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1964

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 1st January, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN:—Weather continued to be dry over the province during the week except on the last day when a few falls of light rain or drizzle occurred in Dacca and Chittagong divisions in association with the approach of a feeble western disturbance which lay over West Bengal on the last day of the week.

Night temperatures were slightly above normal in Chittagong and Khulna divisions on the 27th in Rajshahi and Chittagong divisions on the 28th and practically over the whole province during the last four days of the week.

WEST PAKISTAN:—A western disturbance moved across north of West Pakistan while its associated trough moved across north Arabian Sea to Rajasthan between the 27th and the 30th. Under its influence fairly widespread rain or thundershowers occurred in Lahore and Rawalpindi divisions and scattered to local in Sargodha, Multan, Bahawalpur, Peshawar and Quetta divisions on the 29th, in Kalat division on the 28th and in Peshawar and Rawalpindi divisions on the 30th. A few falls of light rain or drizzle were also reported from Quetta and Kalat divisions on the 27th, from Multan, Bahawalpur, Quetta and Khairpur divisions on the 28th and from D. I. Khan, Karachi and Khairpur divisions on the 29th. Snow also fell over the hills of Peshawar and Rawalpindi divisions on the next day.

Chief amounts of rainfall recorded were: Jiwani 1" on the 28th and Kakul $\frac{3}{4}$ " on the 29th.

Night temperatures were appreciably to markedly below normal in Quetta and Kalat divisions on the 30th and slightly to appreciably so in northern and the central divisions on the 31st and the 1st and in Sargodha, Multan and Bahawalpur divisions on the 26th and the 27th. These were slightly to appreciably above normal in the central and the southern divisions on the 28th and in most of the northern and central divisions on the 29th and the 30th.

2. CHITTAGONG DIVISION :

 Dacca Division :

 Khulna Division :

 Rajshahi Division :

 Kashmir :

 Lahore Division :

 Rawalpindi Division :

 Sargodha Division :

 Multan Division :

 Bahawalpur Division :

 Peshawar Division :

 D. I. Khan Division :

 Quetta Division :

 Kalat Division :

 Karachi Division :

 Hyderabad Division :

 Khairpur Division :

 Junagadh :

Weather remained mainly dry during the week.

Data not available.

Fairly widespread rain fell on one day.

Rainfall was fairly widespread and scattered on one day each.

Local rain fell on one day.

Scattered rain fell on one day.

Local rain fell on two days.

Weather remained mainly dry.

Scattered rain fell on one day.

Weather remained mainly dry.

Weather remained dry.

Weather remained mainly dry.

Data not available.

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3. Based on the data of stations having normals, the week's rainfall was in excess in Multan and Bahawalpur divisions, normal in Sargodha division, deficient in Lahore, Rawalpindi and Quetta divisions and scanty in Peshawar division whereas no rain fell elsewhere over the country.

Rainfall for the period from 1st November, 1963 to-date was in large excess in Rawalpindi, Sargodha, Bahawalpur, Peshawar and Hyderabad divisions, in excess in Multan division, normal in Dacca, Rajshahi, Lahore and Karachi divisions, deficient in Quetta division and scanty elsewhere over the country.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

Karachi—11
The 1st January, 1964.

K. U. SIDDIQI
for Director, Meteorological Service.

National Oceanic and Atmospheric Administration
Climate Database Modernization Program

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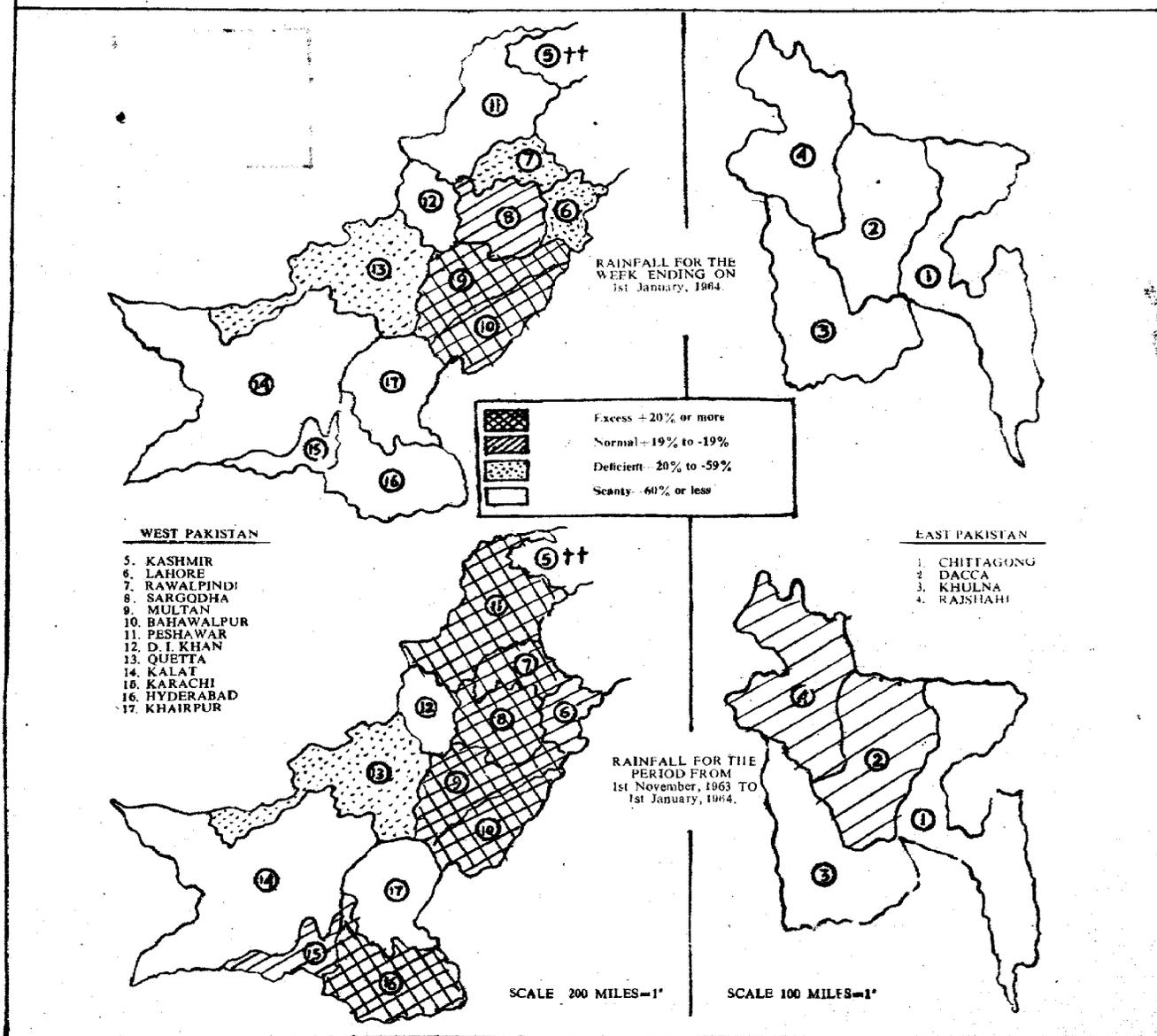
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WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 1st January, 1964.			Rainfall for Period from 1st November 1963 to 1st January, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0	0	0.4	2.4	- 2.0	- 84
2. Dacca	0	0	0	1.0	1.2	- 0.2	- 19
3. Khulna	0	0	0	0.4	1.4	- 1.0	- 73
4. Rajshahi	0	0	0	0.6	0.7	- 0.1	- 18
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.1	0.2	- 0.1	0.9	0.8	+ 0.1	+ 18
7. Rawalpindi	0.3	0.5	- 0.2	3.8	2.1	+ 1.7	+ 83
8. Sargodha	0.1	0.1	0	1.1	0.5	+ 0.7	+ 140
9. Multan	0.3	0.4	+ 0.3	0.4	0.3	+ 0.1	+ 21
10. Bahawalpur	0.1	0	+ 0.1	0.5	0.3	+ 0.3	+ 116
11. Peshawar	0.1	0.4	- 0.4	3.2	1.5	+ 1.7	+ 110
12. D. I. Khan	0	0.2	- 0.2	0.1	0.6	- 0.6	- 91
13. Quetta	0.1	0.2	- 0.1	0.6	1.1	- 0.5	- 42
14. Kalat	0	0.2	- 0.2	0.2	1.1	- 0.9	- 84
15. Karachi	0	0.2	- 0.2	0.6	0.5	+ 0.1	+ 12
16. Hyderabad	0	0.1	- 0.1	1.0	0.3	+ 0.7	+ 263
17. Khairpur	0	0	0	0.1	0.3	- 0.2	- 68
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their Percentages, Rainfall figures are taken correct to '0.01'
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 8th January, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Weather remained dry in the province during the week.

Night temperatures were appreciably Rajshahi division on the 5th and appreciably so in the province during the first two days of the week.

WEST PAKISTAN: Two active western disturbances moved across the northern parts of the province during the last four days of the week. These caused generally widespread rain or thundershowers with snowfalls in the hills, in Quetta and Kalat divisions between the 5th and the 7th, in Rawalpindi, Sargodha, Peshawar and D. I. Khan divisions on the 6th and the 7th and in Lahore and Rawalpindi divisions on the 8th. Scattered to local rain also fell in Lahore and Multan divisions on the 6th and the 7th, in Peshawar and Khairpur divisions on the 5th and in Sargodha, Multan, Bahawalpur, Peshawar, Quetta, Kalat and Khairpur divisions on the last day of the week. Rainfall was heavy at a few places in Rawalpindi, D. I. Khan, Quetta and Kalat divisions on the 7th and in Rawalpindi and Peshawar divisions on the 8th. These heavy falls caused breaches in rail tracks between Quetta and Fort Sandeman and also between Quetta and Zahedan. Earlier during the week scattered rain fell in Peshawar division on the 3rd and light rain or drizzle was also reported from Kalat and Rawalpindi divisions on the 2nd and 4th respectively.

Chief amounts of rainfall during the week were: Nokkundi 2" and Hindubagh, Chaman and Kalat 1½" each on the 6th; Murree, Nushki and Kalat 2" each and Rawalpindi, Cherat and Panjgur 1½" each on the 7th and Murree 3", Kakul 2" and Campbellpur, Haripur and Sukkur 1½" each on the 8th.

Night temperatures were generally appreciably to markedly above normal in the province during the last four days of the week and slightly above normal in Kalat, Karachi, Hyderabad, Multan and Lahore divisions on the first three days of the week.

2 CHITTAGONG DIVISION :

DACCA DIVISION :

KHULNA DIVISION :

RAJSHAHI DIVISION :

KASHMIR :

LAHORE DIVISION :

RAWALPINDI DIVISION :

SARGODHA DIVISION :

MULTAN DIVISION :

BAHAWALPUR DIVISION :

PESHAWAR DIVISION :

D. I. KHAN DIVISION :

QUETTA DIVISION :

KALAT DIVISION :

KARACHI DIVISION :

HYDERABAD DIVISION :

KHAIRPUR DIVISION :

JUNAGADH :

Weather remained dry during the week.

Data not available.

Rainfall was widespread on one day and local on two days.

Widespread rain fell on three days.

Fairly widespread rain fell on two days and local on one day.

Rainfall was fairly widespread on one day and local on two days.

Local rain fell on one day.

Rainfall was widespread and local on two days each and scattered on one day.

Widespread rain fell on one day and fairly widespread on another day.

Rainfall was fairly widespread on three days and scattered on one day.

Widespread rain fell on two days and local and scattered on one day each.

Weather remained mainly dry during the week.

Rainfall was fairly widespread and scattered on one day each.

Data not available.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Lahore, Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar, D. I. Khan, Quetta, Kalat and Khairpur divisions and scanty in Karachi division whereas no rain fell in Hyderabad division and in East Pakistan.

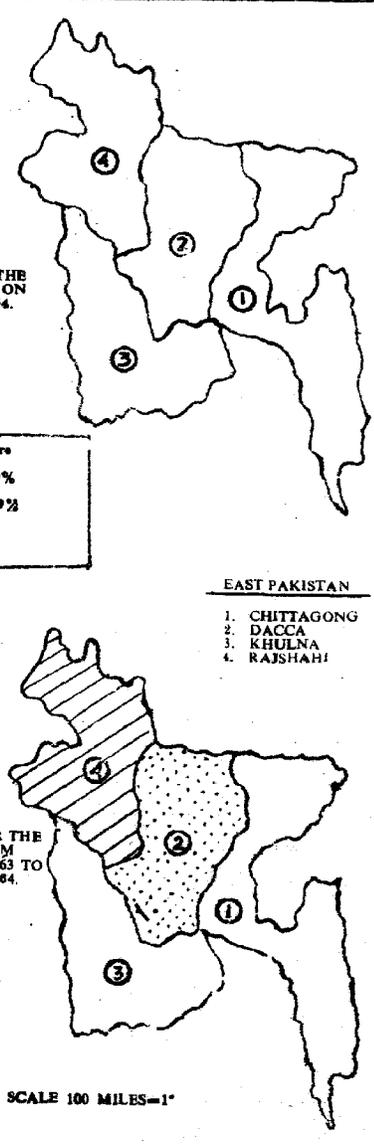
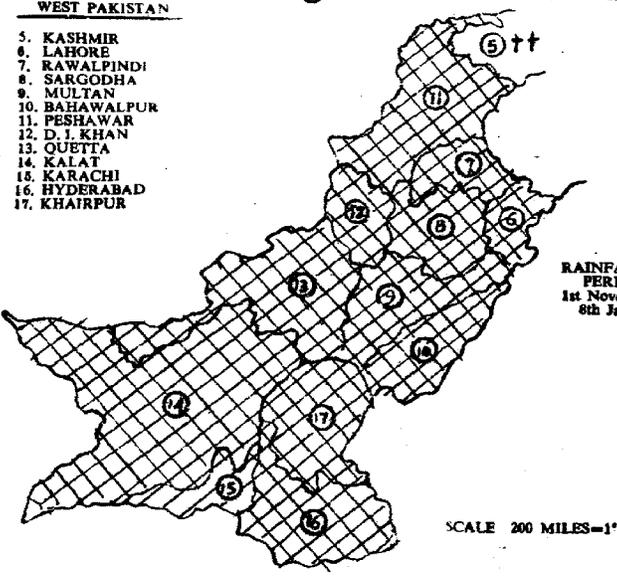
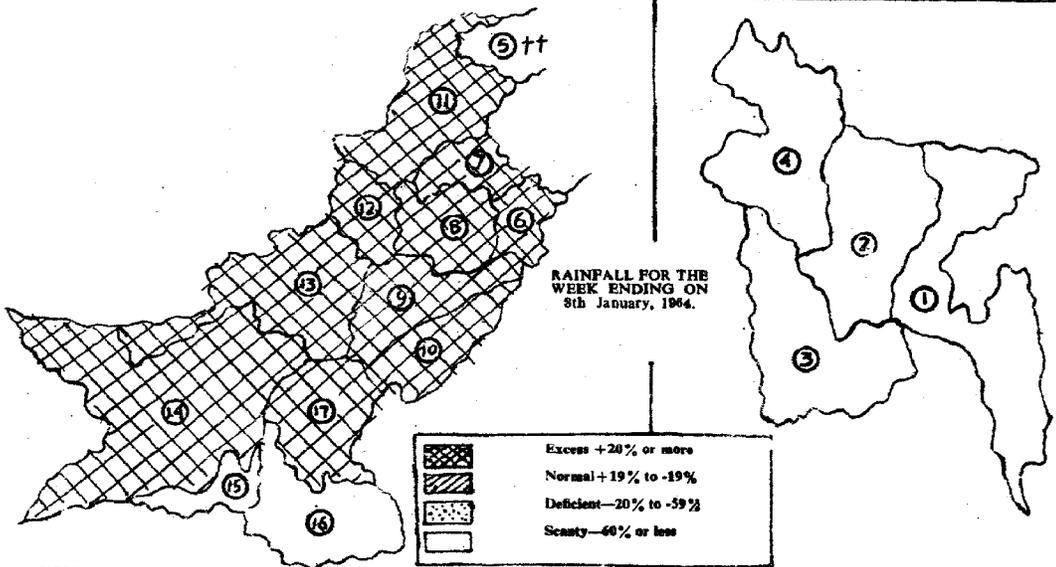
Rainfall for the period from 1st November, 1963 to-date was in large excess in Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar, D. I. Khan, Quetta, Kalat, Hyderabad and Khairpur divisions, in excess in Lahore division, normal in Rajshahi and Karachi divisions, deficient in Dacca division and scanty in Chittagong and Khulna divisions.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 8th January, 1964.			Rainfall for Period from 1st November, 1963 to 8th January, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per Cent
1. Chittagong	0	0.1	- 0.1	0.4	2.5	- 2.1	- 84
2. Dacca	0	0	0	1.0	1.3	- 0.3	- 22
3. Khulna	0	0.1	- 0.1	0.4	1.5	- 1.1	- 74
4. Rajshahi	0	0	0	0.6	0.7	- 0.1	- 19
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.7	0.2	+ 0.4	1.6	1.0	+ 0.6	+ 58
7. Rawalpindi	4.6	0.5	+ 4.1	8.5	2.6	+ 5.9	+ 182
8. Sargodha	0.6	0.1	+ 0.5	1.7	0.5	+ 1.2	+ 233
9. Multan	0.5	0	+ 0.4	0.9	0.4	+ 0.5	+ 135
10. Bahawalpur	0.3	0	+ 0.3	0.8	0.3	+ 0.6	+ 228
11. Peshawar	1.4	0.3	+ 1.1	4.6	1.8	+ 2.8	+ 156
12. D. I. Khan	1.3	0.1	+ 1.3	1.4	0.7	+ 0.7	+ 94
13. Quetta	1.7	0.2	+ 1.5	2.4	1.3	+ 1.1	+ 90
14. Kalat	2.6	0.3	+ 2.4	2.8	1.4	+ 1.5	+ 107
15. Karachi	0	0.2	- 0.2	0.6	0.7	- 0.1	- 15
16. Hyderabad	0	0	0	1.0	0.3	+ 0.7	+ 250
17. Khairpur	0.9	0	+ 0.9	1.0	0.2	+ 0.8	+ 364
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their Percentages, Rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 15th January, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: A feeble western disturbance, while moving away eastwards across the northern areas of the province, caused scattered rain or thundershowers in Chittagong division on the 12th and in Chittagong, Dacca and Rajshahi divisions on the 13th. Light rain also fell in Rajshahi division on the last day of the week. Sylhet recorded $\frac{1}{8}$ " of rainfall on the 12th.

Night temperatures were appreciably to markedly above normal in the province between the 11th and the 14th and slightly to appreciably so during the rest of the week.

WEST PAKISTAN: Last week's western disturbance over the northern areas of West Pakistan moved away northeast-wards on the first day of the week. It caused widespread rain or thundershowers in Lahore division and local or scattered in Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar and Khairpur divisions the same day. Light rain also fell in Quetta division on the 9th and in D. I. Khan division on the 10th. A westerly trough thereafter moved across the northern areas of the province. Under its influence scattered rain or snow fell in Rawalpindi and Peshawar divisions between the 10th and the 13th and light rain in Quetta division on the 11th. Towards the end of the week a western disturbance moved across East Russian Turkistan while it associated trough moved north-eastwards from Afghanistan to Kashmir. The system caused widespread rain or thundershowers in Lahore and Rawalpindi divisions and scattered to local in Bahawalpur and Peshawar divisions on the last day of the week and only in Peshawar division on the 14th. The hills of Rawalpindi and Peshawar divisions experienced a few snowfalls on these days. According to newspaper reports Rawalpindi was hit by a hailstorm on the 12th afternoon while on the 14th snow fell over there for the first time in the last four decades. Mangla and Risalpur also reported snowfall on the 14th. A cold wave affected the province, specially the northern areas, in the wake of this system. The lowest minimum temperature of -2°F (-19°C) was recorded at Kalat (H. S.) on the 12th and 26°F (-3°C) at Peshawar (P. S.) on the 15th.

Chief amounts of rainfall recorded during the week were:—Lahore, Murree and Montgomery $\frac{1}{2}$ " each on the 9th; Kakul $\frac{1}{2}$ " on the 11th and Campbellpur $1\frac{1}{2}$ ", Parachinar $\frac{3}{4}$ " and Sialkot and Jhelum $\frac{1}{2}$ " each on the 15th.

Night temperatures were markedly to considerably below normal in Rawalpindi, Peshawar, D. I. Khan, Quetta and Kalat divisions and appreciably to markedly so elsewhere in the province on the last day of the week. These were appreciably to markedly below normal generally over the province on the 13th and the 14th and only in Rawalpindi, Peshawar, Kalat and Karachi divisions on the 11th and the 12th.

2. CHITTAGONG DIVISION :	Rainfall was scattered on two days.
DACCA DIVISION :	Scattered rain fell on one day.
KHULNA DIVISION :	No rainfall during the week.
RAJSHAHI DIVISION :	Rainfall was scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Rainfall was widespread on two days.
RAWALPINDI DIVISION :	Widespread, local and scattered rainfall on one day each.
SARGODHA DIVISION :	} Local rain fell on one day.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	Rainfall was scattered on two days.
PESHAWAR DIVISION :	Local rain fell on one day and scattered on five days.
D. I. KHAN DIVISION :	} Weather remained mainly dry during the week.
QUETTA DIVISION :	
KALAT DIVISION :	} No rain fell during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	Scattered rain fell on one day.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Dacca, Lahore, Multan and Bahawalpur divisions; normal in Rawalpindi and Sargodha divisions; deficient in Rajshahi and Peshawar divisions and scanty in Chittagong and D. I. Khan divisions whereas no rain fell elsewhere over the country.

