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## RAINFALL ABNORMALITIES, WEEK BY WEEK, IN INDIA DURING 1951 TO 1955

Govindaswamy (1953) presented diagrams showing abnormalities of weekly rainfall in the various sub-divisions of pre-partitioned India as well as the frequencies of the number of consecutive weeks for which the rainfall over a sub-division had been normal or abnormal. Abnormalities were classified as 'Flood' if the actual rainfall of the week was equal to or more than twice the normal and 'Drought' if the actual rainfall was equal to or less than half the normal. Weeks with rainfall within the limits mentioned above were classified as 'Normal'. The wet season

was defined as weeks with normal weekly rainfall more than  $0\cdot 2$  inch and was indicated by the vertical lines. The above paper was based on data for the period 1908 to 1950.

Since the publication of the above paper data for the years 1951 to 1955 have become available. In Fig. 1 (pp. 291-92) and Table 1, information about the occurrence of 'Flood', 'Drought' and 'Normal' weeks for the 24 rainfall sub-divisions of India for the years 1951 to 1955 are presented adopting the same criteria as in the earlier paper mentioned above.

The series could not be continued beyond 1955 due to the re-organisation of States and consequent changes in the geographical boundaries of the rainfall sub-divisions.

Meteorological Office, Poona November 25, 1961 T. S. GOVINDASWAMY

REFERENCE

Govindaswamy, T. S.

1953 J. cent. Bd. Irrig. Pwr., 10, 2 and 3.

TABLE 1

Frequency of normal and abnormal spells during the period 1951 to 1955

Sub-divisions	Spells		Duration of continuous spell in weeks													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Assam	(a)	28	8	9	2	2	1	1					1		1	
	(b)	14	3													
	(c)	19	11	5	1				1							
West Bengal	(a)	17	13	6	3	2		3								
	(b)	14														
	(c)	24	13	5	3											
Orissa	(a)	31	6	6	2				1			1	1			
Orissa	(b)	22	3													
	(c)	18	18	4	1		2									
Chota Nagpur	(a)	16	6	5	4	1	2	1								
Chota riagpar	(b)	12	1													
	(c)	21	9	2	1	3										

TABLE 1 (contd)

			- (-0.000)													
Sub-divisions	Spells		Duration of continuous spell in weeks													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Bihar .	(a)	17	11	4		1		1	2							
	(b)	7														
	(c)	21	6	4	1											
Uttar Pradesh, East	(a)	19	4	1	1	1	1		1							
	(b)	11		1		1										
	(c)	11	6	2	1	2										
Uttar Pradesh, West		0.4														
Cotar Frauesi, West	(a)	24	1	1	1	2		1		1					7,0	
	(b)	13	5	1												
	(c)	12	. 0	3	2		1									
Punjab (I)	(a)	21	6	4	2		1									
	(b)	10	6													
	(c)	8	8	5		4										
Rajasthan, West	(a)	13	2	1	1											
Self-Market	(b)	4		2	1											
	(c)	8	4	2	1	2	1									
Rajasthan, East	(a)	8	5	2	2		1									
HORA H	(b)	4	3	1	2		1									
	(c)	12	1	2	1	2										
Gujarat			1													
Gujaras	(/	10	4	1	2											
	(b)	8	,	9		0										
	(c)	0	1	3		2		3								
Central India (W)	(a)	8	4	4	2											
	(b)	3	1	2												
	(c)	8	6	2		1		2								
Central India (E)	(a)	14	5	1	1		3									
	(b)	7	2													
	(c)	12	7	2	2											
Madhya Pradesh, West	(a)	14	4	2	1	3		1								
J 17 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(b)	6	1	1		0		1								
	(c)	11	4	5	4											
Madhya Pradesh, East	(a)	17	7	2	4	3	1									
	(b)	8	1	1												
	(c)	16	6	2	1	2	5									

## LETTERS TO THE EDITOR

TABLE 1 (contd)

Sub-divisions	Spells Duration of continu									ous epell in weeks							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Konkan	(a)	18	9	3	1	1											
	(b)	12	4	2													
	(c)	10	9	3	2	1											
Bombay Deccan	(a)	16	6	1	2	2	1	1									
	(b)	11	5	1													
	(c)	10	8	6													
Hyderabad, North	(a)	16	5	3		1	1										
nyderabad, North	(b)	19		1													
	(c)	13	10	3	1		1										
Hyderabad, South	(a)	20	10	4	1												
Hyderabad, South	(b)	26	1														
	(c)	14	9	2	3												
Mysore	(a)	21	11	3	1			1									
stysne	(b)	16	7	1													
	(e)	16	6	6	4	1		1									
Malabar	(1)	23	9	9	2	1											
Stata oat	(b)	19	5	1													
	(c)	18	10	$_{\rm s}$	1	2	1										
Tamilnad	(a)	32	11	1	5	1		à									
T willillage	(b)	21	4														
	(e)	28	7	6	$\overline{2}$	5	1										
Rayalaseema	(a)	26	5		1	2											
Nayatasoonia	(b)	11	3	1													
	()	1.1	8	$\bar{5}$	6	3											
Coastal Andhra Desa	(a)	25	4	3	1	2	1					1					
CORSTAL AUGULA DOSA	(b)	18	2														
	(c)	20	5	1	2	1	3										

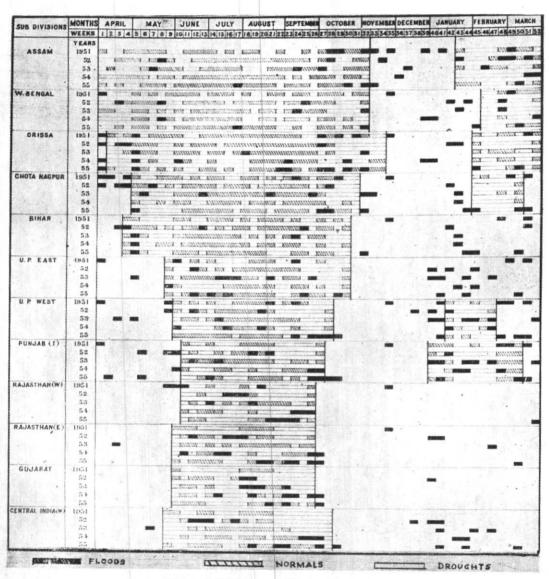


Fig. 1. Rainfall abnormalities week by week

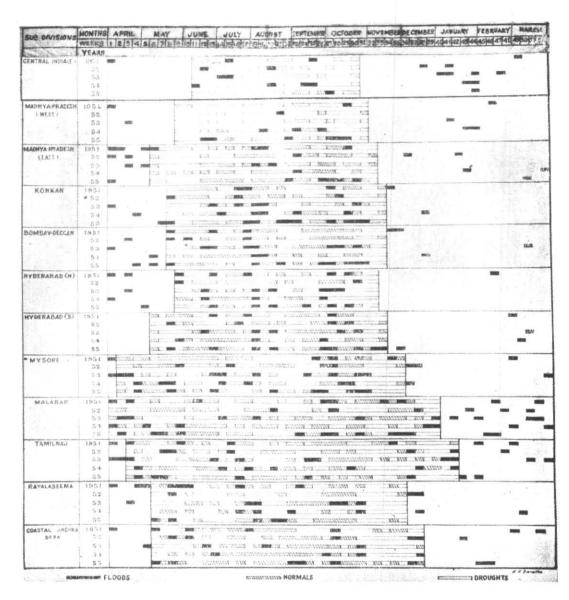


Fig. 1. Rainfall abnormalities week by week