodaikanal	3.4	-1.6	25.5
	Palur *	2.5	-0.1	6.8		Coonoor	3.4	...	31.7
	Tindivanam *	1.7	Nil	5.3		Ootacamund *	8.5	+2.7	28.8
	Cuddalore	2.2	-0.9	6.1		Nanjanad *	9.5	-1.7	25.3
	Vellore	1.9	-3.4	10.6	Central				
Central	Salem	1.7	-2.1	11.8					
	Hosur *	1.9	-0.9	19.3					
	Coimbatore	1.0	-0.5	8.1					
	Coimbatore								
	A. C. & R. I. *	1.5	+0.2	11.5					
	Trichinopoly	0.7	-0.9	11.5					

\* Meteorological Stations of the Madras Agricultural Department.

@ From average rainfall for the month calculated upto 1935 published in Fort St. George Gazette.



Both the Arabian Sea and the Bay of Bengal branches of the monsoon were generally active throughout the month.

The monsoon was vigorous in Malabar, North Madras coast and South East Madras. Thunder showers occurred during the second week of the month at many places in the central part of the country.

On the 2nd, conditions became unsettled in the north-west angle of the Bay of Bengal, became less marked on the 3rd, and disappeared the next day,

A depression formed on the 11th off Puri. This depression moved on to Raipur and took a northerly course and then a north-westerly direction and filled up over Kotak on the 16th. This depression caused heavy rainfall along its track.

A third depression of the Bay of Bengal formed on the 22nd and moving in a north-westerly direction crossed the coast near Chandbali and Balasore on the 24th lay as a deep depression over the Central Provinces on the 25th and filled up on the 27th after causing heavy rainfall along its track.

The rainfall was markedly above normal in the West Coast and the Hills. It was in moderate excess in parts of the Ceded Districts and was below normal in the Central and Southern districts.

The chief falls recorded were:—

Mangalore	5.50" on the 2nd.
Mercara	5.30" " 12th.
Kasargod	6.95" " "
Nileshwar	8.38" " "
Calicut	10.00" " 18th.

The maximum temperatures were below normal in most places and normal in others; the highest temperature recorded being 102°F at Madura, Nellore, Cuddalore and Rentachintala.

#### Weather Report of the Research Institute Observatory.

Report No. 7/37.

par- ire om mal @	Total since January 1st
1.1	9.7
1.1	6.2
1.9	2.5
0.4	11.0
0.6	7.8
0.3	6.9
3.6	33.7
22.2	84.1
28.8	93.4
7.5	57.6
39.6	126.0
37.8	114.6
28.5	107.5
0.7	5.9
0.4	20.2
0.4	19.0
16.8	86.4
1.6	25.5
...	31.7
2.7	28.8
1.7	25.3

Absolute maximum in shade	...	90.8°F.
Absolute minimum in shade	...	68.5°F.
Mean maximum in shade	...	85.3°F.
Departure from normal	...	-1.8°F.
Mean minimum in shade	...	74.6°F.
Departure from normal	...	+2.6°F.
Total rainfall for the month	...	1.47"
Departure from normal	...	+0.2"
Heaviest fall in 24 hours	...	0.6" recorded on 22nd.
Total number of rainy days	...	5
Mean daily wind velocity	...	5.4 m. p. h.
Mean humidity at 8 hours	...	72%
Departure from normal	...	+0.6%

**Summary.** The monsoon was generally active. The rainfall recorded was slightly in excess of the normal. The heaviest rainfall was recorded on the 22nd. The skies were heavily clouded and the mean humidity was slightly above the normal. The mean maximum temperature was below normal by 1.8°F while the mean minimum was 2.6°F above the normal.

P. V. R. & F. L. D.