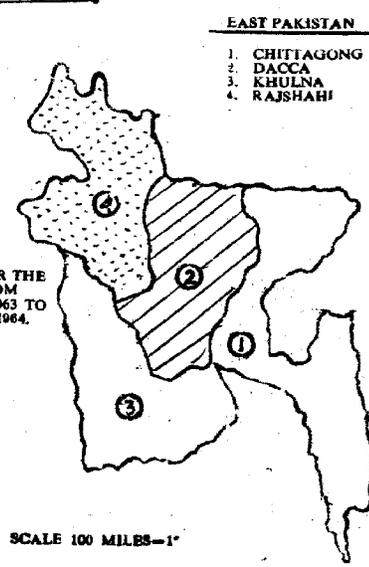
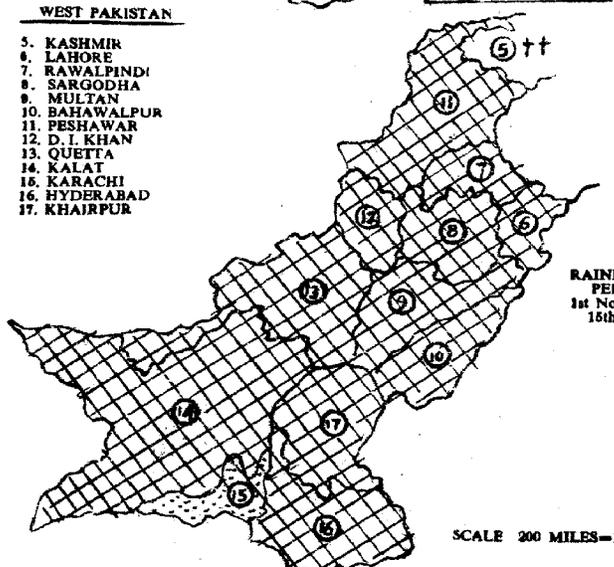
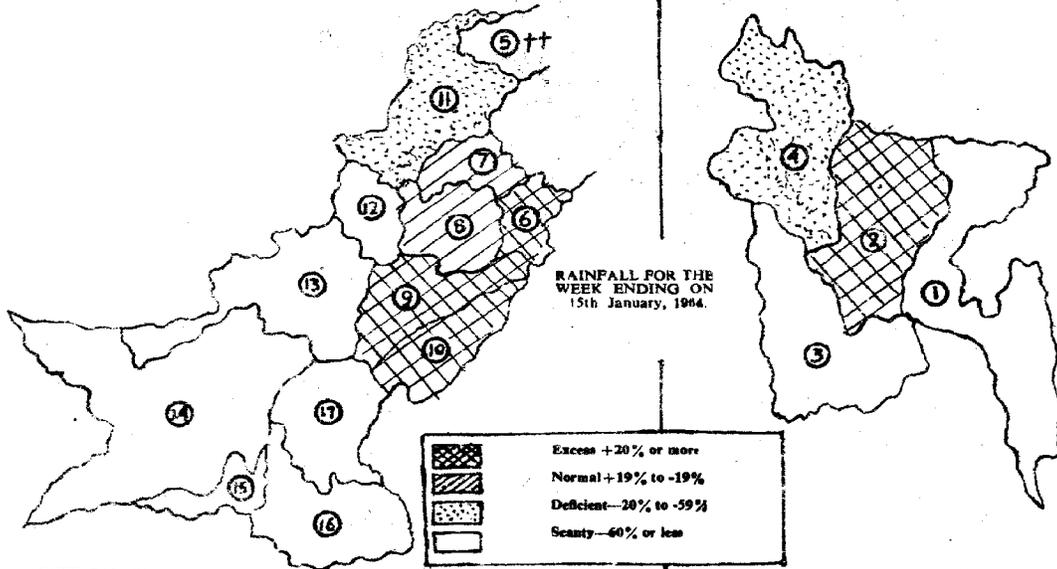
Rainfall for the period from 1st November 1963 to-date was in large excess in Lahore, Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar, D. I. Khan, Kalat, Hyderabad and Khairpur divisions; in excess in Quetta division; normal in Dacca division; deficient in Rajshahi and Karachi divisions and scanty in Chittagong and Khulna divisions.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 15th January, 1964.			Rainfall for Period from 1st November, 1963 to 15th January, 1964.			
	Actual	Normal	*Excess or defect	Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.	0	0	0.4	2.5	- 2.1	- 84
2. Dacca	0.1	0	+ 0.1	1.1	1.3	- 0.2	- 15
3. Khulna	0	0	0	0.4	1.5	- 1.1	- 74
4. Rajshahi	0.1	0.1	0	0.6	0.8	- 0.2	- 20
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.8	0.3	+ 0.5	2.4	1.3	+ 1.1	+ 84
7. Rawalpindi	0.6	0.7	- 0.5	9.0	3.3	+ 5.8	+ 176
8. Sargodha	0.1	0.1	0	1.8	0.6	+ 1.2	+ 197
9. Multan	0.3	0.1	+ 0.3	1.1	0.5	+ 0.7	+ 143
10. Bahawalpur	0	0	0	0.9	0.3	+ 0.6	+ 240
11. Peshawar	0.2	0.4	- 0.2	4.8	2.2	+ 2.6	+ 122
12. D. I. Khan	0	0.1	- 0.1	1.4	0.8	+ 0.6	+ 72
13. Quetta	0	0.3	- 0.3	2.4	1.6	+ 0.8	+ 51
14. Kalat	0	0.3	- 0.3	2.8	1.7	+ 1.1	+ 67
15. Karachi	0	0.1	- 0.1	0.6	0.8	- 0.2	- 28
16. Hyderabad	0	0	0	1.0	0.3	+ 0.7	+ 227
17. Khairpur	0	0	0	1.1	0.3	+ 0.8	+ 320
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their Percentages, Rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 22nd January, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: A feeble western disturbance, while moving away eastwards across the northern areas of East Pakistan caused fairly widespread rain in Khulna division and light rain in Dacca division on the 16th. The weather remained dry thereafter during the week. Khulna recorded $\frac{1}{4}$ " of rainfall on the 16th.

Night temperatures were slightly to appreciably above normal in the province on the first and the last day of the week. These were appreciably to markedly below normal in the province on the 18th and slightly to appreciably so during the rest of the week.

WEST PAKISTAN:—A western disturbance approached Quetta and Kalat divisions on the 20th and caused scattered to local rain or snow in these divisions and light rain in D. I. Khan division the same day. As it moved further northeastwards, it caused generally widespread rain in Lahore, Rawalpindi, Sargodha, Peshawar and D. I. Khan divisions and local in Sargodha, Multan and Quetta divisions on the 21st. Light rain also fell in Kalat, Karachi, Hyderabad and Khairpur divisions and snow in the hills of Rawalpindi, Peshawar and Quetta divisions on this day. Thereafter it passed off across Rawalpindi division by the end of the week and caused widespread rain with snowfalls over hills in Rawalpindi division and local in Lahore and Peshawar divisions on the 22nd with a heavy falls in Rawalpindi division. A severe cold wave affected West Pakistan in its wake during the last two days of the week. The lowest minimum temperature of 8 °F (−13 °C) at Quetta and 6 °F (−14 °C) at Hindubagh (hill stations) respectively on the 21st and on the 22nd and 24 °F (−14 °C) at Nokkundi (plain station) on both the days.

Chief amounts of rainfall during the week were:—Murree $\frac{1}{4}$ " and Islamabad, Haripur and Kakul 1" on the 21st and Murree 2", Islamabad $\frac{1}{4}$ " and Haripur 1" on the 22nd.

Night temperatures were considerably below normal in D. I. Khan, Quetta and Kalat divisions and markedly so elsewhere in the province on the last day of the week. They were appreciably to markedly below normal in the province during the first three days of the week and generally in the northern areas on the 20th and the 21st. These were markedly above normal in Khairpur and Kalat divisions on the 20th.

2. CHITTAGONG DIVISION :	}	Weather remained dry during the week.
DACCA DIVISION :		
KHULNA DIVISION :		Rainfall was fairly widespread on one day.
RAJSHAHI DIVISION :		Scattered rainfall on one day.
KASHMIR :		Data not available.
LAHORE DIVISION :		Rainfall was fairly widespread on one day and local on another day.
RAWALPINDI DIVISION :		Widespread rain fell on two days.
SARGODHA DIVISION :		Fairly widespread rain fell on one day.
MULTAN DIVISION :	}	Rainfall was local on one day.
BAHAWALPUR DIVISION :		
PESHAWAR DIVISION :		Rainfall was fairly widespread and local on one day each.
D. I. KHAN DIVISION :		Widespread rain fell on one day.
QUETTA DIVISION :		Rainfall was local on one day and scattered on another day.
KALAT DIVISION :		Local rain fell on one day.
KARACHI DIVISION :	}	Weather remained mainly dry during the week.
HYDERABAD DIVISION :		
KHAIRPUR DIVISION :		
JUNAGADH :		Data not available.

3. Based on the data of stations having normals, the week's rainfall was large excess in Khulna, Rawalpindi and Bahawalpur divisions; in excess in Lahore, Peshawar and D. I. Khan divisions; normal in Sargodha, Multan and Quetta divisions and scanty in Rajshahi, Kalat, Karachi and Khairpur divisions whereas no rain fell elsewhere in East Pakistan and Hyderabad division.

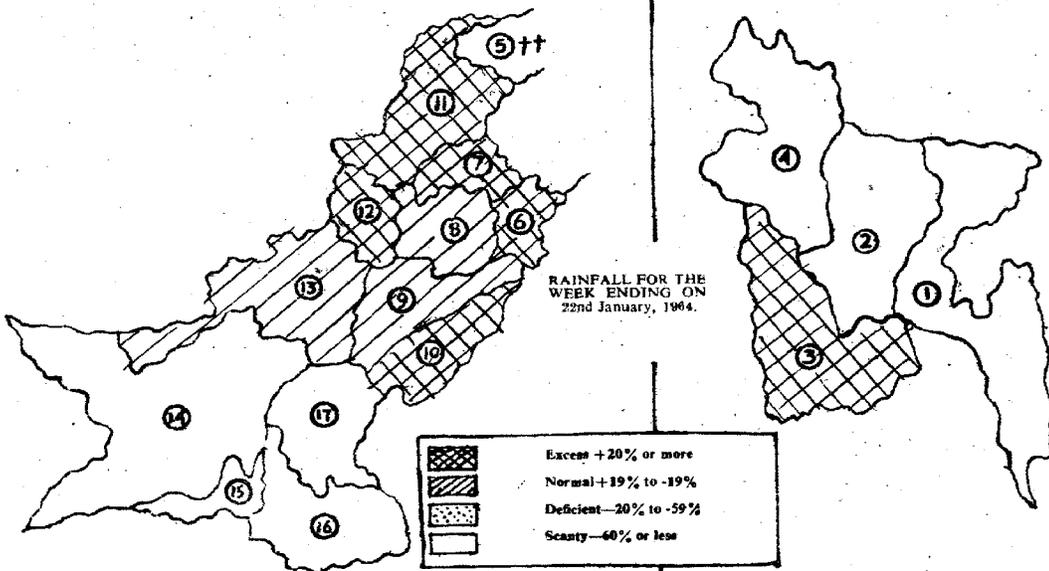
Rainfall for the period from 1st November 1963 to-date was in large excess in Lahore, Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar, D. I. Khan, Hyderabad and Khairpur divisions; in excess in Quetta and Kalat divisions; normal in Dacca and Rajshahi divisions; deficient in Karachi division and scanty in Chittagong and Khulna divisions.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 22nd January, 1964.			Rainfall for Period from 1st November, 1963 to 22nd January, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0.1	- 0.1	0.4	2.4	- 2.0	- 84
2. Dacca	0	0.1	- 0.1	1.1	1.2	- 0.1	- 12
3. Khulna	0.1	0.1	+ 0.1	0.5	1.4	- 0.9	- 68
4. Rajshahi	0	0.1	- 0.1	0.7	0.8	- 0.1	- 17
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.6	0.4	+ 0.2	3.0	1.7	+ 1.8	+ 76
7. Rawalpindi	2.4	0.7	+ 1.7	11.5	4.0	+ 7.5	+ 189
8. Sargodha	0.2	0.2	0	2.1	0.8	+ 1.3	+ 166
9. Multan	0.1	0.1	0	1.3	0.6	+ 0.7	+ 119
10. Bahawalpur	0.3	0.1	+ 0.2	1.1	0.3	+ 0.8	+ 233
11. Peshawar	0.7	0.4	+ 0.2	5.4	2.5	+ 2.9	+ 113
12. D. I. Khan	0.3	0.2	+ 0.1	1.7	1.0	+ 0.7	+ 73
13. Quetta	0.3	0.3	0	2.6	1.8	+ 0.8	+ 34
14. Kalat	0	0.4	- 0.4	2.8	2.1	+ 0.8	+ 38
15. Karachi	0.1	0.3	- 0.2	0.6	1.1	- 0.4	- 40
16. Hyderabad	0	0	0	1.0	0.3	+ 0.7	+ 216
17. Khairpur	0	0.1	- 0.1	1.1	0.3	+ 0.7	+ 221
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their Percentages, Rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.

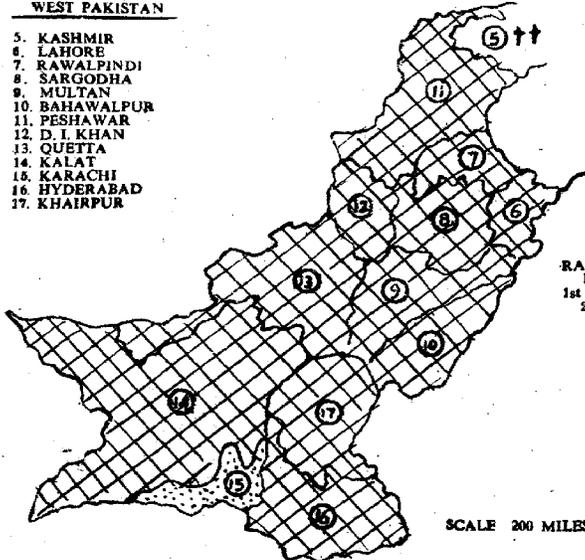


WEST PAKISTAN

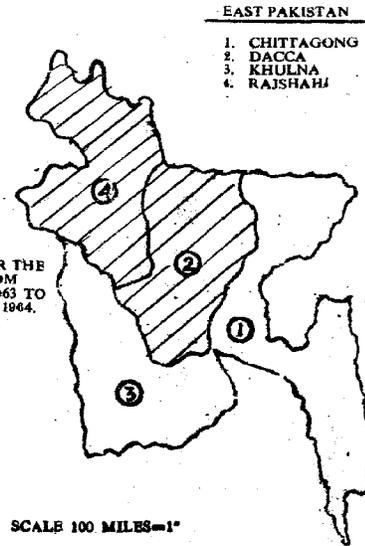
- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR

EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI



SCALE 200 MILES=1"



SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 29th January, 1964.

—0:010—

SUMMARY OF WEATHER

EAST PAKISTAN : A feeble western disturbance while moving eastwards from Bihar to Assam during the first three days caused mainly local falls in Chittagong, Dacca and Khulna divisions on the 23rd and in Chittagong and Khulna divisions on the 25th. Light rain also fell in Chittagong and Dacca divisions on the 24th and the 25th respectively. Comilla reported 3/4" of rain and Barisal 1/2" on the 23rd.

Night temperatures were appreciably above normal in the province during the first three days and appreciably to markedly below normal during the rest of the week.

WEST PAKISTAN : Weather remained cold and dry in the province during the week and the last week's cold wave remained practically unabated. The lowest minimum temperature of 4 °F was recorded at Hindubagh (Hill Station) on 26th and 22 °F at Nokkundi (Plain Station) on the 23rd and 24th.

Night temperatures remained considerably below normal in Quetta, D. I. Khan and Kalat divisions during the first three days of the week and in the northern areas on the 26th. These were otherwise appreciably to markedly below normal in the province during the week except in Karachi, Hyderabad and Khairpur divisions on the 28th and the 29th.

2 CHITTAGONG DIVISION :	Rainfall was local on one day and scattered on another day.
DACCA DIVISION :	Fairly widespread rain fell on one day.
KHULNA DIVISION :	Scattered rain fell on two days.
RAJSHAHI DIVISION :	Weather remained dry during the week.
KASHMIR :	Data not available.
LAHORE DIVISION :	} Weather remained dry during the week.
RAWALPINDI DIVISION :	
SARGODHA DIVISION :	
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	
D. I. KHAN DIVISION :	
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	} Data not available.
KHAIRPUR DIVISION :	
JUNAGADH :	

3. Based on the data of stations having normals, the week's rainfall was in large excess in Chittagong division and deficient in Dacca and Khulna divisions whereas no rain fell elsewhere in the country.

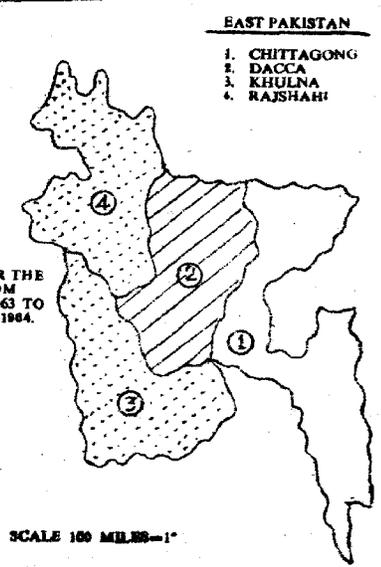
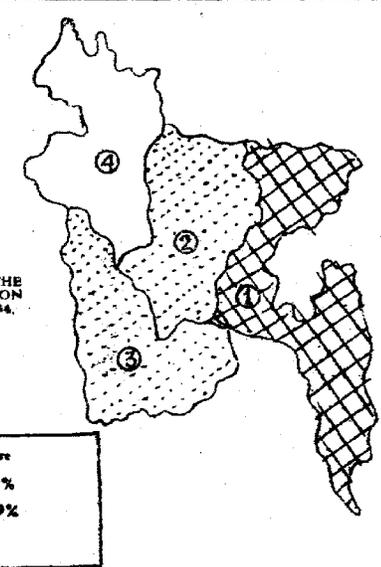
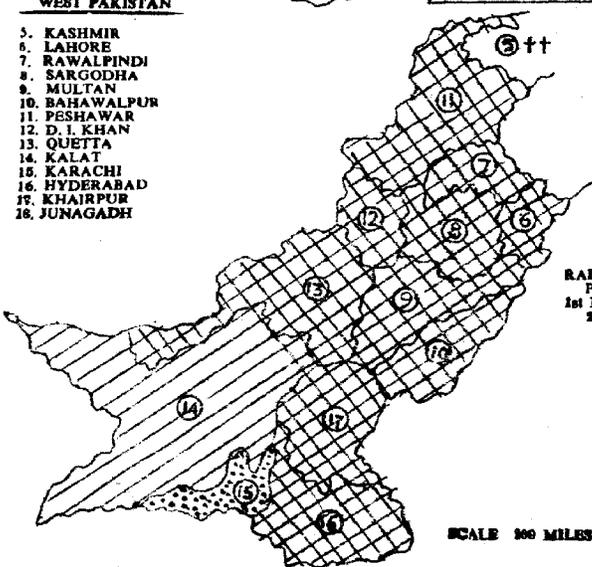
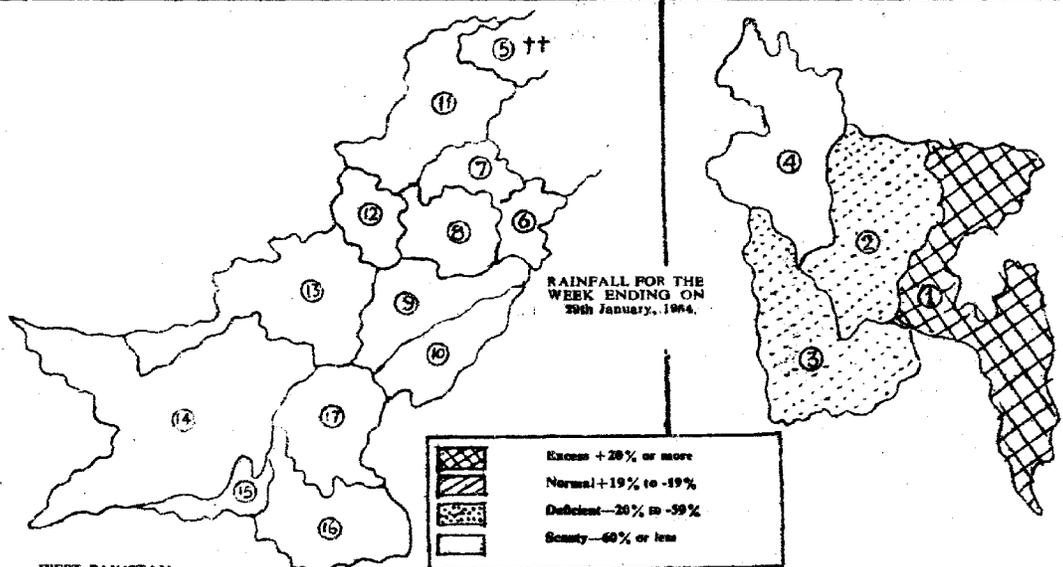
Rainfall for the period from 1st November, 1963 to-date was in large excess in Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar, Hyderabad and Khairpur divisions, in excess in Lahore, D. I. Khan and Quetta divisions, normal in Dacca and Kalat divisions, deficient in Khulna, Rajshahi and Karachi divisions and scanty in Chittagong division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 29th January, 1964.			Rainfall for Period from 1st November, 1963 to 29th January, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.3	0.1	+ 0.2	0.7	2.5	- 1.8	- 73
2. Dacca	0.1	0.2	- 0.1	1.2	1.4	- 0.2	- 15
3. Khulna	0.2	0.2	- 0.1	0.7	1.6	- 0.9	- 57
4. Rajshahi	0	0.2	- 0.2	0.7	1.0	- 0.3	- 32
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.4	- 0.4	3.0	2.1	+ 0.9	+ 42
7. Rawalpindi	0	0.9	- 0.9	11.5	4.9	+ 6.6	+ 134
8. Sargodha	0	0.2	- 0.2	2.1	0.9	+ 1.1	+ 118
9. Multan	0	0.1	- 0.1	1.3	0.7	+ 0.6	+ 83
10. Bahawalpur	0	0.1	- 0.1	1.1	0.4	+ 0.7	+ 162
11. Peshawar	0	0.6	- 0.6	5.4	3.1	+ 2.3	+ 72
12. D. I. Khan	0	0.2	- 0.2	1.7	1.2	+ 0.5	+ 47
13. Quetta	0	0.3	- 0.3	2.6	2.2	+ 0.5	+ 21
14. Kalat	0	0.4	- 0.4	2.8	2.5	+ 0.3	+ 14
15. Karachi	0	0.2	- 0.2	0.6	1.3	- 0.7	- 52
16. Hyderabad	0	0.1	- 0.1	1.0	0.4	+ 0.6	+ 165
17. Khairpur	0	0.1	- 0.1	1.1	0.4	+ 0.6	+ 147
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 5th February, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN:—A feeble western disturbance while moving away eastwards across East Pakistan caused scattered rain or thundershowers in Chittagong and Rajshahi divisions and light rain elsewhere in the province on the last day of the week. Light rain or drizzle also fell in Chittagong and Khulna divisions on the 2nd and only in Khulna division on the 4th. Srimangal and Sirajganj each recorded $\frac{1}{2}$ " of rainfall on the 5th.

Night temperatures were appreciably to markedly below normal in the province during the first four days of the week and slightly so on the 3rd and the 5th. These were slightly above normal in the province on the 4th.

WEST PAKISTAN:—Light rain or snow was reported from the hills of Rawalpindi division on the 3rd and the 5th under the influence of an active western disturbance that moved northeast Iran to Russian Turkistan on the last day of the week. Weather otherwise remained dry over the province during the week.

Night temperatures were markedly to considerably below normal in Quetta and Kalat divisions on the 1st and the 2nd. These were appreciably to markedly below normal elsewhere in the region on the above days and in most of the province during the first two days and only in the northern areas on the last three days of the week.

2 CHITTAGONG DIVISION :	Scattered rain fell on one day.
DACCA DIVISION :	} Weather remained mainly dry.
KHULNA DIVISION :	
RAJSHAHI DIVISION :	Scattered rain fell on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained dry.
RAWALPINDI DIVISION :	Weather remained mainly dry.
SARGODHA DIVISION :	} Weather remained dry during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	
D. I. KHAN DIVISION :	
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	} Data not available.
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was scanty in East Pakistan and in Rawalpindi division whereas no rain fell elsewhere in West Pakistan.

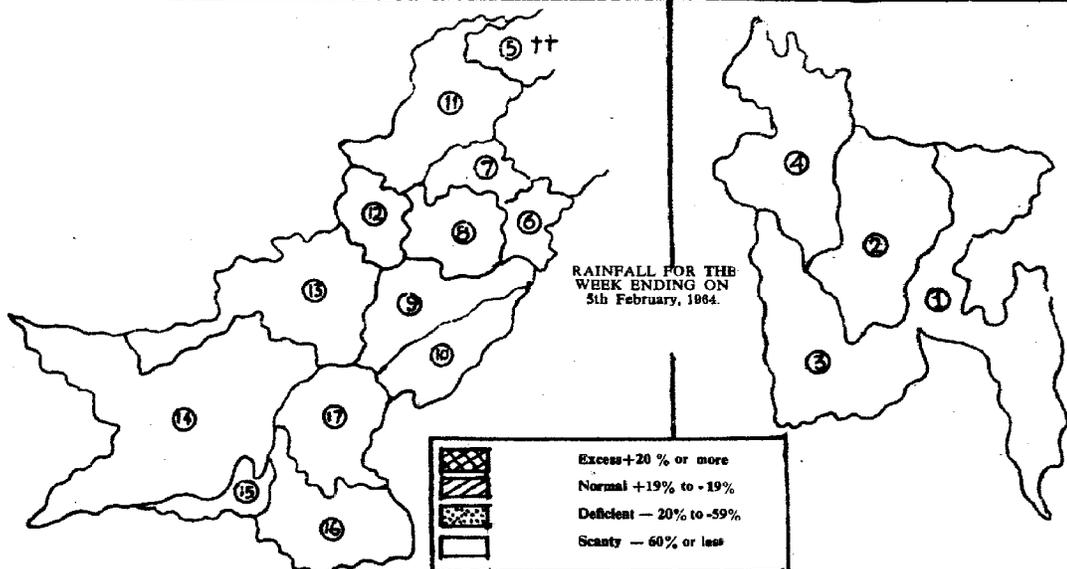
Rainfall for the period from 1st November, 1963 to-date was in large excess in Rawalpindi, Sargodha, Bahawalpur, Hyderabad and Khairpur divisions; in excess in Lahore, Multan and Peshawar divisions; normal in D. I. Khan, Quetta and Kalat divisions; deficient in Dacca, Khulna and Rajshahi divisions and scanty in Chittagong and Karachi divisions.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 5th February, 1964.			Rainfall for Period from 1st November, 1963 to 5th February, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.1	0.1	— 0.1	0.7	2.6	— 1.9	— 72
2. Dacca	0	0.1	— 0.1	1.3	1.6	— 0.3	— 21
3. Khulna	0	0.1	— 0.1	0.7	1.8	— 1.0	— 58
4. Rajshahi	0.1	0.1	— 0.1	0.7	1.1	— 0.4	— 36
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.3	— 0.3	3.0	2.5	+ 0.5	+ 22
7. Rawalpindi	0	0.9	— 0.9	11.5	5.8	+ 5.7	+ 97
8. Sargodha	0	0.1	— 0.1	2.1	1.1	+ 1.0	+ 91
9. Multan	0	0.1	— 0.1	1.3	0.8	+ 0.4	+ 51
10. Bahawalpur	0	0.1	— 0.1	1.0	0.5	+ 0.6	+ 125
11. Peshawar	0	0.7	— 0.7	5.4	3.8	+ 1.6	+ 42
12. D. I. Khan	0	0.3	— 0.3	1.7	1.5	+ 0.3	+ 17
13. Quetta	0	0.4	— 0.4	2.6	2.6	+ 0.1	+ 02
14. Kalat	0	0.5	— 0.5	2.8	3.0	— 0.2	— 07
15. Karachi	0	0.5	— 0.5	0.6	1.9	— 1.2	— 66
16. Hyderabad	0	0.1	— 0.1	1.0	0.5	+ 0.5	+ 104
17. Khairpur	0	0.1	— 0.1	1.1	0.5	+ 0.5	+ 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01*.
* Rainfall of stations having no normals is not included. †† Data not available.



WEST PAKISTAN

- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDRABAD
- 17. KHAIRPUR
- 18. JUNAGADH

EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI

RAINFALL FOR THE PERIOD FROM 1st November, 1963 TO 5th February, 1964.

SCALE 200 MILES=1"

SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 12th February, 1964.

—oTo—

SUMMARY OF WEATHER

EAST PAKISTAN : A feeble western disturbance lay over Chota Nagpur and adjoining areas on the 7th and moved away north-eastwards by the 8th. It caused scattered rain in Khulna division on the 7th and both in Chittagong and Khulna divisions the next day. Satkhira reported $1\frac{1}{4}$ " of rain on the 7th.

Night temperatures were appreciably above normal over most of the region on the 9th and slightly so in the coastal areas on the 12th. These were slightly to appreciably below normal in Dacca and Rajshahi divisions on the first day of the week.

WEST PAKISTAN : A western disturbance lay over Afghanistan and adjoining areas of West Pakistan on the 8th. Its associated trough extended southwards to Karachi division. The system moved away eastnortheastwards by the 10th. Under its influence scattered to local rain or thundershowers occurred in Bahawalpur, Peshawar, Karachi and Khairpur divisions on the 9th and in Quetta and Kalat divisions on the 8th and the 9th. A few thundestorms also developed in Multan division on the 8th while light rain fell in Peshawar and Rawalpindi divisions respectively on the two days. Kalat recorded $\frac{1}{2}$ " of rainfall on the 8th and the 9th.

Night temperatures were appreciably above normal over most of the province on the 8th and the 9th, in Karachi, Khairpur and Kalat divisions on the 7th and only in Quetta division on the 11th and the 12th.

2. CHITTAGONG DIVISION :	Scattered rain fell on one day.
DACCA DIVISION :	No rain fell during the week.
KHULNA DIVISION :	Rainfall was scattered on two days.
RAJSHAHI DIVISION :	No rain fell during the week.
KASHMIR :	Data not available.
LAHORE DIVISION :	No rain fell during the week.
RAWALPINDI DIVISION :	Weather remained mainly dry during the week.
SARGODHA DIVISION :	} No rain fell during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	Rainfall was local on one day.
PESHAWAR DIVISION :	Scattered rain fell on one day.
D. I. KHAN DIVISION :	No rain fell during the week.
QUETTA DIVISION :	} Rainfall was local and scattered on one day each.
KALAT DIVISION :	
KARACHI DIVISION :	Local rain fell on one day.
HYDERABAD DIVISION :	Weather remained mainly dry during the week.
KHAIRPUR DIVISION :	Scattered rain fell on one day.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Khulna division, normal in Kalat division and scanty in Chittagong, Rawalpindi, Bahawalpur, Quetta, Karachi, Hyderabad and Khairpur divisions whereas no rain fell elsewhere in the country.

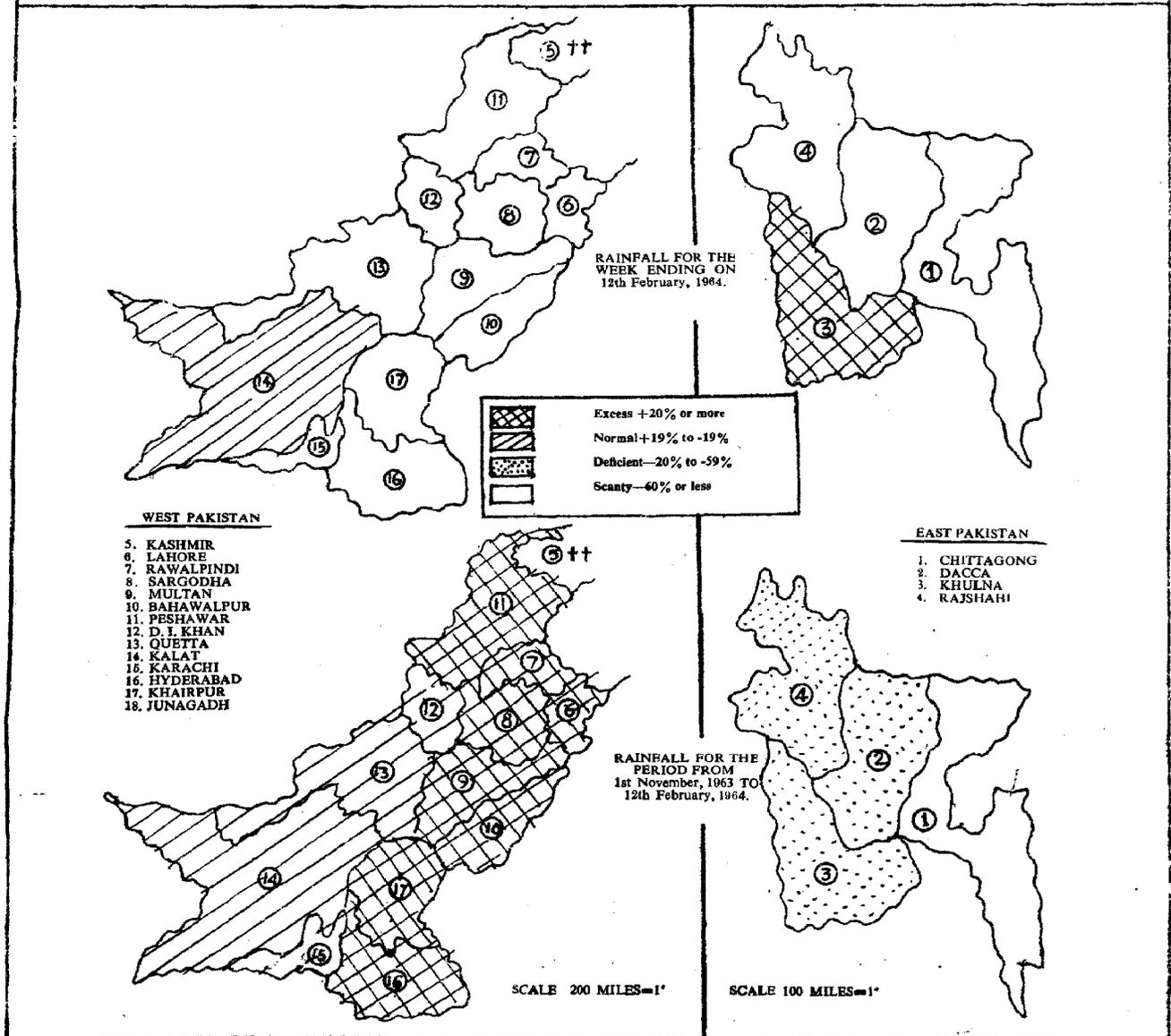
Rainfall for the period from 1st November, 1963 to-date was in large excess in Rawalpindi, Sargodha, Multan, Bahawalpur, Hyderabad and Khairpur divisions, in excess in Lahore and Peshawar divisions, normal in D. I. Khan, Quetta and Kalat divisions deficient in Dacca, Khulna and Rajshahi divisions and scanty elsewhere in the country.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the Period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 12th February, 1964.			Rainfall for Period from 1st November, 1963 to 12th February, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0.2	- 0.1	0.7	2.8	- 2.0	- 73
2. Dacca	0	0.2	- 0.2	1.3	1.8	- 0.6	- 31.
3. Khulna	0.5	0.2	+ 0.2	1.2	2.0	- 0.8	- 41
4. Rajshahi	0	0.2	- 0.2	0.7	1.3	- 0.6	- 44
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0.3	- 0.3	3.0	2.5	+ 0.5	+ 22
7. Rawalpindi	0	0.7	- 0.7	11.5	6.6	+ 4.9	+ 76
8. Sargodha	0	0.2	- 0.2	2.1	1.3	+ 0.8	+ 60
9. Multan	0	0.1	- 0.1	2.1	1.0	+ 1.1	+ 114
10. Bahawalpur	0	0.1	- 0.1	1.1	0.6	+ 0.5	+ 95
11. Peshawar	0	0.7	- 0.7	5.4	4.5	+ 1.0	+ 21
12. D. I. Khan	0	0.2	- 0.2	1.7	1.6	+ 0.1	+ 4
13. Quetta	0.1	0.4	- 0.3	2.7	3.0	- 0.3	- 9
14. Kalat	0.4	0.4	+ 0.1	3.3	3.4	- 0.2	- 5
15. Karachi	0.1	0.2	- 0.2	0.7	2.1	- 1.4	- 66
16. Hyderabad	0	0.1	- 0.1	1.0	0.5	+ 0.5	+ 82
17. Khairpur	0	0.1	- 0.1	1.1	0.6	+ 0.5	+ 73
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 19th February, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN: Dry weather prevailed over the province during the week. Night temperatures were appreciably above normal in the province during the last three days and normal during the rest of the week.

WEST PAKISTAN: A feeble western disturbance while moving away northeastwards across the northern areas of the province, caused scattered rain or thundershowers in Peshawar division on the first two days of the week and in Quetta division on the 14th and the 15th. Light rain or drizzle also fell in Lahore division on the 13th and in the northern areas on the 15th. Thereafter, an active western disturbance approached the western areas of the province on the 16th and caused scattered rain in D. I. Khan division and light rain or drizzle in Peshawar, Quetta and Kalat divisions the same day. The system moved away northeastwards by the 18th after causing fairly widespread rain or thundershowers in Rawalpindi division on the 17th and the 18th and in Peshawar and Quetta division on the 17th. Scattered to local rain or thundershowers also occurred in Sargodha division on these two days, in D. I. Khan and Kalat division on the 17th, in Peshawar division on the 18th and light rain or drizzle in Lahore division on both the days and in D. I. Khan division only on the 18th.

Chief amounts of rainfall recorded during the week were:—Drosh 1" on the 17th and Murree 1½" and Chakdara 1" on the 18th. Night temperatures were appreciably above normal in most of the province between the 14th and the 17th and only in Quetta and D. I. Khan divisions on the first day of the week. These were slightly above normal in Lahore, Multan, D. I. Khan and Karachi divisions on the 18th.

2 CHITTAGONG DIVISION :	}	Weather remained dry during the week.
DACCA DIVISION :		
KHULNA DIVISION :		
RAJSHAHI DIVISION :		
KASHMIR :		Data not available.
LAHORE DIVISION :		Weather remained mainly dry
RAWALPINDI DIVISION :		Fairly widespread rain fell on two days.
SARGODHA DIVISION :		Local and scattered rain fell on one day each.
MULTAN DIVISION :		Weather remained mainly dry.
BAHAWALPUR DIVISION :		Weather remained dry.
PESHAWAR DIVISION :		Fairly widespread and local rain fell on one day each and scattered on two days.
D. I. KHAN DIVISION :		Scattered rain fell on two days.
QUETTA DIVISION :		Fairly widespread rain fell on one day and scattered on two days.
KALAT DIVISION :		Local rain fell on one day.
KARACHI DIVISION :	}	Weather remained dry during the week.
HYDERABAD DIVISION :		
KHAIRPUR DIVISION :		
JUNAGADH :		Data not available.

3. Based on the data of stations having normals, the week's rainfall was in excess in Rawalpindi division, normal in Sargodha, Quetta and Kalat divisions, deficient in Peshawar division and scanty in Lahore and D. I. Khan divisions whereas no rain fell elsewhere in the country during the week.

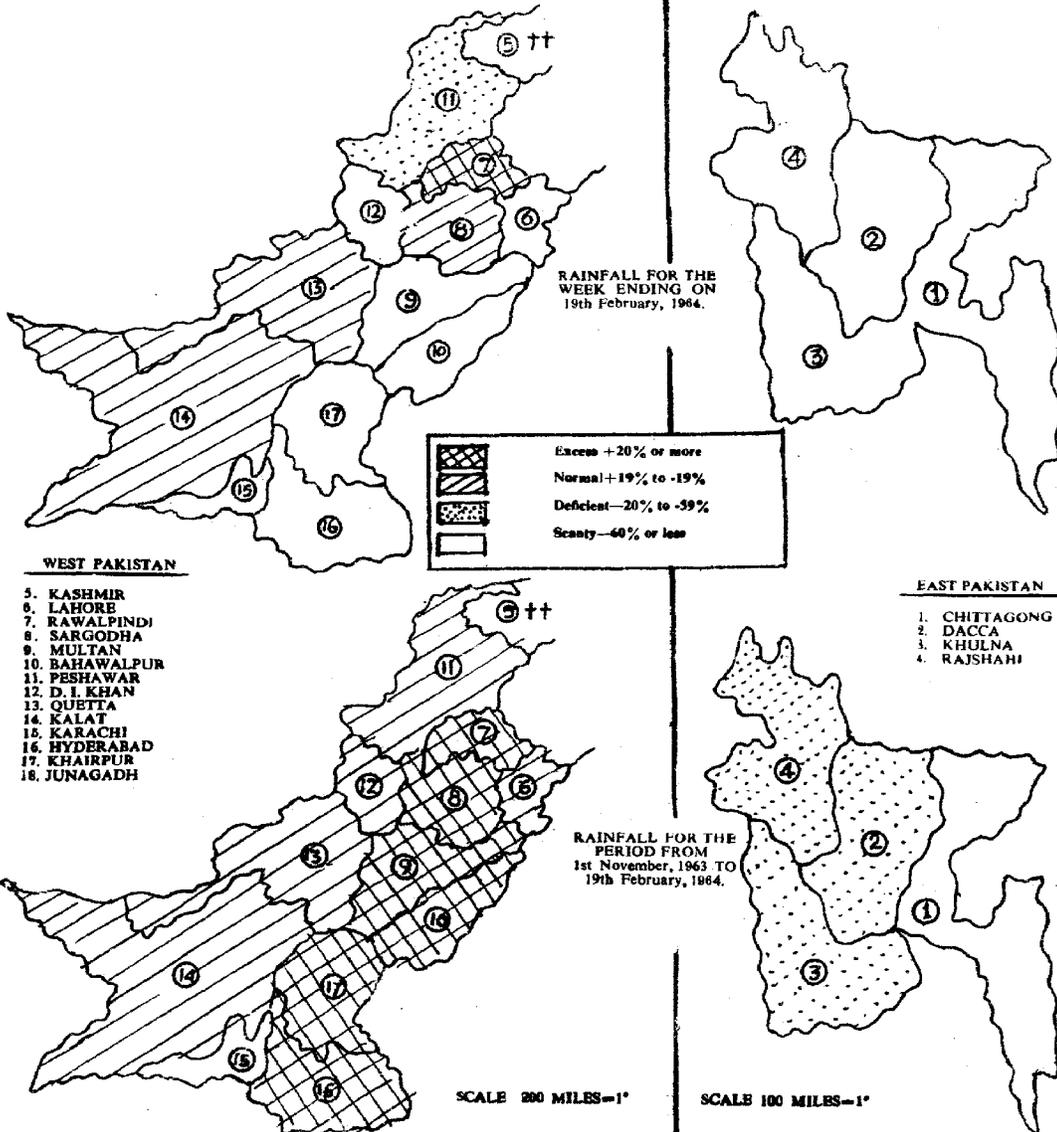
Rainfall for the period from 1st November, 1963 to-date was in large excess in Rawalpindi, Multan and Bahawalpur divisions, in excess in Sargodha, Hyderabad and Khairpur divisions, normal in Lahore, Peshawar, D. I. Khan, Quetta and Kalat divisions, deficient in Dacca, Khulna and Rajshahi divisions and scanty in Chittagong and Karachi divisions.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 19th February, 1964.			Rainfall for Period from 1st November, 1963 to 19th February, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0.3	- 0.3	0.8	3.1	- 2.4	- 76
2. Dacca	0	0.3	- 0.3	1.3	2.1	- 0.9	- 41
3. Khulna	0	0.3	- 0.3	1.2	2.3	- 1.1	- 50
4. Rajshahi	0	0.2	- 0.2	0.7	1.5	- 0.8	- 52
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0.3	- 0.3	3.1	2.8	+ 0.2	+ 8
7. Rawalpindi	1.1	0.7	+ 0.4	12.6	7.3	+ 5.3	+ 73
8. Sargodha	0.2	0.2	0	2.3	1.5	+ 0.7	+ 50
9. Multan	0	0.1	- 0.1	2.1	1.1	+ 1.0	+ 90
10. Bahawalpur	0	0.1	- 0.1	1.1	0.7	+ 0.5	+ 71
11. Peshawar	0.6	0.9	- 0.2	6.1	5.3	+ 0.7	+ 14
12. D. I. Khan	0.1	0.4	- 0.3	1.8	2.0	- 0.2	- 11
13. Quetta	0.3	0.3	0	3.1	3.4	- 0.3	- 9
14. Kalat	0.3	0.4	- 0.1	3.6	3.8	- 0.2	- 7
15. Karachi	0	0.2	- 0.2	0.7	2.3	- 1.6	- 69
16. Hyderabad	0	0.1	- 0.1	1.0	0.6	+ 0.4	+ 59
17. Khairpur	0	0.1	- 0.1	1.1	0.7	+ 0.4	+ 55
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 26th February, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN :—The western disturbance moving in quick succession across the province caused fairly wide spread thunderstorms or showers in Rajshahi division on the 23rd and scattered to local rain or thundershowers in Chittagong, Dacca and Khulna divisions between the 23rd and the 26th. Locally rather heavy to heavy falls occurred in Chittagong division on the 25th.

Chief amounts of rainfall were :—Mymensingh 1" on the 23rd; Narayanganj 1½" and Dacca and Comilla 1" each on the 24th and Maijdee Court 3", Srimangal 1½" and Chittagong 1" on the 25th.

Night temperatures were appreciably to markedly above normal in the province during the week except on the last day when these were slightly to appreciably so in Chittagong and Khulna divisions and slightly below normal in Rajshahi division.

WEST PAKISTAN :—A western disturbance over D. I. Khan and Peshawar divisions on the 21st moved away eastwards by the 24th. It caused scattered rain or thundershowers in Peshawar and Rawalpindi divisions between the 22nd and the 24th and in Peshawar, Sargodha and Lahore divisions on the 21st, 22nd and 23rd respectively. A few falls of light rain or drizzle were also reported from D. I. Khan division on the 22nd and from Lahore division on the 24th and snowfalls from the hills of Rawalpindi division on the 22nd and the 23rd. According to press reports Murree had over an inch of snowfalls on the 23rd.

Chief amounts of rain recorded during the week :—Drush ½" on the 21st, Kakul ½" on the 22nd and Murree ½" on the 24th. Night temperatures were slightly to appreciably above normal in some of the northern divisions on the first four days of the week and were to the same extent below normal in Bahawalpur division on the 20th and the 21st, in most of the western and central divisions on the 23rd and the 24th and practically in the whole province on the 25th and the 26th.

2 CHITTAGONG DIVISION :	Local and scattered rain fell on two days each.
DACCA DIVISION :	Local rain fell on two days and scattered on one day.
KHULNA DIVISION :	Scattered rain fell on three days.
RAJSHAHI DIVISION :	Scattered rain fell on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Scattered rain fell on one day.
RAWALPINDI DIVISION :	Rainfall was local on one day and scattered on two days.
SARGODHA DIVISION :	Scattered rain fell on one day.
MULTAN DIVISION :	Weather remained dry.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Scattered rain fell on three days.
D. I. KHAN DIVISION :	Weather remained mainly dry.
QUETTA DIVISION :	Weather remained dry.
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong and Dacca divisions, in excess in Khulna division, normal in Rajshahi division, deficient in Rawalpindi division and scanty in Lahore, and D. I. Khan divisions whereas no rain fell elsewhere over West Pakistan.

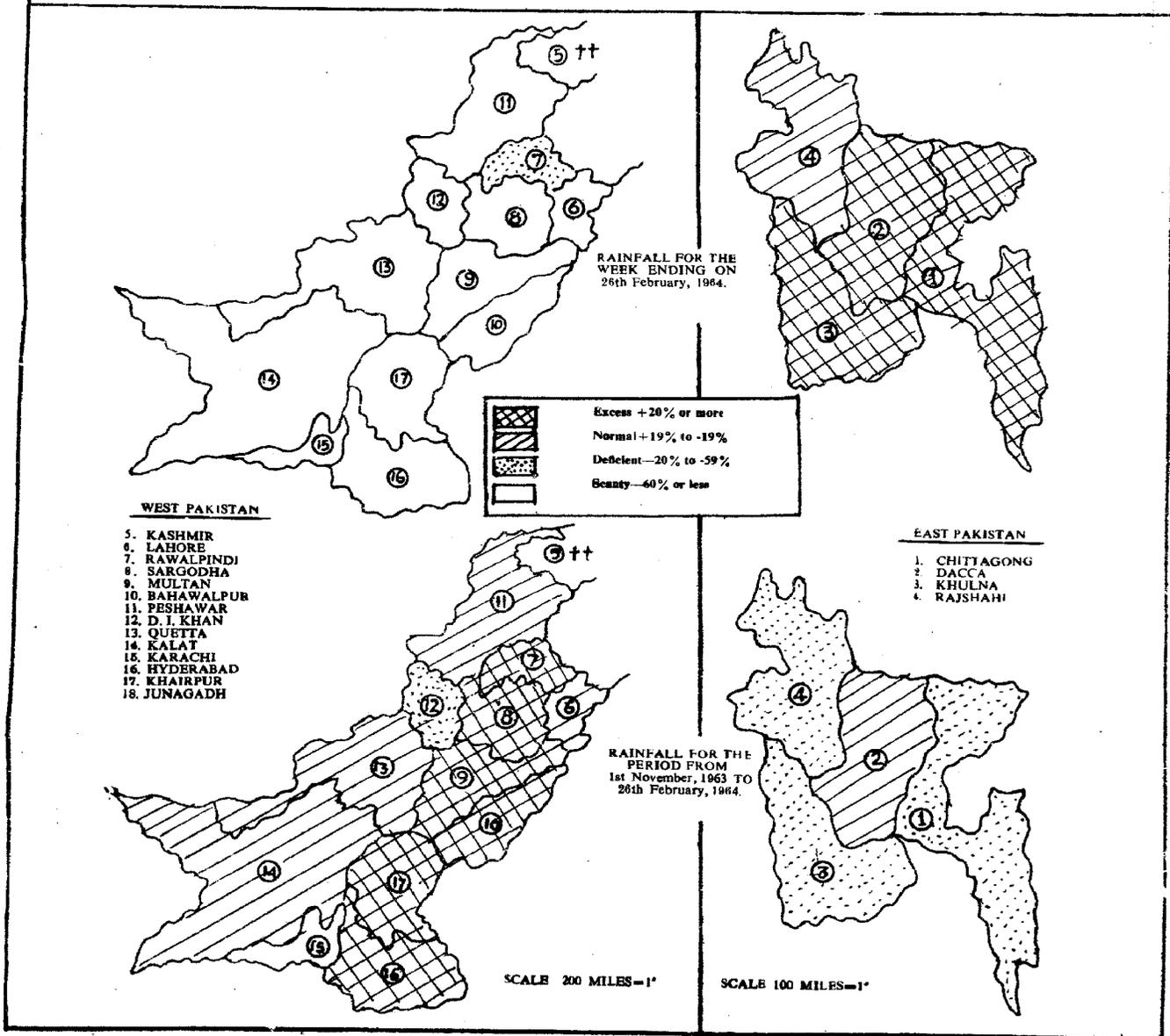
Rainfall for the period from 1st November, 1963 to-date was in large excess in Multan division; in excess in Rawalpindi, Sargodha, Bahawalpur, Hyderabad and Khairpur divisions; normal in Dacca, Lahore, Peshawar, Quetta and Kalat divisions; deficient elsewhere in East Pakistan and in D. I. Khan divisions and scanty in Karachi division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 26th February, 1964.			Rainfall for Period from 1st November, 1963 to 26th February, 1964.			
	*Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	1.4	0.3	+ 1.1	2.2	3.5	- 1.3	- 36
2. Dacca	0.9	0.4	+ 0.6	2.2	2.5	- 0.3	- 13
3. Khulna	0.5	0.4	+ 0.1	1.7	2.7	- 1.0	- 37
4. Rajshahi	0.2	0.2	0	0.9	1.7	- 0.7	- 44
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.1	0.3	- 0.2	3.2	3.2	0	+ 1
7. Rawalpindi	0.5	1.0	- 0.5	13.1	8.3	+ 4.8	+ 58
8. Sargodha	0	0.2	- 0.2	2.3	1.7	+ 0.6	+ 35
9. Multan	0	0.1	- 0.1	2.1	1.1	+ 0.9	+ 78
10. Bahawalpur	0	0.1	- 0.1	1.1	0.7	+ 0.4	+ 54
11. Peshawar	0	0.3	- 0.3	6.1	5.6	+ 0.4	+ 7
12. D. I. Khan	0	0.6	- 0.6	1.8	2.6	- 0.8	- 30
13. Quetta	0	0.2	- 0.2	3.1	3.6	- 0.5	- 15
14. Kalat	0	0.3	- 0.3	3.6	4.1	- 0.5	- 11
15. Karachi	0	0.4	- 0.4	0.7	2.7	- 2.0	- 74
16. Hyderabad	0	0.1	- 0.1	1.0	0.7	+ 0.3	+ 43
17. Khairpur	0	0.1	- 0.1	1.1	0.8	+ 0.3	+ 41
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 4th March, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN :—A western disturbance which lay over Orissa and Bihar on the 27th moved away across the province by the 29th. It caused local rain or thundershowers in Dacca and Rajshahi divisions and scattered in Khulna division on the 28th and in Dacca and Khulna divisions on the 29th. A few falls of light rain or isolated thunderstorms also occurred in Khulna and Dacca divisions on the 27th and in Chittagong division on the next day. Thereafter a well marked trough of low lying over West Bengal and southern parts of East Pakistan during the last three days of the week caused scattered rain or thundershowers in Chittagong and Khulna divisions on the 2nd and in the first named division only on the 4th. Light rain also fell in Chittagong and Khulna divisions on the 3rd and the 4th respectively.

Chief amounts of rainfall recorded during the week were : Sirajganj 1½" and Satkhira 1" on the 28th and Sylhet 1" on the 4th. Night temperatures were slightly to appreciably above normal generally in the whole province during the week.

WEST PAKISTAN—Two western disturbances moved across the northern divisions of the province. The first one caused scattered to local rain or thundershowers in Peshawar, D. I. Khan, Quetta and Kalat divisions on the 28th and in Rawalpindi and Peshawar divisions with snowfalls over the hills on the following day. Light rain also fell in Multan and Bahawalpur divisions on the 29th. The second one caused fairly widespread rain or thundershowers in Rawalpindi, Peshawar and D. I. Khan divisions and scattered to local in Quetta and Kalat divisions on the 3rd, in D. I. Khan, Quetta and Kalat divisions on the 2nd and in Peshawar division on the 4th. Light rain or thunderstorms also occurred in Lahore, Sargodha, Multan and Bahawalpur divisions on the 3rd and only in Rawalpindi division on the 4th.

Chief amounts of rainfall were :—Drosh and Kakul 1" each on the 29th and Chakdar 3/4" on the 4th.

Night temperatures were slightly to appreciably above normal in the western divisions on the 28th, in the central divisions on the 29th and the 1st and practically in the whole province on the last three days of the week. These were slightly below normal in the eastern divisions on the 27th and the 28th and in the northern divisions on the 29th and the 1st.

2 CHITTAGONG DIVISION :	}	Scattered rain fell on two days.
DACCA DIVISION :		
KHULNA DIVISION :	}	Scattered rain fell on three days.
RAJSHAHI DIVISION :		
KASHMIR :		Data not available.
LAHORE DIVISION :		Weather remained mainly dry during the week.
RAWALPINDI DIVISION :		Widespread and scattered rain fell on one day each.
SARGODHA DIVISION :	}	Weather remained mainly dry.
MULTAN DIVISION :		
BAHAWALPUR DIVISION :		
PESHAWAR DIVISION :		Rainfall was fairly widespread and local on one day each and scattered on two days.
D. I. KHAN DIVISION :		Fairly widespread rain fell on one day and scattered on two days.
QUETTA DIVISION :		Local rain fell on three days.
KALAT DIVISION :		Local rain fell on one day and scattered on two days.
KARACHI DIVISION :	}	Weather remained dry.
HYDERABAD DIVISION :		
KHAIRPUR DIVISION :		
JUNAGADH :		Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Khulna, Rajshahi and Kalat divisions; in excess in D. I. Khan and Quetta divisions; normal in Peshawar division and deficient in Chittagong and Rawalpindi divisions whereas no rain fell elsewhere over the country.

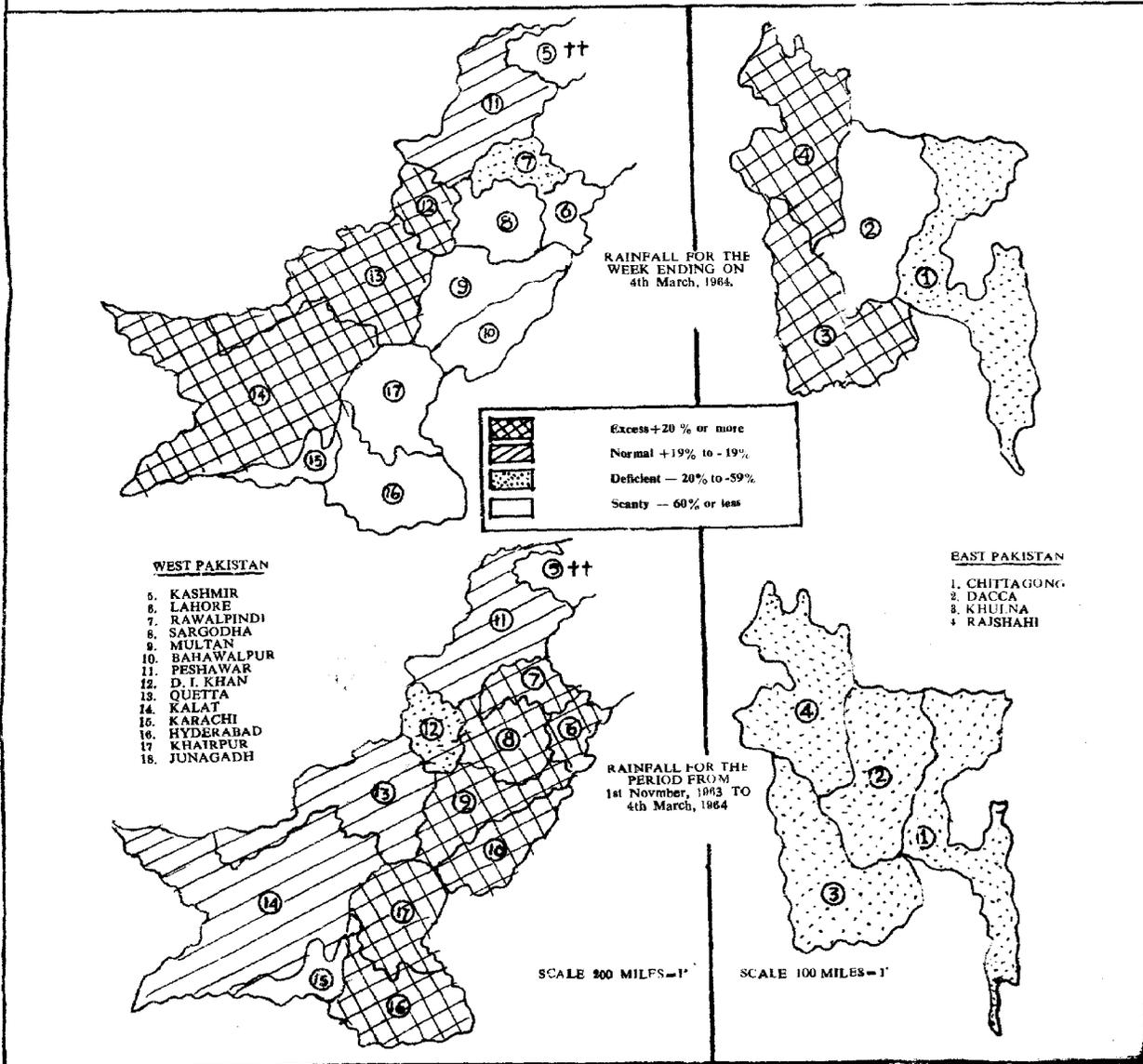
Rainfall for the period from 1st November, 1963 to-date was in large excess in Multan division; in excess in Rawalpindi, Sargodha, Bahawalpur, Hyderabad and Khairpur divisions, normal in Lahore, Peshawar, Quetta and Kalat divisions; deficient in East Pakistan and in D. I. Khan division and scanty in Karachi division.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 4th March, 1964.			Rainfall for Period from 1st November, 1963 to 4th March, 1964.			
	† Actual	Normal	*Excess or defect	† Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.3	0.5	- 0.2	2.5	3.9	- 1.4	- 36
2. Dacca	0.1	0.3	- 0.2	2.2	2.8	- 0.5	- 20
3. Khulna	0.4	0.3	+ 0.2	2.2	3.0	- 0.8	- 28
4. Rajshahi	0.4	0.2	+ 0.3	1.4	1.9	- 0.5	- 25
5. Kashmir ††	-	-	-	-	-	-	-
6. Lahore	0	0.3	- 0.3	3.2	3.4	- 0.2	- 7
7. Rawalpindi	0.6	0.7	- 0.1	13.7	9.0	+ 4.7	+ 52
8. Sargodha	0	0.2	- 0.2	2.3	1.8	+ 0.4	+ 23
9. Multan	0	0.1	- 0.1	2.1	1.3	+ 0.8	+ 64
10. Bahawalpur	0	0.1	- 0.1	1.1	0.8	+ 0.3	+ 42
11. Peshawar	0.4	0.4	0	6.5	6.1	+ 0.4	+ 7
12. D. I. Khan	0.5	0.3	+ 0.2	2.3	2.9	- 0.6	- 21
13. Quetta	0.3	0.3	+ 0.1	3.4	3.5	- 0.4	- 11
14. Kalat	0.4	0.1	+ 0.3	4.0	4.2	- 0.2	- 4
15. Karachi	0	0.1	- 0.1	0.7	2.8	- 2.1	- 75
16. Hyderabad	0	0	0	1.0	0.7	+ 0.3	+ 37
17. Khairpur	0	0.1	- 0.1	1.1	0.8	+ 0.3	+ 31
18. Junagadh	-	-	-	-	-	-	-

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 11th March, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : Last week's well marked trough of low over West Bengal and the southern parts of East Pakistan became unimportant after causing scattered to local rain or thundershowers in Chittagong division on the 5th and the 6th. Rangamati recorded $\frac{3}{4}$ " of rainfall on the 6th.

Night temperatures were appreciably markedly above normal in the province on the first day of the week and slightly to appreciably so in Khulna and Chittagong divisions during the next three days.

WEST PAKISTAN : Last week's western disturbance moved away northeastwards after causing scattered rain in Peshawar division on the first two days of the week and a few falls of light rain or drizzle in Sargodha and D. I. Khan divisions on the 5th and only in Rawalpindi division on the 6th. Another western disturbance approached the northern areas of the province on the 9th and moved away northeastwards by the end of the week. Under its influence widespread rain or thundershowers occurred in Peshawar division and scattered in Rawalpindi, D. I. Khan and Quetta divisions on the 10th. Scattered rain also fell in Peshawar division and light rain at a few places in Rawalpindi division on the 9th and the 11th. Chakdara and Landikotal reported $\frac{1}{4}$ " of rainfall each on the 10th.

Night temperatures were slightly to appreciably above normal in the province on the 5th and the 10th and in most of the northern and central areas during the rest of the week.

2 CHITTAGONG DIVISION :	Local and scattered rain fell on one day each.
DACCA DIVISION :	} Weather remained dry.
KHULNA DIVISION :	
RAJSHAHI DIVISION :	
KASHMIR :	Data not available.
LAHORE DIVISION :	No rain fell during the week.
RAWALPINDI DIVISION :	Scattered rain fell on one day.
SARGODHA DIVISION :	No rain fell during the week.
MULTAN DIVISION :	} Weather remained dry during week.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Rainfall was widespread on one day and scattered on four days.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	No rain fell during the week.
KALAT DIVISION :	} Weather remained dry during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	} Data not available.
JUNAGADH :	

3. Based on data of the stations having normals, the week's rainfall was deficient in Chittagong division and scanty in Rawalpindi, Sargodha, Peshawar, D. I. Khan and Quetta divisions whereas no rain fell elsewhere in the country.

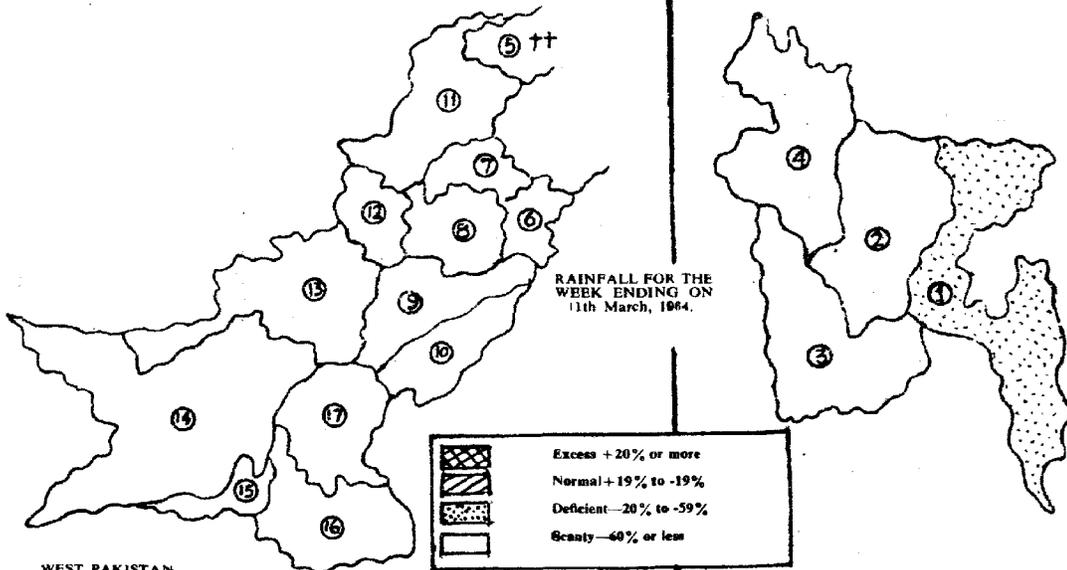
The rainfall for the period from 1st November, 1963 to-date was in excess in Rawalpindi, Bahawalpur, Multan, Hyderabad and Khairpur divisions; normal in Lahore, Sargodha, Peshawar, Quetta and Kalat divisions; deficient in East Pakistan and in D. I. Khan division and scanty in Karachi division.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

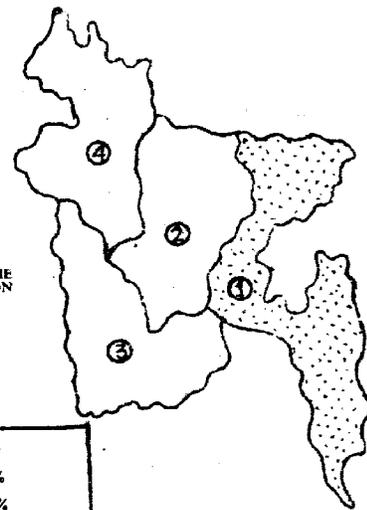
DIVISION	Rainfall for week ending on 11th March, 1964.			Rainfall for Period from 1st November, 1963 to 11th March, 1964.			
	Actual	Normal	*Excess or defect	Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.2	0.5	- 0.3	2.7	4.4	- 1.7	- 39
2. Dacca	0	0.4	- 0.4	2.2	3.1	- 0.9	- 29
3. Khulna	0	0.3	- 0.3	2.1	3.3	- 1.2	- 36
4. Rajshahi	0	0.2	- 0.2	1.4	2.0	- 0.6	- 32
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0.3	- 0.3	3.2	3.8	- 0.6	- 16
7. Rawalpindi	0.2	0.8	- 0.6	13.9	9.9	+ 4.0	+ 41
8. Sargodha	0	0.2	- 0.2	2.8	2.1	+ 0.2	+ 10
9. Multan	0	0.1	- 0.1	2.1	1.4	+ 0.7	+ 47
10. Bahawalpur	0	0.1	- 0.1	1.1	0.9	+ 0.2	+ 22
11. Peshawar	0.3	0.9	- 0.6	6.7	6.9	- 0.2	- 3
12. D. I. Khan	0	0.3	- 0.3	2.3	3.2	- 0.9	- 28
13. Quetta	0	0.3	- 0.3	3.4	4.2	- 0.8	- 18
14. Kalat	0	0.1	- 0.1	4.0	4.3	- 0.3	- 7
15. Karachi	0	0.1	- 0.1	0.7	2.9	- 2.2	- 76
16. Hyderabad	0	0.1	- 0.1	1.0	0.8	+ 0.2	+ 23
17. Khairpur	0	0.1	- 0.1	1.1	0.9	+ 0.2	+ 23
18. Junagadh	—	—	—	—	—	—	—

*In the calculation of excesses and defects and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



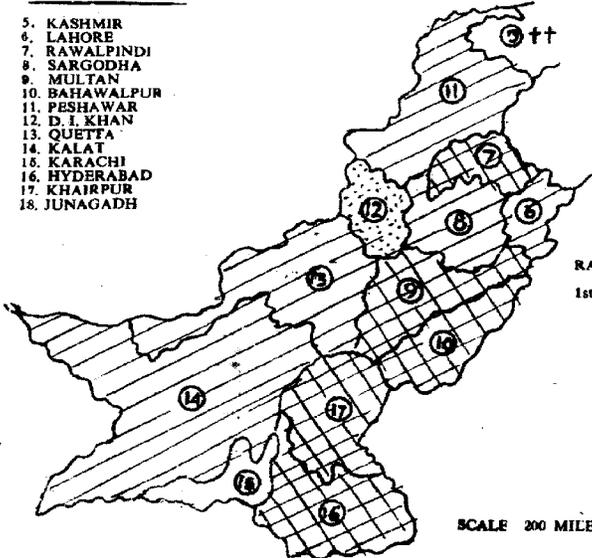
WEST PAKISTAN

- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH

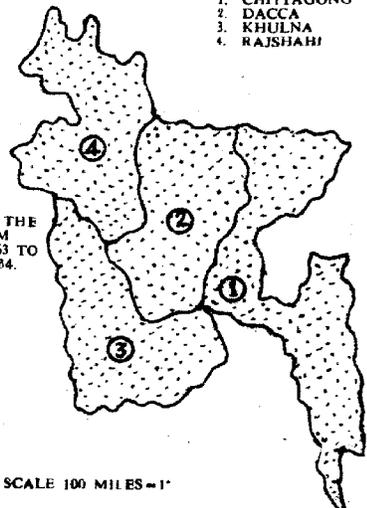


EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI



SCALE 200 MILES = 1"



SCALE 100 MILES = 1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 18th March, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: The seasonal trough of low pressure over West Bengal and adjoining areas was well marked and caused isolated light rain in Khulna division on the 15th and scattered to local thunderstorms or showers in Chittagong division between the 16th and the 18th. Srimangal recorded $\frac{1}{8}$ " and Brahmanbaria and Sylhet $\frac{1}{8}$ " each of rainfall on the 18th.

Night temperatures were slightly to appreciably above normal practically in the whole province on the first six days and in Khulna division on the last day of the week.

WEST PAKISTAN: A feeble western disturbance while moving northeastwards across the northern divisions of the province towards the middle of the week caused light rain at a number of places in Peshawar division and at a few places in Rawalpindi division on the 16th. Another western disturbance lay over the northern divisions of the province on the last day of the week. It caused fairly widespread rain in Peshawar division, local in Sargodha, D. I Khan and Quetta divisions, scattered in Rawalpindi division and light rain or drizzle in Lahore and Multan divisions the same day. Cherat and Parachinar recorded $\frac{1}{8}$ " of rainfall each on the 18th.

Night temperatures were considerably above normal in Quetta division on the first two days and appreciably to markedly so in Quetta, Lahore, Sargodha, Multan, Bahawalpur and Khairpur divisions on the next three days of the week. These were otherwise slightly to appreciably above normal in the province during the week.

2 CHITTAGONG DIVISION :	Local rain fell on one day.
DACCA DIVISION :	Weather remained dry during the week.
KHULNA DIVISION :	Weather remained mainly dry.
RAJSHAHI DIVISION :	Weather remained dry during the week.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained mainly dry.
RAWALPINDI DIVISION :	Scattered rain fell on one day.
SARGODHA DIVISION :	Local rain fell on one day.
MULTAN DIVISION :	Weather remained mainly dry.
BAHAWALPUR DIVISION :	Weather remained dry.
PESHAWAR DIVISION :	Fairly widespread rain fell on one day.
D. I. KHAN DIVISION :	} Local rain fell on one day.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	} Weather remained dry during the week.
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was deficient in Chittagong and Sargodha divisions and scanty in Khulna, Lahore, Rawalpindi, Multan, Peshawar, D. I. Khan and Quetta divisions whereas no rain fell elsewhere in the country.

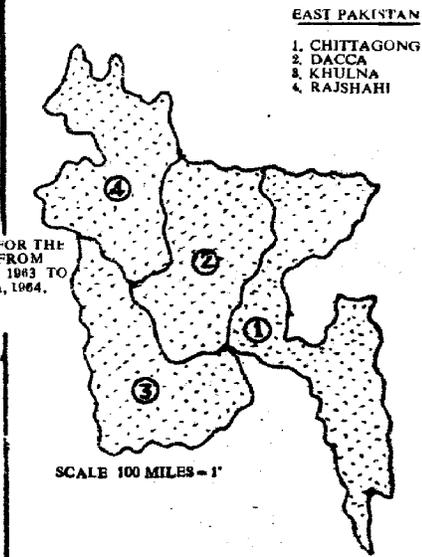
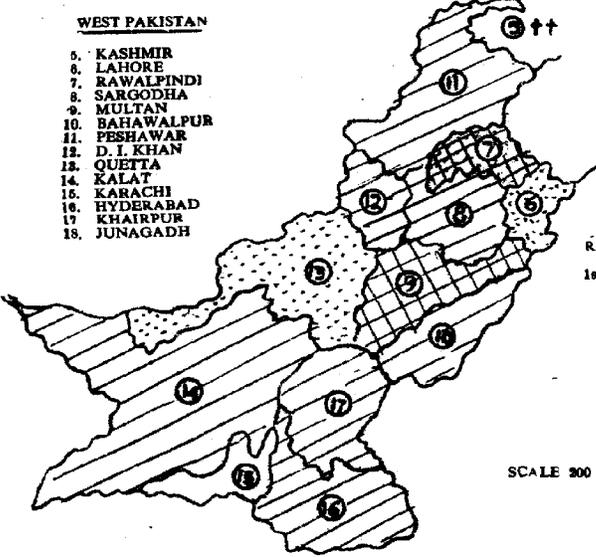
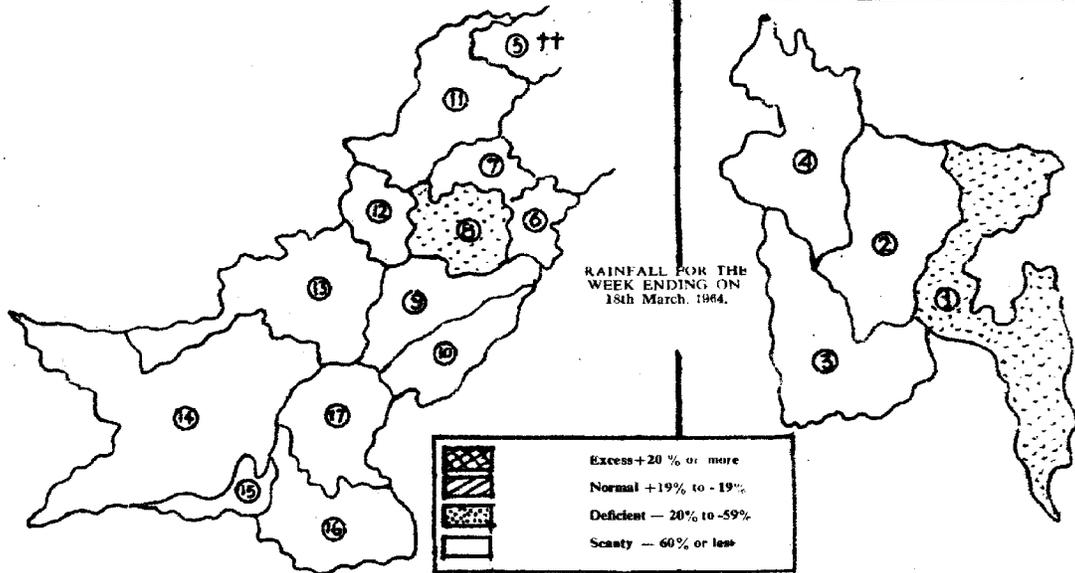
Rainfall for the period from 1st November, 1963 to-date was in excess in Rawalpindi and Multan divisions; normal in Sargodha, Bahawalpur, Peshawar, D. I. Khan, Kalat, Hyderabad and Khairpur divisions; deficient in East Pakistan and in Lahore and Quetta divisions and scanty in Karachi division.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 18th March, 1964.			Rainfall for Period from 1st November, 1963 to 18th March, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.3	0.5	- 0.3	3.0	4.9	- 2.0	- 40
2. Dacca	0	0.5	- 0.5	2.2	3.7	- 1.5	- 40
3. Khulna	0	0.4	- 0.4	2.2	3.7	- 1.6	- 42
4. Rajshahi	0	0.2	- 0.2	1.4	2.2	- 0.8	- 36
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.3	- 0.3	3.2	4.1	- 0.9	- 21
7. Rawalpindi	0.1	0.8	- 0.7	14.0	10.7	+ 3.3	+ 31
8. Sargodha	0.1	0.2	- 0.1	2.4	2.3	+ 0.1	+ 6
9. Multan	0	0.1	- 0.1	2.1	1.5	+ 0.6	+ 42
10. Bahawalpur	0	0.1	- 0.1	1.1	1.0	+ 0.1	+ 8
11. Peshawar	0.3	1.0	- 0.7	7.0	7.9	- 0.9	- 12
12. D. I. Khan	0	0.4	- 0.4	2.4	3.7	- 0.3	- 8
13. Quetta	0.2	0.4	- 0.2	3.6	4.6	- 1.0	- 22
14. Kalat	0	0.3	- 0.3	4.0	4.6	- 0.6	- 13
15. Karachi	0	0.1	- 0.1	0.7	3.0	- 2.3	- 76
16. Hyderabad	0	0.1	- 0.1	1.0	0.9	+ 0.1	+ 16
17. Khairpur	0	0.1	- 0.1	1.1	0.9	+ 0.1	+ 15
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 25th March, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : The seasonal trough of low pressure over West Bengal and adjoining areas remained well marked during the first half of the week. Under its influence fairly widespread rain or thundershowers occurred in Khulna division on the 20th and the 21st and scattered to local elsewhere in the region on the 20th and in Chittagong and Rajshahi divisions respectively on the 19th and the 21st. Scattered rain or thundershowers also occurred in Chittagong division on the 22nd and the 23rd and a few thunderstorms in Dacca division on the 21st.

Chief amounts of rainfall during the week were :- Satkhira $1\frac{1}{2}$ " on the 21st and Brahmanbaria and Sylhet $1\frac{1}{2}$ " each on the 23rd. Night temperatures were slightly to appreciably above normal in the province during the week.

WEST PAKISTAN : Last week's active western disturbance over the northern areas of the province moved away northeastwards after causing widespread rain or thundershowers in Lahore and Rawalpindi divisions and local to fairly widespread in Multan, Peshawar and D. I. Khan divisions on the 19th. Thereafter another western disturbance moved to Afghanistan and neighbourhood and caused scattered rain or thundershowers in Quetta division on the 23rd. While moving away northeastwards across the northern areas of the province, it caused scattered to local rain or thundershowers in Multan, Peshawar, D. I. Khan and Quetta divisions on the 24th and only in Rawalpindi and Peshawar divisions on the last day of the week. A few dust or thunderstorms were also reported from Rawalpindi, Sargodha, Multan and Bahawalpur divisions on the 24th and only from Lahore division on the 25th.

Chief amounts of rainfall recorded during the week were :- Murree and Cherat $1\frac{1}{2}$ " each, Multan, Kakul and Chakdara 1" each and Peshawar and Landikotal $\frac{3}{4}$ " on the 19th and Drosh $\frac{3}{4}$ " on the 20th.

Night temperatures were appreciably to markedly above normal in Lahore, Sargodha, Bahawalpur and Khairpur divisions on the 24th. These were otherwise slightly to appreciably above normal in most of the province during the week.

2 CHITTAGONG DIVISION :	Rainfall was local on one day and scattered on three days.
DACCA DIVISION :	Local rain fell on one day.
KHULNA DIVISION :	Fairly widespread rain fell on two days each.
RAJSHAHI DIVISION :	Local and scattered rain fell on one day each.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread rain fell on one day.
RAWALPINDI DIVISION :	Widespread and local rain fell on one day each.
SARGODHA DIVISION :	Weather remained dry.
MULTAN DIVISION :	Local and scattered rain fell on one day each.
BAHAWALPUR DIVISION :	Weather remained dry.
PESHAWAR DIVISION :	Fairly widespread rain fell on one day and local on two days.
D. I. KHAN DIVISION :	Local rain fell on two days and scattered on one day.
QUETTA DIVISION :	Scattered rain fell on two days.
KALAT DIVISION :	} Weather remained dry during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Multan and Peshawar divisions; excess in Khulna, Lahore and Rawalpindi divisions; normal in Rajshahi division; deficient in Chittagong and Dacca divisions and scanty in D. I. Khan and Quetta divisions whereas no rain fell elsewhere in the country.

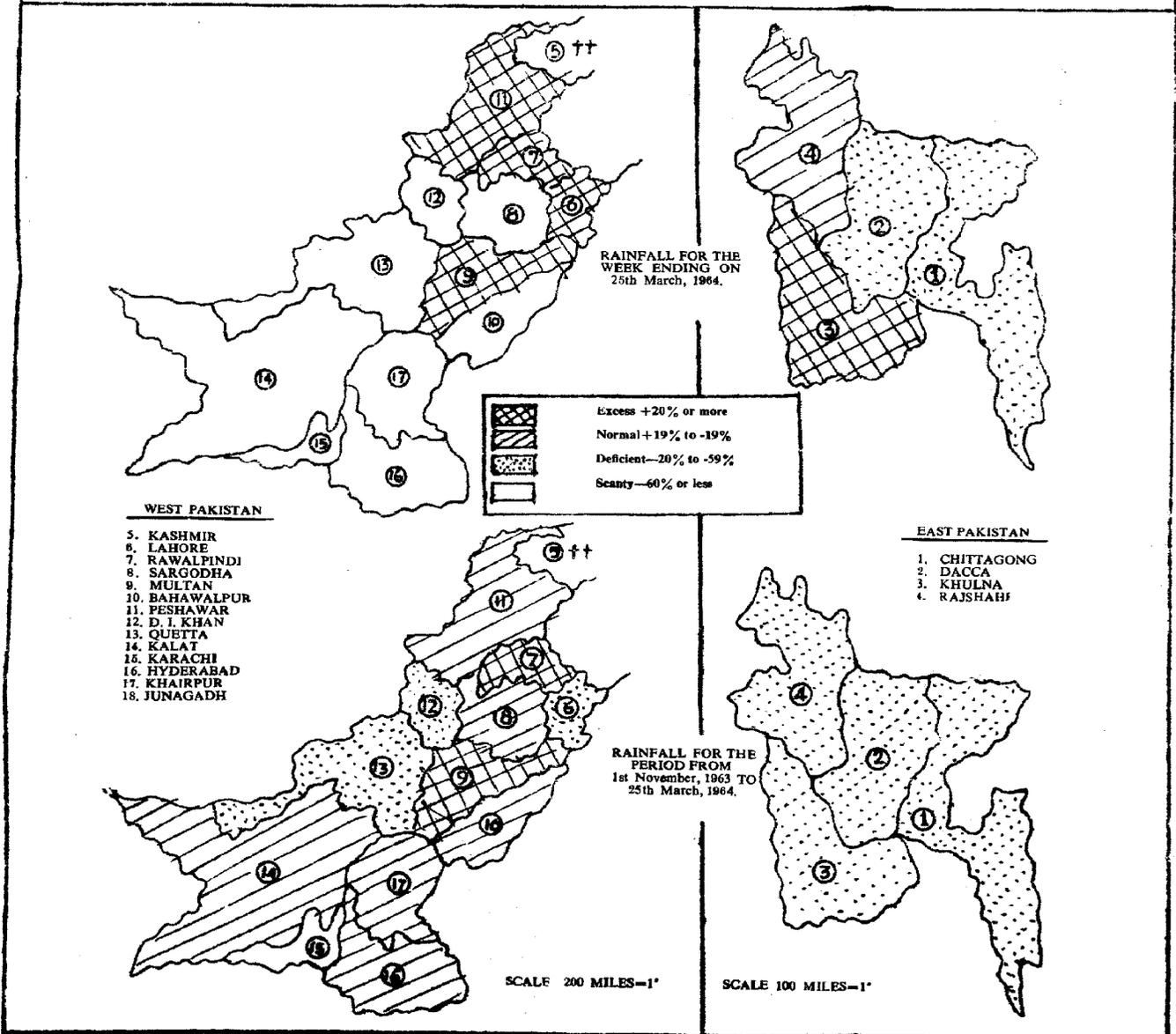
Rainfall for the period 1st November, 1963 to-date was in large excess in Multan division; excess in Rawalpindi division; normal in Sargodha, Bahawalpur, Peshawar, Kalat, Hyderabad and Khairpur divisions; deficient in East Pakistan and in Lahore, D. I. Khan and Quetta divisions and scanty in Karachi division.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 25th March, 1964.			Rainfall for Period from 1st November, 1963 to 25th March, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per—Cent
1. Chittagong	0.3	0.6	— 0.4	3.2	5.6	— 2.3	— 42
2. Dacca	0.3	0.5	— 0.2	2.5	4.2	— 1.7	— 41
3. Khulna	0.6	0.5	+ 0.1	2.8	4.2	— 1.4	— 34
4. Rajshahi	0.3	0.3	0	1.7	2.5	— 0.8	— 32
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.2	0.2	0	3.4	4.3	— 0.8	— 29
7. Rawalpindi	1.0	0.8	+ 0.3	15.0	11.5	+ 3.5	+ 23
8. Sargodha	0	0.2	— 0.2	2.4	2.4	0	— 1
9. Multan	0.7	0.1	+ 0.6	2.8	1.5	+ 1.3	+ 81
10. Bahawalpur	0	0.1	— 0.1	1.1	1.1	0	+ 1
11. Peshawar	1.3	0.7	+ 0.7	8.4	8.6	— 0.2	— 3
12. D. I. Khan	0.1	0.4	— 0.3	2.4	4.1	— 1.7	— 41
13. Quetta	0.1	0.2	— 0.2	3.6	4.8	— 1.2	— 24
14. Kalat	0	0.2	— 0.2	4.0	4.8	— 0.8	— 16
15. Karachi	0	0	0	0.7	3.0	— 2.3	— 76
16. Hyderabad	0	0	0	1.0	0.9	+ 0.1	+ 12
17. Khairpur	0	0	0	1.1	1.0	+ 0.1	+ 11
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 1st April, 1964.

—o—o—o—

SUMMARY OF WEATHER

EAST PAKISTAN: Under the influence of a well marked trough of low pressure lying over West Bengal and neighbourhood during the week scattered to local rain or thundershowers occurred in Chittagong division between the 27th and the 31st; in Dacca division on the 27th, 29th and the 30th. A few thunderstorms were also reported from Rajshahi, Khulna and Chittagong divisions respectively on the 26th, 27th and the last day of the week. 1" of rainfall was recorded each at Comilla on the 27th, at Srimangal on the 29th, at Barisal on the 30th and at Rangamati on the 31st.

Night temperatures were slightly to appreciably above normal in the region during the week.

WEST PAKISTAN: A western disturbance moved to Quetta and Kalat divisions on the 30th and caused scattered rain or drizzle there the same day. As it passed off northeastwards during the course of next two days it caused fairly widespread rain or thundershowers in Bahawalpur division, scattered to local in Quetta and Khairpur divisions and scattered dust or thunderstorms in Sargodha, Multan and Kalat divisions on the 31st. Light rain or drizzle also fell at several places in D. I. Khan and Peshawar divisions and at a few places in Lahore and Rawalpindi divisions this day and again in Rawalpindi, Peshawar and Quetta divisions on the next day. Nushki recorded 3/4" of rainfall on the 31st.

Night temperatures were generally slightly above normal in the province outside Sargodha, D. I. Khan, Khairpur and Hyderabad divisions between the 28th and the 31st, only in Lahore, Hyderabad, Karachi and D. I. Khan divisions during the first two days of the week and in Rawalpindi, Sargodha, Multan, D. I. Khan and Peshawar divisions on the last day of the week.

CHITTAGONG DIVISION :	Scattered rain fell on five days.
DACCA DIVISION :	Local rain fell on two days and scattered on one day.
KHULNA DIVISION :	Scattered rain fell on one day.
RAJSHAHI DIVISION :	Weather remained mainly dry.
KASHMIR :	Data not available.
LAHORE DIVISION :	} Weather remained dry.
RAWALPINDI DIVISION :	
SARGODHA DIVISION :	Weather remained dry.
MULTAN DIVISION :	Weather remained mainly dry.
BAHAWALPUR DIVISION :	Fairly widespread rain fell on one day.
PESHAWAR DIVISION :	} Weather remained mainly dry.
D. I. KHAN DIVISION :	
QUETTA DIVISION :	Scattered and local rain fell on one day each.
KALAT DIVISION :	Scattered rain fell on one day.
KARACHI DIVISION :	} Weather remained dry.
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	Scattered rain fell on one day.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Bahawalpur and Khairpur divisions; excess in Multan division; normal in Quetta division; deficient in Chittagong, Dacca and Khulna divisions and scanty in Rawalpindi, Peshawar and D. I. Khan divisions. No rain fell elsewhere in the country.

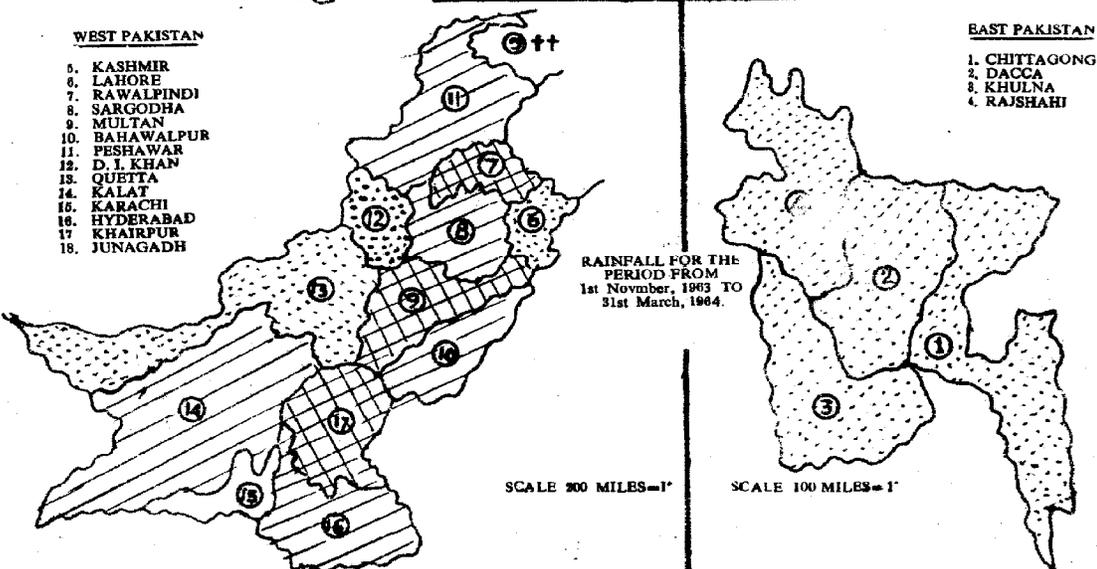
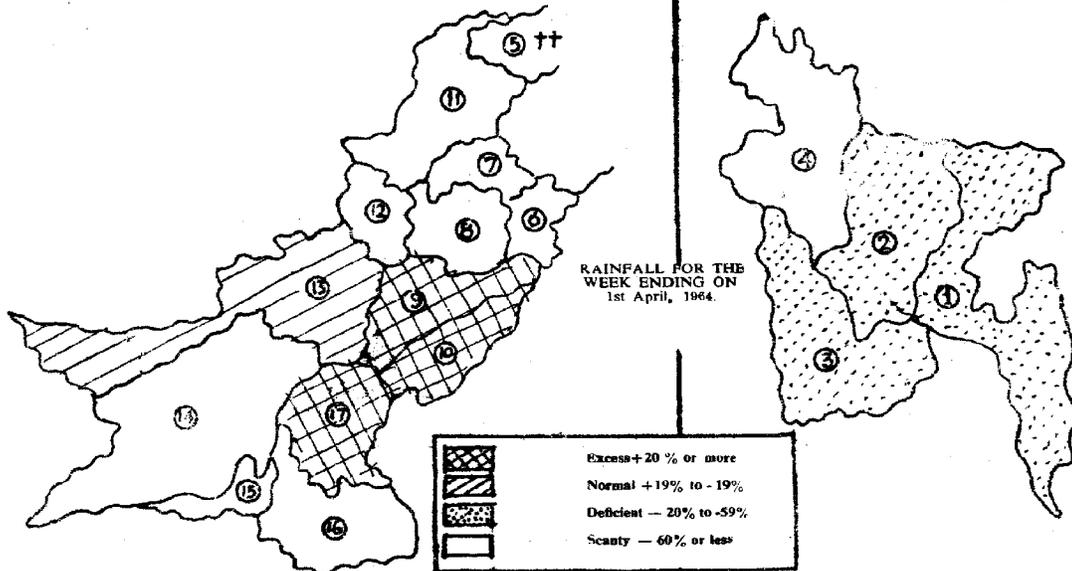
Rainfall for the period from 1st November, 1963 to 31st March, 1964 was in large excess in Multan division; excess in Rawalpindi and Khairpur divisions; normal in Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions; deficient in East Pakistan and in Lahore, D. I. Khan and Quetta divisions and scanty in Karachi division.

4. The table over leaf summarises in rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1963 to 31st March 1964.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 1st April, 1964.			Rainfall for Period from 1st November, 1963 to 31st March, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.5	0.7	— 0.2	3.8	6.2	— 2.4	— 37
2. Dacca	0.5	0.6	— 0.1	3.0	4.7	— 1.7	— 37
3. Khulna	0.3	0.5	— 0.3	3.1	4.7	— 1.5	— 33
4. Rajshahi	0	0.3	— 0.3	1.7	2.8	— 1.1	— 39
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.2	— 0.2	3.4	4.4	— 1.0	— 22
7. Rawalpindi	0.1	0.9	— 0.8	15.0	12.3	+ 2.8	+ 23
8. Sargodha	0	0.1	— 0.1	2.4	2.6	— 0.2	— 9
9. Multan	0.1	0.1	0	2.9	1.6	+ 1.3	+ 80
10. Bahawalpur	0.1	0	+ 0.1	1.2	1.1	+ 0.1	+ 11
11. Peshawar	0.1	0.6	— 0.5	8.4	9.1	— 0.6	— 6
12. D. I. Khan	0	0.7	— 0.6	2.5	4.7	— 2.2	— 47
13. Quetta	0.2	0.2	0	3.9	5.0	— 1.1	— 22
14. Kalat	0	0.2	— 0.2	4.0	4.9	— 0.9	— 19
15. Karachi	0	3.1	— 0.1	0.7	3.1	+ 2.3	+ 77
16. Hyderabad	0	0	0	1.0	0.9	+ 0.1	+ 12
17. Khairpur	0.2	0	+ 0.2	1.3	1.0	+ 0.3	+ 36
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 8th April, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: A western disturbance, while moving away eastwards across the northern areas of the province during the first two days of the week caused local to fairly widespread rain thundershowers in Dacca and Khulna divisions and scattered to local thundershowers elsewhere in the region on the 3rd and local rain or thundershowers in Chittagong division on the 2nd. Thereafter as a result of the accentuation of the seasonal trough of low pressure over West Bengal and adjoining areas, scattered to local rain or thundershowers occurred in the region on the 4th; in Chittagong division between the 5th and the 8th; in Dacca division on the 5th and the 7th and in Khulna and Rajshahi divisions respectively on the 6th and the 7th. According to press reports severe squalls affected Narail sub-division of Jessore districts on Thursday, the 2nd April for about an hour killing two and injuring nearly hundred persons. The Norwester accompanied by hailstorm also uprooted a number of tube wells and demolished dwelling houses. Later on the 5th a ten years old boy was killed and elderly person injured in a localised tornado which lashed parts of Gohire and Kala chand villages about 20 miles from Chittagong. Chief amounts of rainfall during the week were:—Khulna 3" on the 3rd; Faridpur 2" on the 4th; Srimangal 6" on the 5th and 3" on the 6th.

Day temperatures were slightly above normal in the province outside Chittagong division on the first day of the week, in the southern areas on the 3rd and the 4th, in Rajshahi and Khulna divisions on the 5th and the 6th and to the same extent below normal in Dacca and Rajshahi divisions on the last day of the week.

WEST PAKISTAN: A western disturbance moved to D. I. Khan division and adjoining areas on the first day of the week and caused scattered to local rain or thundershowers in Peshawar, D. I. Khan, Quetta and Kalat divisions the same day. While moving away northeastwards, it caused widespread rain or thundershowers in Rawalpindi and Peshawar divisions and scattered to local in Lahore, Multan and D. I. Khan divisions on the 3rd. A few dust or thundershowers were also reported from Sargodha and Bahawalpur divisions on this day. Towards the end of the week a feeble western disturbance, while moving away northeastwards across the northern parts of the province, caused scattered to local rain or thundershowers in Rawalpindi and Peshawar divisions on the 7th and a few falls of light rain in the last named divisions a day before.

Chief amounts of rainfall recorded during the week were: Hindubagh and Lanjiktal 3.4" each on the 2nd and Drosh 2", Murree 1½", Jhelum 1" and Rawalpindi and Kakul 3/4" each on the 3rd.

Day temperatures were appreciably to markedly below normal over most of the province on the 3rd and the 7th and only slightly so outside Rawalpindi, D. I. Khan and Peshawar divisions on the 2nd and outside Hyderabad and Karachi divisions on the 4th. These were slightly above normal in the aforementioned divisions on both these days and in the northern and the central parts of the province during the rest of the week.

2. CHITTAGONG DIVISION :	Local rain fell on two days and scattered on four days.
DACCA DIVISION :	Fairly widespread and local rain fell on one day each and scattered on two days.
KHULNA DIVISION :	Local rain fell on one day and scattered on two days.
RAJSHAHI DIVISION :	Local rain fell on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Local rain fell on one day.
KAWALPINDI DIVISION :	Widespread and scattered rain fell on one day each.
SARGODHA DIVISION :	Weather remained mainly dry.
MULTAN DIVISION :	Scattered rain fell on one day.
BAHAWALPUR DIVISION :	Weather remained dry during the week.
PESHAWAR DIVISION :	Rainfall was fairly widespread on one day and local on two days.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	Local rain fell on one day.
KALAT DIVISION :	Scattered rain fell on one day.
KARACHI DIVISION :	} Weather remained dry during the week.
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong, Khulna and Rawalpindi divisions; in excess in Dacca division; normal in Lahore and Multan divisions; deficient in Peshawar, Quetta and Kalat divisions and scanty in Rajshahi and Sargodha divisions whereas no rain fell elsewhere in West Pakistan.

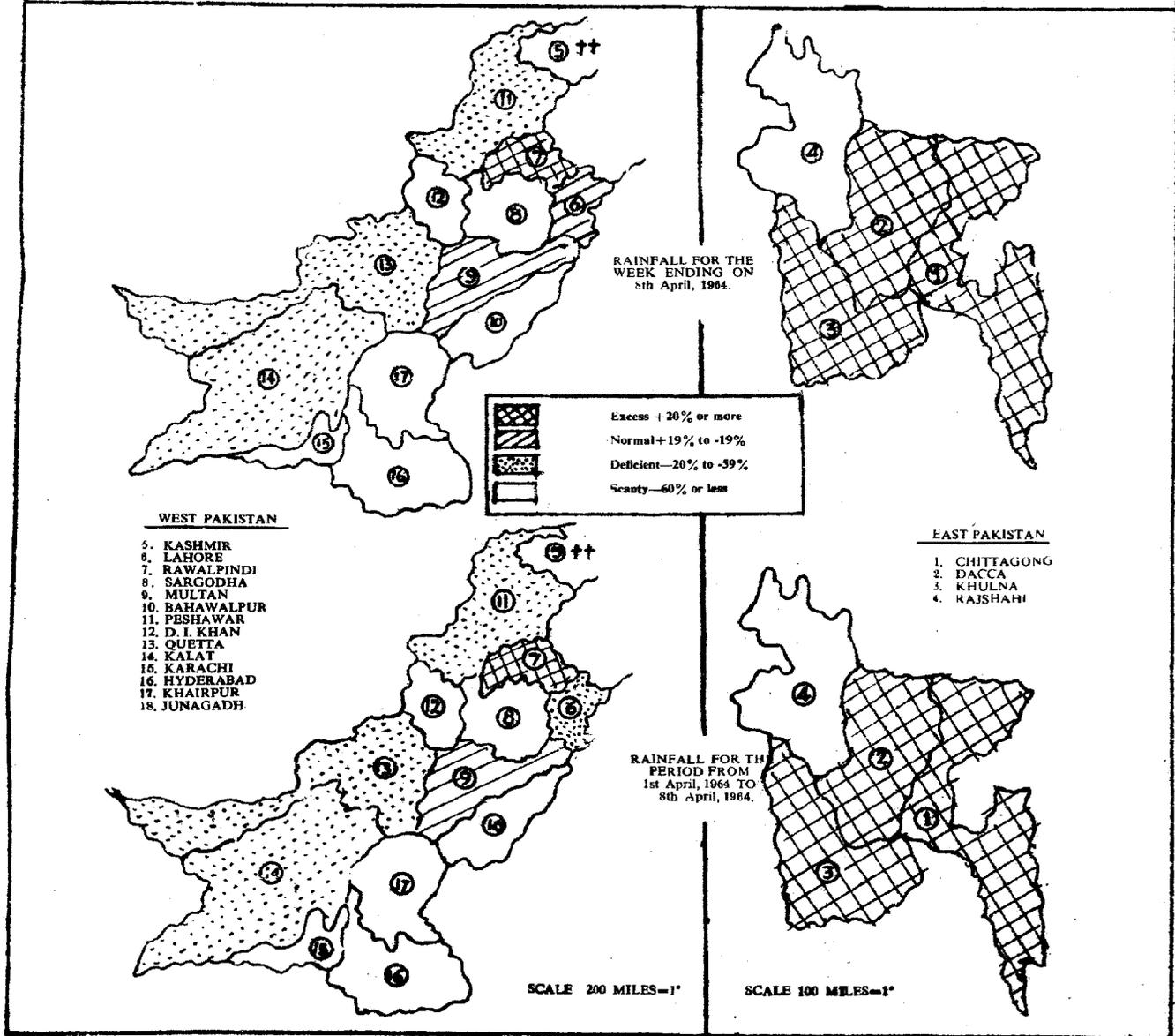
The rainfall for the period from 1st April, 1964 to-day was in large excess in Chittagong and Khulna divisions; in excess in Dacca and Rawalpindi divisions; normal in Multan division; deficient in Lahore, Peshawar, Quetta and Kalat divisions and scanty in Rajshahi and Sargodha divisions whereas no rain fell elsewhere in West Pakistan.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 8th April, 1964.			Rainfall for Period from 1st April, 1964 to 8th April, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	2.8	0.9	+ 1.8	2.8	1.0	+ 1.7	+ 164
2. Dacca	1.1	0.7	+ 0.4	1.1	0.8	+ 0.3	+ 34
3. Khulna	1.1	0.4	+ 0.7	1.1	0.4	+ 0.7	+ 157
4. Rajshahi	0.1	0.4	- 0.3	0.1	0.4	- 0.4	- 86
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.2	0.2	0	0.2	0.2	- 0.1	- 25
7. Rawalpindi	1.3	0.8	+ 0.5	1.3	0.9	+ 0.4	+ 32
8. Sargodha	0	0.2	- 0.1	0	0.2	- 0.2	- 81
9. Multan	0.1	0.1	0	0.1	0.1	0	Normal
10. Bahawalpur	0	0.1	- 0.1	0	0.1	- 0.1	- 100
11. Peshawar	0.4	0.5	- 0.1	0.4	0.6	- 0.2	- 35
12. D. I. Khan	0	0.3	- 0.3	0	0.4	- 0.4	- 100
13. Quetta	0.1	0.2	- 0.1	1.1	0.2	- 0.1	- 58
14. Kalat	0.1	0.2	- 0.1	1.1	0.2	- 0.1	- 44
15. Karachi	0	0.3	- 0.3	0	0.3	- 0.3	- 100
16. Hyderabad	0	0	0	0	0	0	No rain
17. Khairpur	0	0.1	- 0.1	0	0.1	- 0.1	- 110
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 15th April, 1964.

—oTo—

SUMMARY OF WEATHER

EAST PAKISTAN:—Two western disturbances moved across the central and northern parts of the province during the week. According to press reports the passage of the first one was accompanied with severe squalls in Khulna division on the evening of 11th. The second one caused gusty and squally winds in Khulna division and very heavy falls in northern Chittagong division on the evening of the 13th. In the squall on the 11th evening 310 persons were reported killed and more than 500 injured and seven villages completely wiped out in the northern and the southern parts of Narail sub-division in Khulna division. The heavy falls in Sylhet district washed away 20 acres of Baro Crops in Chaikhali Hoar and swept away many houses and other properties in the villages, rendering hundreds homeless.

The western disturbances caused scattered to local rain or thundershowers in Chittagong division throughout the week, in Dacca division during the last four days of the week, in Khulna division on the 13th and in Rajshahi division during the last three days of the week. A few duststorms occurred in Rajshahi division on the 12th and the 14th.

Chief amounts of rainfall recorded during the week were: Sylhet 2" on the 9th; Sylhet 6" on the 14th and Brahmanbaria 2" on the 15th.

Day temperatures were slightly to appreciably above normal in the province on the 10th and the 11th, in Rajshahi and Khulna divisions on the 12th and only in Khulna division on the 9th and the 13th. These were to the same extent below normal in the northern areas of the province during the last two days of the week.

WEST PAKISTAN: A feeble western disturbance moved across the northern parts of the province during the first half of the week. It caused scattered to local rain or thundershowers in Peshawar and D. I. Khan divisions on the 9th, in Rawalpindi and Quetta divisions on the 11th and the 12th and in Peshawar division again on the 10th and the 11th. Light rain was also reported from Lahore division on the 9th, from D. I. Khan division between the 10th and the 12th and a few thunderstorms from Bahawalpur and Quetta divisions on the 10th and from Lahore, Bahawalpur and Peshawar divisions on the 12th. Thereafter another western disturbance moved eastwards across the northern divisions of the province while its associated trough moved across the southern divisions. The system caused widespread rain or thundershowers in Rawalpindi division on the last day of the week and scattered to local in Lahore, Rawalpindi, Peshawar and Quetta divisions on the 13th, in Peshawar division again during the last two days of the week and in D. I. Khan and Multan divisions respectively on the 14th and the 15th. Scattered to local thunderstorms were also reported from Sargodha division on the 13th and the 14th, from Multan and Quetta divisions respectively on these two days and light rain from Lahore and D. I. Khan divisions on the 14th and the 15th respectively. Drush recorded 3/4" of rainfall on the 10th.

Day temperatures were slightly to appreciably above normal in the province between the 11th and the 12th and in most of the northern and the central areas of the province on the 9th, 13th and the 14th and only in Quetta, Kalat, Rawalpindi, Sargodha, Khairpur, Karachi and Hyderabad divisions on the last day of the week.

2 CHITTAGONG DIVISION :	Local rain fell on two days and scattered on four days.
DACCA DIVISION :	Local and scattered rain fell on two days each.
KHULNA DIVISION :	Scattered rain fell on one day.
RAJSHAHI DIVISION :	Local rain fell on one day and scattered on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Scattered rain fell on one day.
RAWALPINDI DIVISION :	Local rain fell on one day and scattered on three days.
SARGODHA DIVISION :	Weather remained mainly dry.
MULTAN DIVISION :	} Weather remained dry.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Local rain fell on five days and scattered on one day.
D. I. KHAN DIVISION :	Rainfall was scattered on two days.
QUETTA DIVISION :	Rainfall was local on one day and scattered on two days.
KALAT DIVISION :	} Weather remained dry during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on the data of stations having normals the week's rainfall was in large excess in Rajshahi division, deficient in Chittagong, Rawalpindi, Peshawar and Quetta divisions and scanty in Dacca, Khulna, Lahore, Sargodha, Multan, D. I. Khan and Kalat divisions whereas no rain fell elsewhere in West Pakistan.

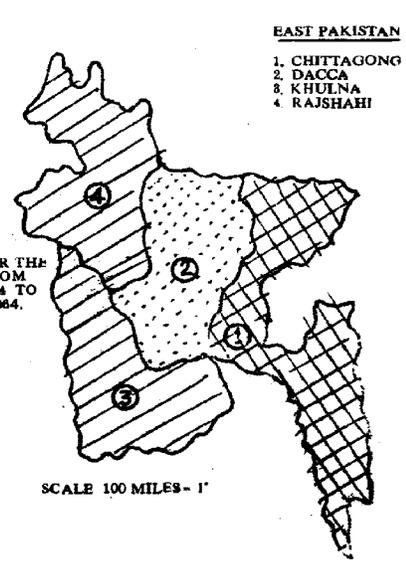
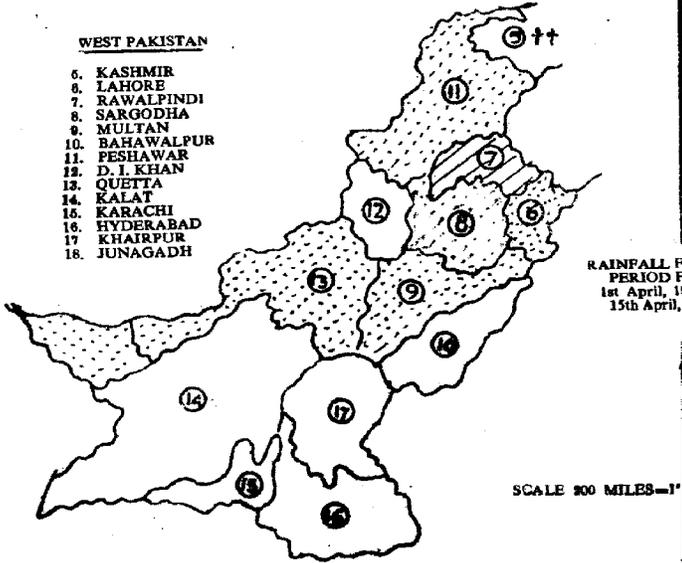
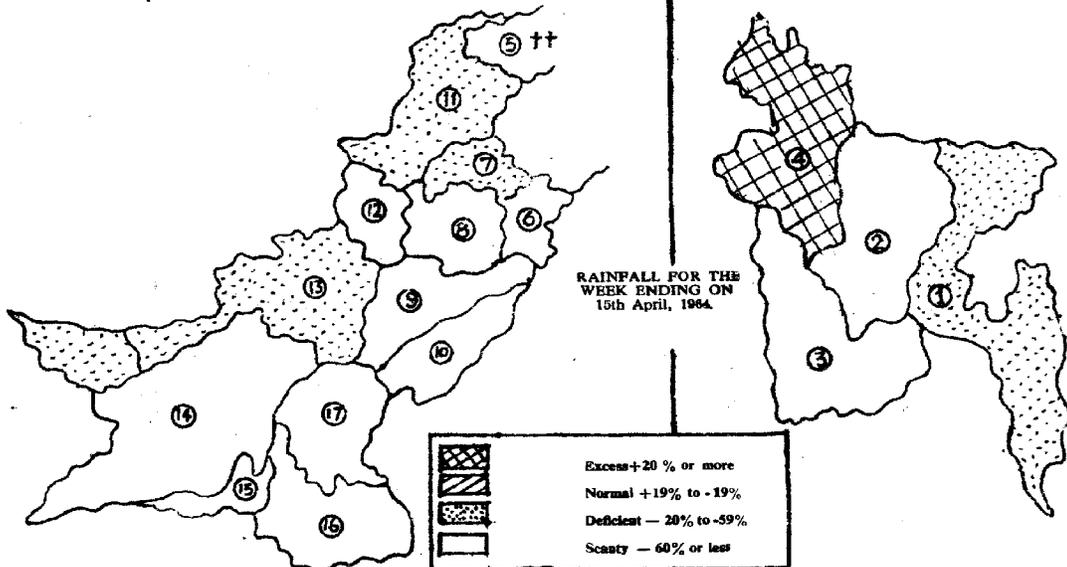
Rainfall for the period from 1st April, 1964 to-date was in excess in Chittagong division, normal in Khulna, Rajshahi and Rawalpindi divisions, deficient in Dacca, Lahore, Multan, Peshawar and Quetta divisions and scanty in Sargodha, D. I. Khan and Kalat divisions. No rain fell elsewhere over West Pakistan.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 15th April, 1964.			Rainfall for Period from 1st April, 1964 to 15th April, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.7	1.5	- 0.7	3.5	2.5	+ 1.0	+ 39
2. Dacca	0.4	1.2	- 0.8	1.5	2.0	- 0.5	- 25
3. Khulna	0	0.7	- 0.7	1.1	1.1	0	0
4. Rajshahi	0.8	0.5	+ 0.4	0.9	0.9	0	- 2
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.1	0.2	- 0.2	0.3	0.5	- 0.2	- 48
7. Rawalpindi	0.6	1.1	- 0.5	1.9	2.0	0	- 2
8. Sargodha	0.1	0.2	- 0.1	0.1	0.4	- 0.3	- 74
9. Multan	0	0.1	- 0.1	0.1	0.2	- 0.1	- 47
10. Bahawalpur	0	0.1	- 0.1	0	0.1	- 0.1	- 100
11. Peshawar	0.5	0.7	- 0.2	0.9	1.2	- 0.3	- 29
12. D. I. Khan	0	0.4	- 0.3	0	0.8	- 0.8	- 96
13. Quetta	0.1	0.2	- 0.1	0.2	0.5	- 0.3	- 56
14. Kalat	0	0.2	- 0.2	0.1	0.4	- 0.2	- 65
15. Karachi	0	0.1	- 0.1	0	0.4	- 0.4	- 100
16. Hyderabad	0	0	0	0	0	0	0
17. Khairpur	0	0.1	- 0.1	0	0.1	- 0.1	- 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 22nd April, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : Two western disturbances moved eastwards across the northern parts of the province during the first half of the week. These caused fairly widespread rain or thundershowers in the province on the 16th, 17th and the 19th and scattered to local on the 18th. A few very heavy falls occurred in Dacca division on the 17th and in Chittagong division on 18th. Norwesters with surface wind speed reaching 69 m. p. h. and 40 m. p. h. respectively hit Dacca on the 15th and the 16th evening. According to press reports 20 persons were feared killed in Mankiganj sub-Division in Dacca district on the 15th evening. Hail-stones and heavy rain accompanied the norwester and caused considerable damage to the standing crop in addition to the uprooting of trees and damage to houses. Thereafter under the influence of the seasonal trough of low pressure scattered to local rain or thundershowers occurred in Khulna division during the last three days of the week and in Chittagong and Dacca divisions respectively on the 20th and the 21st.

Chief amounts of rainfall recorded during the week were : Narayanganj and Dacca 4" each and Brahmanbaria 3" on the 17th; Comilla 4" on the 18th and Khulna 3" on the 20th.

Day temperatures were appreciably to markedly below normal in the province between the 17th and the 20th and in Dacca and Rajshahi divisions on the first day of the week.

WEST PAKISTAN : A western disturbance moved across the northern parts of the province in the beginning of the week. It caused widespread rain or thundershowers in Lahore, Rawalpindi, Sargodha and Peshawar divisions on the 16th and scattered to local in Quetta division on the same day and in Lahore, Rawalpindi, Sargodha and Peshawar divisions on the 17th. A few thunderstorms also occurred in Peshawar division on the 18th and light rain fell in D. I. Khan division on the 16th. Thereafter a feeble western disturbance moved to Afghanistan and adjoining areas and caused scattered thunderstorms or showers in Peshawar and Quetta divisions on the 20th. The disturbance while moving away eastwards caused scattered to local thunderstorms or showers in Rawalpindi, Peshawar and Quetta divisions on the 21st. Light rain also fell in D. I. Khan division during the last two days of the week and a few thunderstorms occurred in Quetta division on the last day of the week.

Chief amounts of rainfall recorded during the week were : Murree 2", Kakul 1½" and Rawalpindi, Islamabad and Drosh 1" each on the 16th.

Day temperatures were appreciably to markedly below normal in the northern and the central parts and appreciably above normal in the southern parts of the province during the first three days of the week. These were slightly below normal in Rawalpindi, Peshawar, Sargodha and Lahore divisions on the 19th and to the same extent above normal in most of the southern areas of the province during the last four days of the week.

2 CHITTAGONG DIVISION :	Widespread rain fell on one day and fairly widespread and scattered on two days each.
DACCA DIVISION :	Widespread rain fell on one day and fairly widespread and scattered on two days each.
KHULNA DIVISION :	Rainfall was widespread on one day and fairly widespread, local and scattered on two days each.
RAJSHAHI DIVISION :	Rainfall was fairly widespread and local on one day each and scattered on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread and local rain fell on one day each.
RAWALPINDI DIVISION :	Widespread, local and scattered rain fell on one day each.
SARGODHA DIVISION :	Fairly widespread and local rain fell on one day each.
MULTAN DIVISION :	} Weather remained dry.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Fairly widespread and local rain fell on one day each and scattered on two days.
D. I. KHAN DIVISION :	No rain fell during the week.
QUETTA DIVISION :	Scattered rain fell on one day.
KALAT DIVISION :	} Weather remained dry.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	} Data not available.
JUNAGADH :	

3. Based on the data of stations having normals, the week's rainfall was in large excess in Chittagong, Dacca, Lahore, Rawalpindi and Sargodha divisions, excess in Khulna division, normal in Rajshahi division, deficient in Peshawar division and scanty in D. I. Khan and Quetta divisions whereas no rain fell elsewhere in West Pakistan.

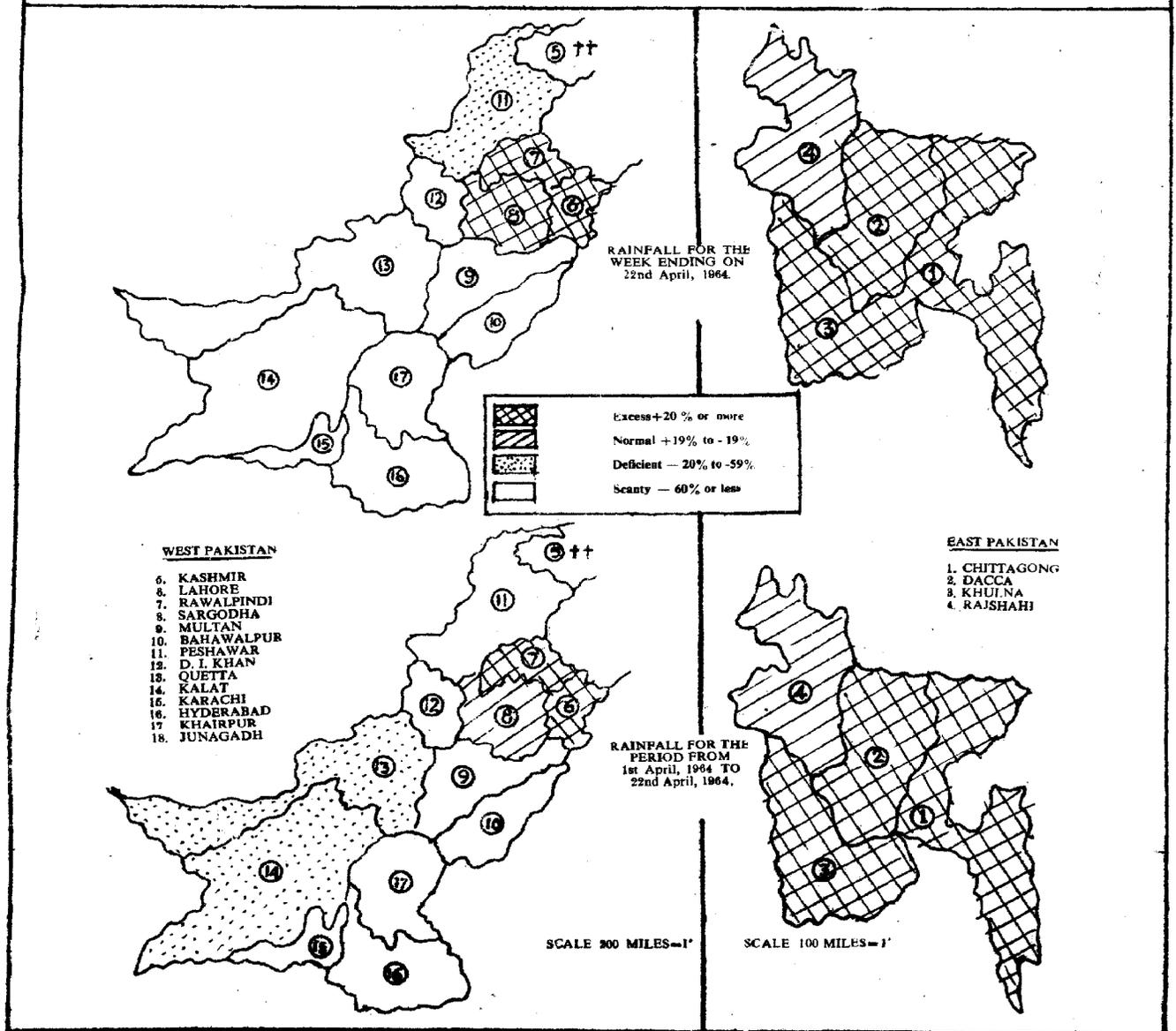
Rainfall for the period from 1st April, 1964 to-date was in large excess in Chittagong and Khulna divisions, in excess in Dacca, Lahore and Rawalpindi divisions, normal in Rajshahi and Sargodha divisions, deficient in Quetta and Kalat divisions and scanty in Multan, Peshawar and D. I. Khan divisions whereas no rain fell elsewhere in West Pakistan.

4. The table overleaf summaries the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 22nd April, 1964.			Rainfall for Period from 1st April, 1964 to 22nd April, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	4.6	1.5	+ 3.1	8.1	4.0	+ 4.1	+ 102
2. Dacca	3.4	1.3	+ 2.0	4.9	3.3	+ 1.5	+ 43
3. Khulna	4.1	1.0	+ 3.1	5.2	2.1	+ 3.1	+ 149
4. Rajshahi	0.7	0.7	+ 0.1	1.6	1.6	+ 0.1	+ 4
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.5	0.1	+ 0.4	0.8	0.6	+ 0.2	+ 27
7. Rawalpindi	1.8	0.6	+ 1.1	3.7	2.6	+ 1.1	+ 43
8. Sargodha	0.3	0.1	+ 0.2	0.5	0.6	- 0.1	- 19
9. Multan	0	0.1	- 0.1	0.1	0.3	- 0.2	- 64
10. Bahawalpur	0	0.1	- 0.1	0	0.2	- 0.2	- 100
11. Peshawar	0.4	0.5	- 0.1	0.8	1.7	- 1.0	- 64
12. D. I. Khan	0	0.2	- 0.2	0.1	1.0	- 1.0	- 94
13. Quetta	0.1	0.2	- 0.1	0.3	0.6	- 0.4	- 58
14. Kalat	0	0.1	- 0.1	0.1	0.4	- 0.2	- 52
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0	0	0	0	0	0
17. Khairpur	0.1	0.1	- 0.1	0	0.2	- 0.2	- 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
* Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 29th April, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN:—Last week's western disturbance moved away northeastwards across the northern parts of the province during the first two days of the week. It caused fairly widespread rain or thundershowers in Khulna division on these days and scattered to local elsewhere in province on the 23rd and only in Chittagong division on the 24th. Thereafter an active western disturbance affected the province during the last three days of the week. It caused local to widespread rain or thundershowers in the province on the last two days of the week and in the province outside Chittagong division on the 27th. Very heavy falls occurred in Dacca and Khulna divisions on the 28th. Scattered to local thunderstorms or showers were also reported from Chittagong and Rajshahi divisions on the 25th and the 26th and scattered thunderstorms from Chittagong division on the 27th.

Chief amounts of rainfall recorded during the week were:—Faridpur 6" and Narayanganj, Dacca and Jessore 4" each on the 28th and Barishal 3" on the 29th.

Day temperatures were appreciably below normal in Rajshahi, Khulna and Dacca divisions on the 29th, slightly so in the province on the 24th and the 25th and only in Rajshahi, Dacca and Khulna divisions on the 28th.

WEST PAKISTAN:—A feeble western disturbance which lay over Afghanistan and adjoining areas, caused light rain at a few places in Peshawar, D. I. Khan and Quetta divisions on the 24th. Thereafter while moving away northeastwards, it caused scattered to local thunderstorms or showers in Lahore, Rawalpindi, Multan and Peshawar divisions on the 25th and only in Rawalpindi and Peshawar divisions on next day. Light rain also fell at a few places in Lahore division on the 26th and scattered thunderstorms developed in Rawalpindi division the next day. Towards the end of the week another feeble western disturbance, moving across Kashmir and the adjoining areas of the province caused scattered to local rain or thunderstorms in Rawalpindi and Peshawar divisions respectively on the 28th and the 29th and scattered thunderstorms in Peshawar division on the 27th. Dross recorded $\frac{1}{2}$ " of rainfall on the 26th.

Karachi experienced a heat wave on the 26th when the day temperatures became markedly to considerably above normal in the division. These were generally appreciably above normal in the province during the week except for Peshawar, Quetta and Kalat divisions where these were slightly below normal on the 26th and only in Quetta divisions on the 28th.

2. CHITTAGONG DIVISION :	Local rain fell on two days and scattered on four days.
DACCA DIVISION :	Widespread and fairly widespread rain fell on one day each and scattered on two days.
KHULNA DIVISION :	Widespread rain fell on four days and fairly widespread on one day.
RAJSHAHI DIVISION :	Local rain fell on five days and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather was mainly dry.
RAWALPINDI DIVISION :	Local and scattered rain fell on one day each.
SARGODHA DIVISION :	} No rain fell during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Scattered rain fell on three days.
D. I. KHAN DIVISION :	Weather was mainly dry.
QUETTA DIVISION :	No rain fell during the week.
KALAT DIVISION :	} Weather remained dry.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPURDIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Dacca and Khulna divisions; in excess in Rajshahi division; deficient in Rawalpindi division and scanty in Chittagong, Lahore, D. I. Khan and Quetta divisions whereas no rain fell elsewhere in the province during the week.

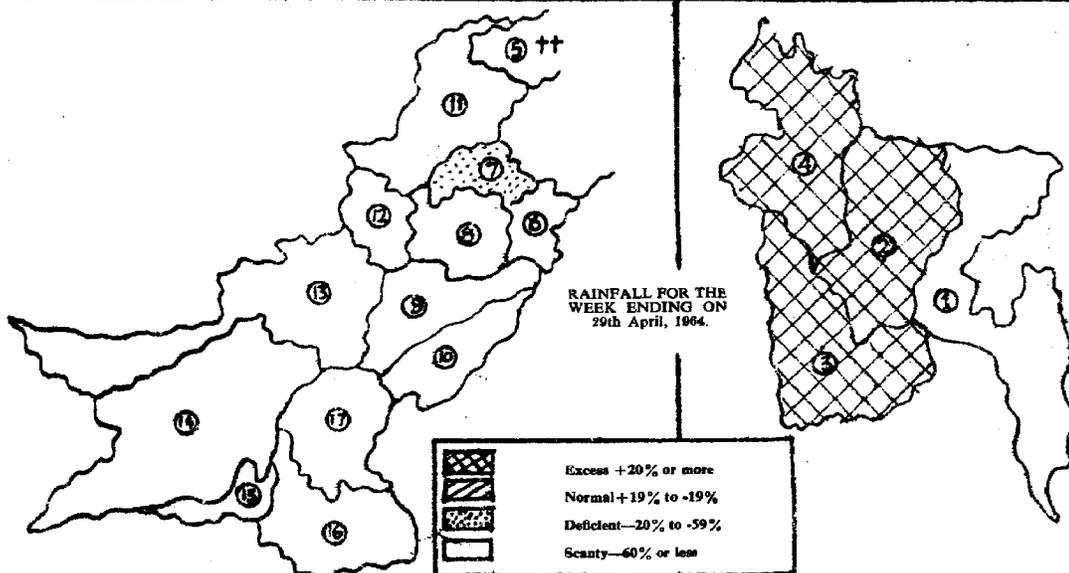
Rainfall for the period from 1st April, 1964 to-date was in large excess in Dacca and Khulna divisions; in excess in Chittagong, Rajshahi and Rawalpindi divisions; normal in Lahore division; deficient in Sargodha division and scanty in Multan, Peshawar, D. I. Khan, Quetta and Kalat divisions whereas no rain fell elsewhere in West Pakistan.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

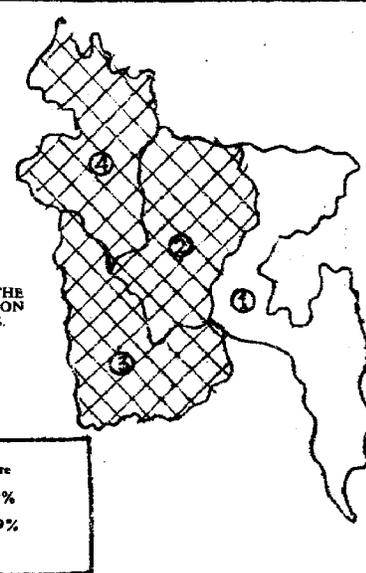
DIVISION.	Rainfall for week ending on 29th April, 1964.			Rainfall for Period from 1st April, 1964 to 29th April, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.7	2.0	- 1.3	8.8	6.0	+ 2.8	+ 47
2. Dacca	4.3	1.7	+ 2.6	9.2	5.0	+ 4.2	+ 83
3. Khulna	4.3	1.2	+ 3.1	9.5	3.3	+ 6.2	+ 191
4. Rajshahi	1.6	1.0	+ 0.5	3.2	2.6	+ 0.6	+ 23
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0.2	- 0.1	0.8	0.8	0	+ 5
7. Rawalpindi	0.3	0.5	- 0.2	4.0	3.1	+ 0.9	+ 30
8. Sargodha	0	0.1	- 0.1	0.5	0.7	- 0.3	- 35
9. Multan	0	0.1	- 0.1	0.1	0.3	- 0.2	- 72
10. Bahawalpur	0	0	0	0	0.2	- 0.2	- 100
11. Peshawar	0.	0.6	- 0.6	0.8	2.3	- 1.5	- 67
12. D. I. Khan	0	0.1	- 0.1	0.1	1.1	- 1.0	- 92
13. Quetta	0	0.1	- 0.1	0.3	0.8	- 0.5	- 65
14. Kalat	0	0	0	0.1	0.5	- 0.3	- 73
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0.1	- 0.1	0	0.1	- 0.1	- 100
17. Khairpur	0	0	0	0	0.2	- 0.2	- 100
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



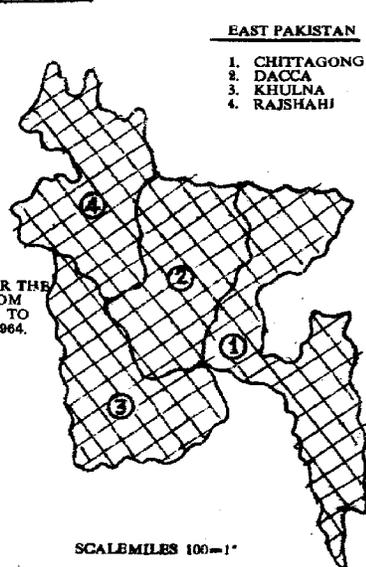
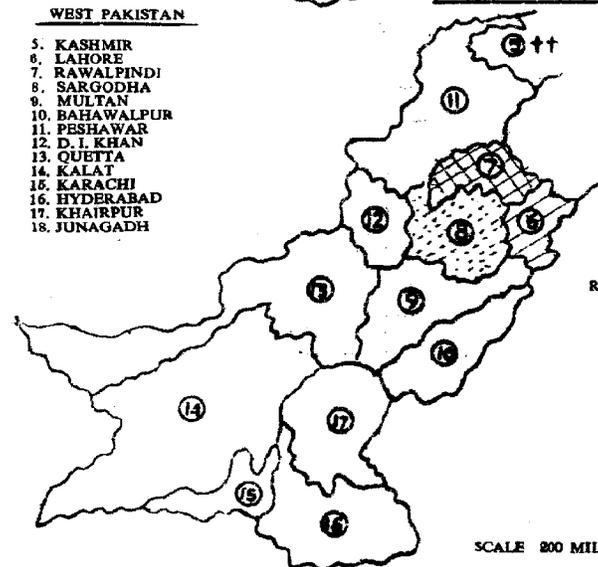
WEST PAKISTAN

- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH



EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAH



SCALE 200 MILES=1"

SCALE MILES 100=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 6th May, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : A western disturbance lay over north Bihar and adjoining areas on the 1st. It moved away eastwards across the northern parts of the province by the 3rd. Under its influence local to fairly widespread rain or thundershowers occurred in the province during the first three days of the week except for light rain that fell in Rajshahi division on the 30th. According to news-paper reports a large number of huts and even pucca houses were blown away by a norwester which swept over Rangpur, Kurigan and a part of Gaibanda sub-division on Saturday the 2nd May, 1964. The storm also uprooted trees and twisted telegraph poles besides damage to property. No loss of life was, however, reported.

Towards the end of the week generally local rain or thundershowers occurred in the province on the 5th and the 6th due to the accentuation of the seasonal trough of low pressure over Chota Nagpur, Bihar and adjoining areas. Scattered to local rain or thundershowers also occurred in Chittagong division on the 3rd and the 4th and in Dacca division only on the 4th and light rain or thundershowers at a few places elsewhere in the province on these days. Very heavy rain fell at some places in Chittagong division on the 1st and the 5th.

Chief amounts of rainfall recorded during the week were: Sylhet 5" and Brahmanbaria 3" on the 1st; Sylhet 5" on the 5th and Srimangal and Rangpur 3" each on the 6th.

Day temperatures were appreciably below normal in the northern areas of the province during the last three days of the week and slightly so in the province during the first three days.

WEST PAKISTAN : Last week's western disturbance moved away eastwards after causing scattered to local thunderstorms in Rawalpindi and Peshawar divisions on the 30th. Another feeble western disturbance that subsequently moved across the northern parts of the province and Kashmir caused scattered to local thunderstorms or showers in Rawalpindi division on the 3rd and the 4th and in Peshawar divisions between the 3rd and the 5th. A few dust storms were also reported from Sargodha and Lahore divisions respectively on the 3rd and the 4th.

Day temperatures were slightly to appreciably above normal in the province outside D. I. Khan and Quetta divisions during the first six days of the week and only in Lahore, Rawalpindi, Peshawar, Sargodha, Karachi, Hyderabad and coastal Kalat divisions on the last day.

2 CHITTAGONG DIVISION :	Local rain fell on six days and scattered on one day.
DACCA DIVISION :	Fairly widespread rain fell on two days, local on three days and scattered on one day.
KHULNA DIVISION :	Fairly widespread and local rain fell on one day each and scattered on three days.
RAJSHAHI DIVISION :	Rainfall was fairly widespread on three days and local on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained dry.
RAWALPINDI DIVISION :	Weather remained mainly dry.
SARGODHA DIVISION :	} Weather remained dry during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Scattered rain fell on one day.
D. I. KHAN DIVISION :	} Weather remained dry during the week.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	} Data not available.
JUNAGADH :	

3. Based on data of the stations having normals, the week's rainfall was in large excess in Dacca and Rajshahi divisions, in excess in Chittagong division, deficient in Khulna division and scanty in Rawalpindi division whereas no rain fell elsewhere in West Pakistan.

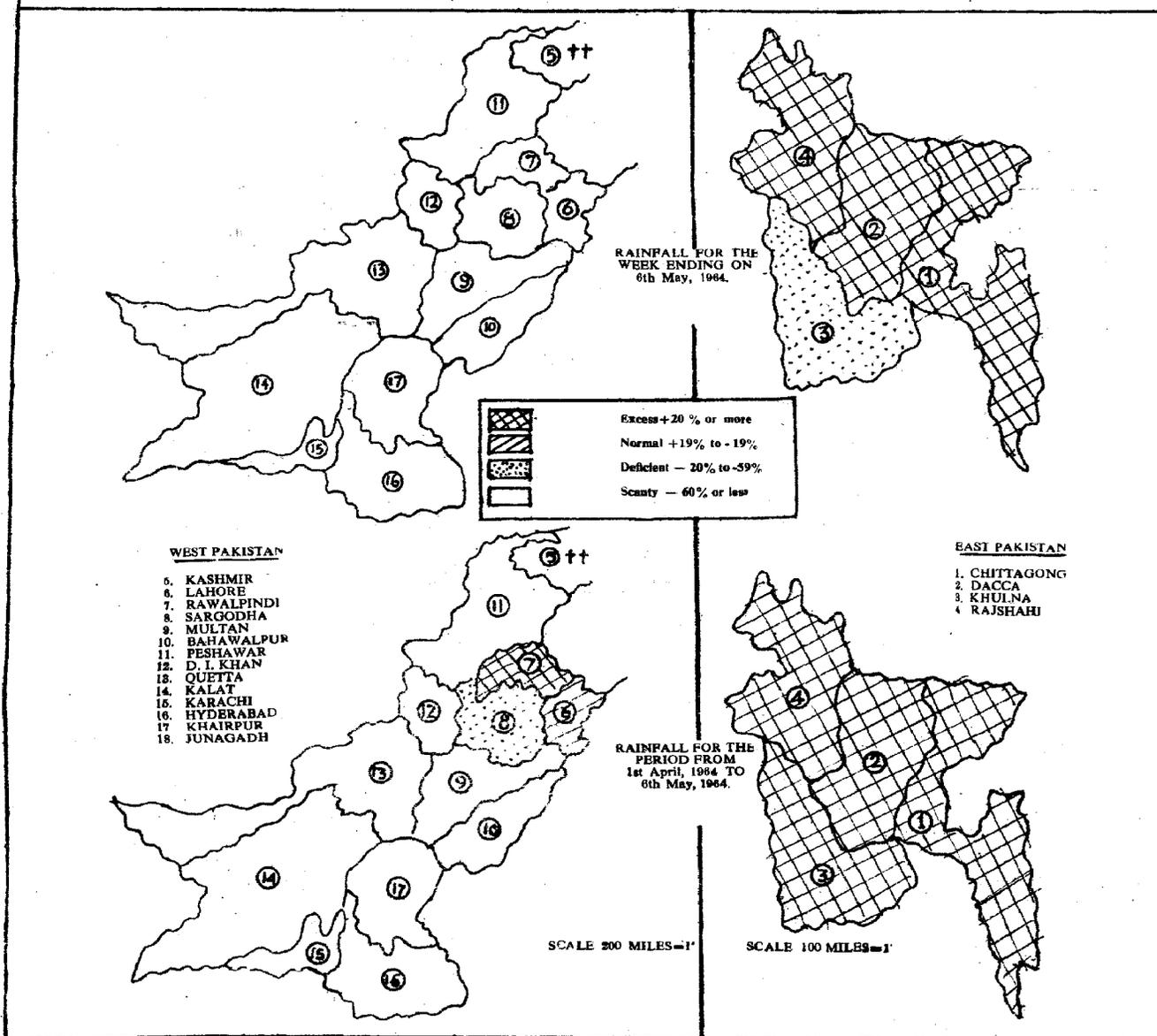
The rainfall for the period from 1st April, 1964 to-date was in large excess in Dacca, Khulna and Rajshahi divisions; in excess in Chittagong and Rawalpindi divisions; normal in Lahore division; deficient in Sargodha division and scanty in Multan, Peshawar, D. I. Khan, Quetta and Kalat divisions whereas no rain fell elsewhere in West Pakistan.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 6th May, 1964.			Rainfall for Period from 1st April, 1964 to 6th April, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	3.3	2.6	+ 0.7	12.1	8.6	+ 3.6	+ 42
2. Dacca	3.5	1.9	+ 1.6	12.7	6.9	+ 5.8	+ 83
3. Khulna	0.9	1.5	- 0.6	10.4	4.8	+ 5.6	+ 117
4. Rajshahi	3.6	1.2	+ 2.4	6.8	3.8	+ 3.0	+ 79
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.1	- 0.1	0.8	0.9	- 0.1	- 12
7. Rawalpindi	0.1	0.3	- 0.2	4.1	3.4	+ 0.8	- 23
8. Sargodha	0	0.1	- 0.1	0.5	0.8	- 0.3	- 42
9. Multan	0	0.1	- 0.1	0.1	0.4	- 0.3	- 76
10. Bahawalpur	0	0	0	0	0.2	- 0.2	- 100
11. Peshawar	0	0.2	- 0.2	0.8	2.5	- 1.7	- 69
12. D. I. Khan	0	0.1	- 0.1	0.1	1.2	- 1.1	- 92
13. Quetta	0	0.1	- 0.1	0.3	0.8	- 0.6	- 68
14. Kalat	0	0	0	0.1	0.5	- 0.4	- 73
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0.1	- 0.1	0	0.1	- 0.1	- 100
17. Khairpur	0	0.1	- 0.1	0	0.2	- 0.2	- 100
18. Junagadh	—	—	—	—	—	—	—

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 † Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 13th May, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN:—A low pressure area that developed in the south Bay of Bengal during the last week moved north-northeastwards into the east Central Bay on the first day of the week. Continuing to move in the same direction, it concentrated into a depression on the 8th morning with its centre lying at 0300 hours GMT within one degree of Latitude 16°N and longitude 91.5°E. It crossed Arakan coast in the morning of the 9th and subsequently moved away northeastwards. Under its influence well marked incursion of moist air took place in Chittagong division on the 10th when a thunderstorm accompanied with strong winds hit Chittagong port. According to press reports winds of 60 m. p. h blew there for about 45 minutes. As many as six vessels were affected. According to another report the depression swept over Dallah and Nangto towns across the Rangoon river on the same day. About 300 houses were ripped apart, one person was killed and several injured. The total damage was estimated at 9 50000 Kyats (9,500.00 Rupees). Simultaneously a western disturbance moved across the northern areas of the province and caused generally widespread rain or thundershowers in the province on the 11th and scattered to local during the next two days. According to newspaper reports, a norwester affected Rajbari in Faridpur district on the 10th and nine people were feared drowned when a ferry boat capsized in river Pa Jama.

Earlier during the week, under the influence of the seasonal trough of low pressure which lay well marked, scattered to local rain or thundershowers occurred in the province on the 7th and the 10th and were fairly widespread over there outside Khulna division on the 8th and only in Dacca and Rajshahi divisions on the 9th. A few very heavy falls were reported from Dacca division on the 8th and again on the 12th.

Chief amounts of rainfall recorded during the week were: Narayanganj 4" and Brahmanbaria 3" on the 8th and Mymensingh 5" on the 12th.

Day temperatures were appreciably below normal in the province on the 11th and the 13th and only in Rajshahi division during the first three days of the week and again on the 12th.

WEST PAKISTAN: Under the influence of a feeble western disturbance that moved across the northern areas of the province, scattered thunderstorms occurred in Lahore, Rawalpindi, Sargodha and Multan divisions on the 11th and 12th and in Peshawar division only on the 11th. Weather, otherwise, remained dry during the week except for a few thunderstorms that occurred in Peshawar division on the 9th and duststorms in Sargodha and Khairpur divisions on the last day of the week.

Day temperatures were appreciably above normal in the province outside Quetta, Kalat, Karachi and Hyderabad divisions during the first four days of the week and to the same extent below normal in Lahore, Rawalpindi, Sargodha, Multan and Bahawalpur divisions on the 12th and the 13th.

2 CHITTAGONG DIVISION :	Rainfall was fairly widespread on two days and local on four days.
DACCA DIVISION :	Widespread and fairly widespread rain fell on one day each, local on two days and scattered on the remaining three days
KHULNA DIVISION :	Rainfall was widespread and local on one day each and scattered on three days.
RAJSHAH DIVISION :	Widespread, fairly widespread and local rain fell on two days each and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	} No rain fell during the week.
RAWALPINDI DIVISION :	
SARGODHA DIVISION :	
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	
D. I. KHAN DIVISION :	
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	} Data not available.
KHAIRPUR DIVISION :	
JUNAGADH :	

3. Based on data of the stations having normals, the week's rainfall was in large excess in Dacca and Rajshahi divisions; normal in Chittagong division; deficient in Khulna division and scanty in Lahore and Sargodha divisions, whereas no rainfall elsewhere in West Pakistan.

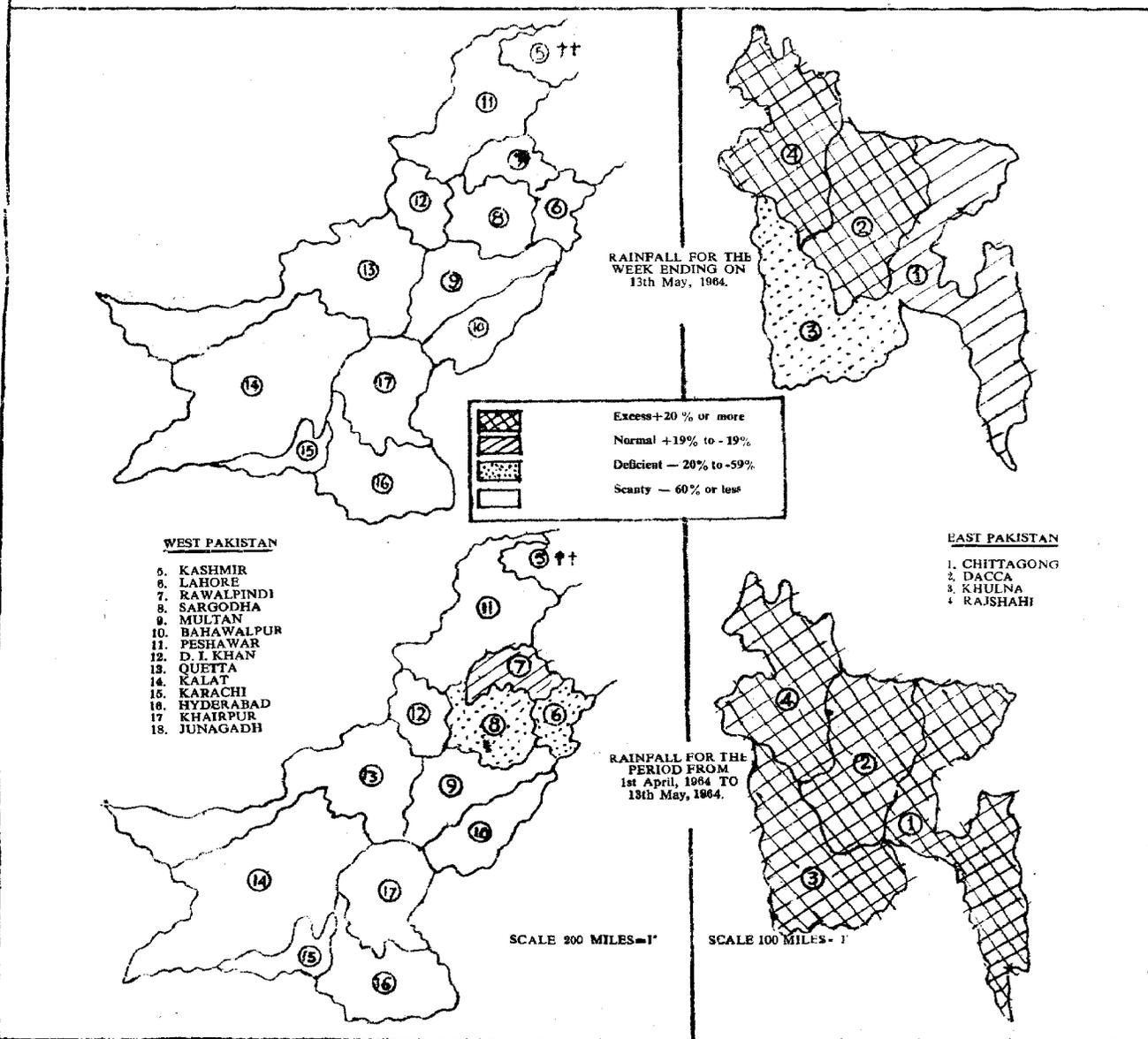
Rainfall for the period from 1st April, 1964 to-date was in large excess in Dacca, Khulna and Rajshahi divisions; in excess in Chittagong division; normal in Rawalpindi division; deficient in Lahore and Sargodha divisions and scanty in Multan, Peshawar, D. I. Khan, Quetta and Kalat divisions. No rain fell elsewhere in West Pakistan.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 13th May, 1964.			Rainfall for Period from 1st April, 1964 to 13th May, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	2.6	2.6	0	14.7	11.1	+ 3.6	+ 32
2. Dacca	4.3	2.2	+ 2.1	17.0	9.1	+ 7.9	+ 87
3. Khulna	1.3	1.9	- 0.5	11.7	6.6	+ 5.1	+ 76
4. Rajshahi	3.7	1.5	+ 2.2	10.5	5.3	+ 5.2	+ 98
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.2	- 0.2	0.8	1.2	- 0.3	- 29
7. Rawalpindi	0	0.6	- 0.6	4.1	3.9	+ 0.2	+ 5
8. Sargodha	0	0.2	- 0.1	0.5	1.0	- 0.5	- 50
9. Multan	0	0.1	- 0.1	0.1	0.5	- 0.4	- 81
10. Bahawalpur	0	0	0	0	0.3	- 0.3	- 100
11. Peshawar	0	0.1	- 0.1	0.8	3.0	- 2.3	- 75
12. D. I. Khan	0	0.1	- 0.1	0.1	1.3	- 1.2	- 93
13. Quetta	0	0.1	- 0.1	0.3	0.9	- 0.7	- 71
14. Kalat	0	0	0	0.1	0.5	- 0.4	- 75
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0	0	0	0.1	- 0.1	- 100
17. Khairpur	0	0.1	- 0.1	0	0.3	- 0.3	- 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 20th May, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : Under the influence of the seasonal trough of low pressure over West Bengal and adjoining areas scattered thunderstorms/showers occurred in the province during the first two days of the week except for Dacca division on the 14th. Thereafter two western disturbances moved across the northern parts of the province during the last four days of the week. These caused local to fairly widespread rain or thundershowers in Chittagong division between the 17th and the 20th and in Dacca and Rajshahi divisions on the 17th, 18th and the 19th. Local rain fell in Khulna division on the 20th and scattered thunderstorms developed in Khulna and Dacca divisions respectively on the 18th and the 20th. Light rain also fell in Chittagong division on the 16th and in Khulna division on the next day.

Chief amounts of rainfall recorded during the week were: Chittagong, Comilla, Sylhet, Srimangal, Narayanganj, Dacca and Bogra 2" each on the 19th and Khulna 2" on the 20th.

Day temperatures were appreciably below normal in the province on the 14th, 19th and the 20th and to the same extent above normal in Rajshahi and Khulna divisions on the 18th.

WEST PAKISTAN : An active western disturbance moved across the northern areas of the province during the first three days of the week. It caused widespread rain or thundershowers in Lahore, Rawalpindi and Bahawalpur divisions and scattered to local in Sargodha division on the 14th, in Peshawar division between the 14th and the 16th and in D. I. Khan, Quetta and Kalat divisions on the 15th. Scattered to local duststorms or thunderstorms also occurred in Multan division on the 14th; in Sargodha, Multan, Bahawalpur and Khairpur divisions on the 15th and in Rawalpindi and Multan divisions respectively on the 16th and the 17th. Towards the end of the week, another active western disturbance affected the northern areas of the province, with its associated trough extending southwards. It initially caused scattered rain or thundershowers in Peshawar and Khairpur divisions on the last day of the week. According to news paper reports a squall with surface wind reaching 52 m.p.h. was experienced in Rawalpindi on the 13th evening.

Chief amounts of rainfall recorded during the week were:—Rawalpindi and Haripur $1\frac{1}{2}$ " each on the 14th and Parachinar 1" on the 15th.

Day temperatures were appreciably to markedly below normal in the province outside Quetta, Kalat, Karachi and Hyderabad divisions on the 14th and the 15th and only in Lahore, Sargodha, Multan, D. I. Khan, Bahawalpur and Khairpur divisions on the 16th. These were appreciably above normal in the southern and coastal part of the province on the 18th and the 19th and only in Quetta division the next day.

2. CHITTAGONG DIVISION :	Rainfall was fairly widespread on three days and scattered on two days.
DACCA DIVISION :	Widespread and scattered rain fell on two days each.
KHULNA DIVISION :	Local and scattered rain fell on one day each.
RAJSHAHI DIVISION :	Rainfall was fairly widespread on one day and local on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread rain fell on one day.
RAWALPINDI DIVISION :	Widespread and scattered rain fell on one day each.
SARGODHA DIVISION :	Local rain fell on one day.
MULTAN DIVISION :	Weather remained mainly dry during the week.
BAHAWALPUR DIVISION :	Widespread rain fell on one day.
PESHAWAR DIVISION :	Local rain fell on one day and scattered on three days.
D. I. KHAN DIVISION :	} Scattered rain fell on one day.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	} Weather remained dry during the week.
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	Scattered rain fell on one day.
JUNAGADH :	Data not available.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Lahore, Rawalpindi, Bahawalpur and Kalat divisions, in excess in Chittagong division, normal in Dacca, Khulna, Rajshahi, Sargodha and Peshawar divisions, deficient in Quetta division and scanty in Multan and D. I. Khan divisions whereas no rain fell in Khairpur, Karachi and Hyderabad divisions.

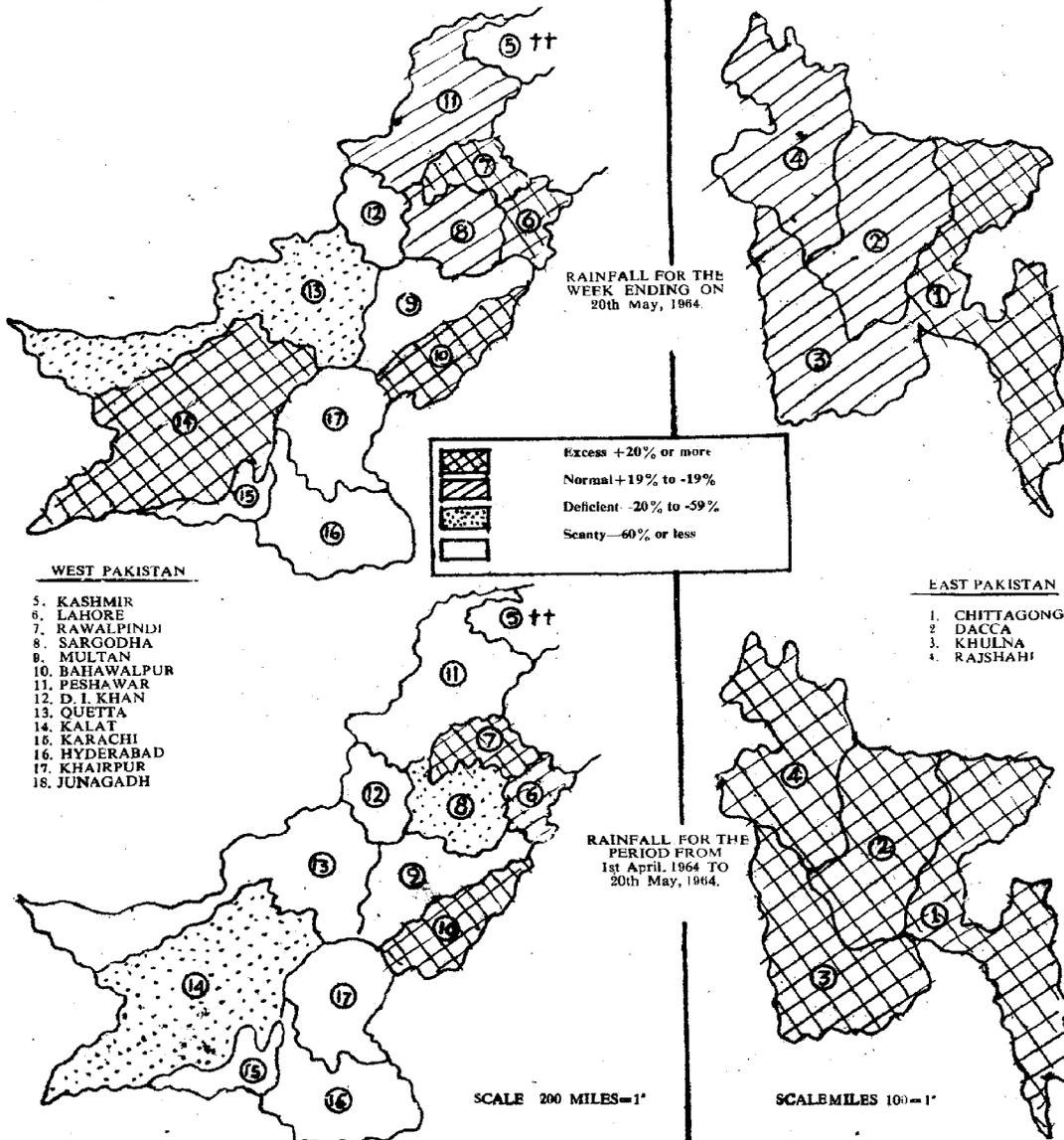
The rainfall for the period from 1st April, 1964 to-date was in large excess in Dacca, Khulna and Rajshahi divisions, in excess in Chittagong, Rawalpindi and Bahawalpur divisions, normal in Lahore division, deficient in Sargodha and Kalat divisions and scanty elsewhere in West Pakistan outside Karachi, Khairpur and Hyderabad divisions where no rain has fallen so far.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

DIVISION	Rainfall for week ending on 20th May, 1964.			Rainfall for Period from 1st April, 1964 to 20th May, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	3.0	2.4	+ 0.6	17.7	13.6	+ 4.2	+ 31
2. Dacca	2.3	2.0	+ 0.3	19.3	11.1	+ 8.2	+ 74
3. Khulna	1.1	1.3	- 0.2	12.8	7.9	+ 4.9	+ 62
4. Rajshahi	1.5	1.7	- 0.2	12.0	6.9	+ 5.0	+ 72
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.6	0.2	+ 0.4	1.4	1.4	0	+ 3
7. Rawalpindi	1.3	0.4	+ 0.9	5.5	4.3	+ 1.1	+ 25
8. Sargodha	0.2	0.2	0	0.7	1.2	- 0.5	- 41
9. Multan	0	0.1	- 0.1	0.1	0.5	- 0.4	- 78
10. Bahawalpur	0.4	0.1	+ 0.3	0.4	0.3	+ 0.1	+ 31
11. Peshawar	0.2	0.3	- 0.1	1.0	3.3	- 2.3	- 70
12. D. I. Khan	0.1	0.2	- 0.1	0.1	1.4	- 1.3	- 90
13. Quetta	0.1	0.1	- 0.1	0.3	1.0	- 0.7	- 69
14. Kalat	0.1	0.1	+ 0.1	0.3	0.6	- 0.3	- 58
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0	0	0	0.2	- 0.2	- 100
17. Khairpur	0	0	0	0	0.3	- 0.3	- 100
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 27th May, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN:—A western disturbance moved from Bihar to Assam during the first two days of the week. It caused widespread rain or thundershowers in Dacca, Khulna and Rajshahi divisions on the 22nd and local in Chittagong division both on the 21st and the 22nd.

Thereafter another western disturbance moved across the extreme north of the province between the 24th and the 26th. It caused local to fairly widespread rain or thundershowers in Dacca and Khulna divisions and scattered in Rajshahi division on the 25th and scattered in Chittagong and Rajshahi divisions on the preceding day. A few thunderstorms also occurred in Chittagong division on the 25th and the 26th and in Khulna division only on the 26th.

Chief amounts of rainfall recorded during the week were Cox's Bazar 2", Brahmanbaria 1½" and Sylhet 1" on the 21st, Comilla 3", Khulna 2" and Narayanganj, Faridpur, Sirajganj and Bogra 1" each on the 22nd; Sylhet ¾" on the 24th and Khulna 1½" on the 25th.

Day temperatures were appreciably above normal practically over the whole province during the last four days of the week and nearly normal during the first three days.

WEST PAKISTAN:—Last week's western disturbance and its associated trough moved away eastwards on the first day of the week after causing widespread rain or thundershowers in Peshawar division, fairly widespread in Lahore and Rawalpindi divisions, local in Sargodha division and a few duststorms in Multan, D. I. Khan, Quetta and Kalat divisions on the 21st.

Another western disturbance closely followed it and moved across the north of the province during the next two days while its associated trough moved across Lahore and Multan divisions. Under their influence fairly widespread rain or thundershowers occurred in Rawalpindi and Sargodha divisions, local in Lahore division and scattered in Peshawar division on the 22nd and local in Rawalpindi division and scattered in Lahore and Peshawar divisions and a few duststorms in Multan and Kairpur divisions on the 23rd.

A western disturbance moved thereafter across east Russian Turkistan during the last two days of the week while its associated trough moved across Kashmir and neighbourhood. It caused local thunderstorms or showers in Rawalpindi division and scattered in Lahore and Peshawar divisions on the 26th and a few thunderstorms in Sargodha and Multan divisions the next day.

Chief amounts of rainfall recorded during the week were Murree and Drosh 1" each and Sialkot and Parachinar ¾" each on the 21st; Cherat 1" on the 22nd and Jhelum ½" on the 26th.

Day temperatures were appreciably below normal in Lahore, Rawalpindi, Sargodha and Peshawar divisions on the 21st and 26th and markedly to considerably so practically throughout the province outside Karachi, Hyderabad and Kalat divisions during the rest of the week. These were appreciably above normal in the last two divisions between the 25th and the 27th.

2. CHITTAGONG DIVISION :	Local rain fell on two days and scattered on one day.
DACCA DIVISION :	Widespread and local rain fell on one day each.
KHULNA DIVISION :	Rainfall was widespread and fairly widespread on one day each.
RAJSHAHI DIVISION :	Widespread rain fell on one day and scattered on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Rainfall was local on one day and scattered on two days.
RAWALPINDI DIVISION :	Fair widespread rain fell on two days and scattered on one day.
SARGODHA DIVISION :	Local and scattered rain fell on one day each.
MULTAN DIVISION :	Weather remained dry during the week.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Widespread and scattered rain fell on one day each.
D. I. KHAN DIVISION :	Weather remained dry during the week.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	Data not available.
JUNAGADH :	

3. Based on data of the stations having normals, the week's rainfall was in large excess in Lahore, Rawalpindi, Sargodha and Peshawar divisions; deficient in Chittagong and Khulna divisions and scanty in Dacca and Rajshahi divisions whereas no rain fell elsewhere over West Pakistan.

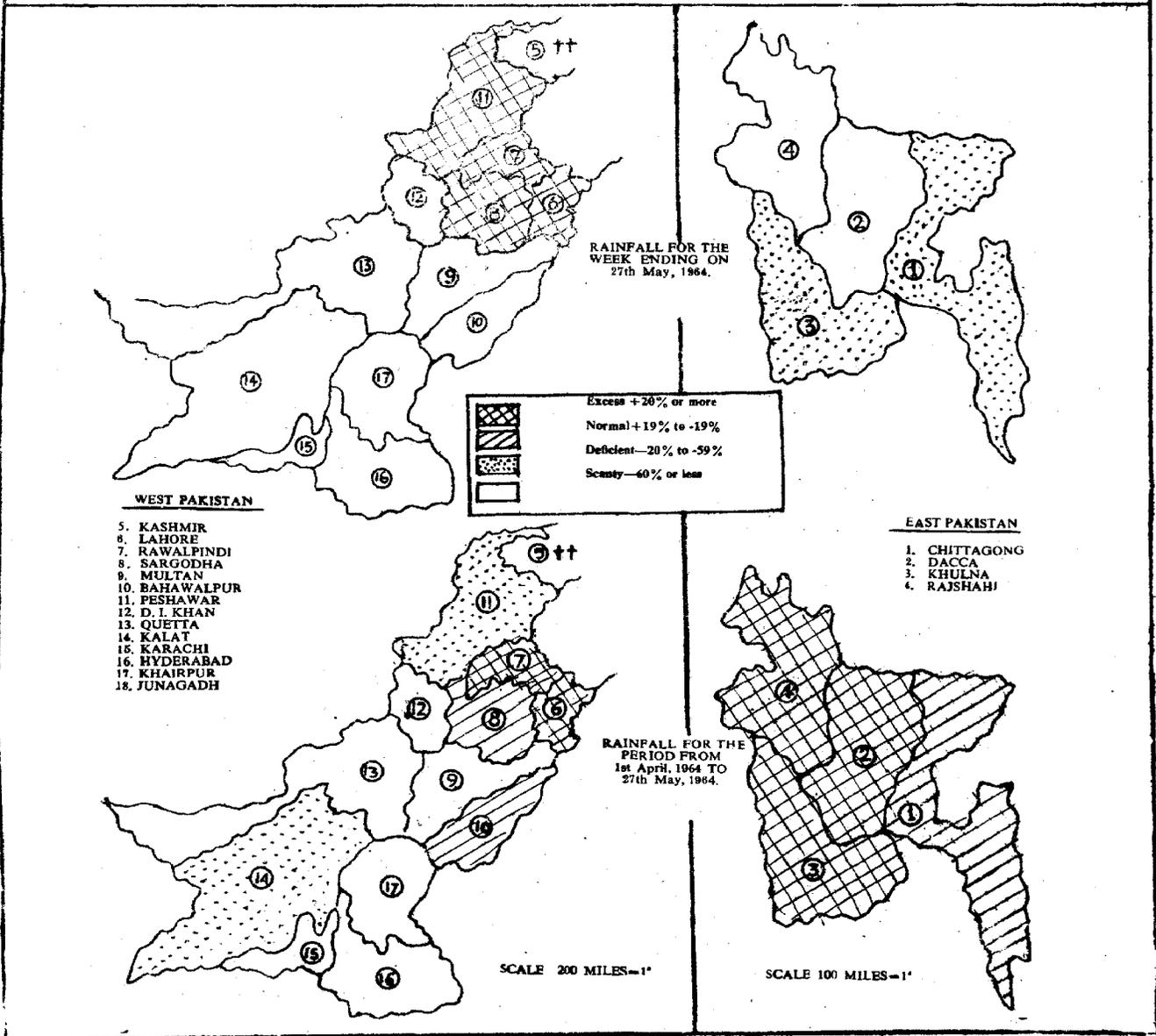
Rainfall for the period from 1st April, 1964 to-date was in excess in Dacca, Khulna, Rajshahi, Lahore and Rawalpindi divisions; normal in Chittagong, Sargodha and Bahawalpur divisions deficient in Peshawar and Kalat divisions and scanty in Multan, D. I. Khan and Quetta divisions whereas no rain fell elsewhere.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st April, 1964 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 27th May, 1964.			Rainfall for Period from 1st April, 1964 to 27th May, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	1.7	3.1	- 1.5	19.4	16.7	+ 2.7	+ 16
2. Dacca	0.8	2.8	- 2.0	20.1	13.9	+ 6.2	+ 45
3. Khulna	1.5	2.0	- 0.5	14.2	9.9	+ 4.3	+ 44
4. Rajshahi	0.9	2.5	- 1.5	12.9	9.4	+ 3.5	+ 37
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.7	0.2	+ 0.5	2.1	1.5	+ 0.5	+ 35
7. Rawalpindi	1.1	0.5	+ 0.6	6.6	4.9	+ 1.7	+ 34
8. Sargodha	0.5	0.1	+ 0.3	1.1	1.3	- 0.1	- 10
9. Multan	0	0.1	- 0.1	0.1	0.7	- 0.5	- 82
10. Bahawalpur	0	0.1	- 0.1	0.4	0.4	0	+ 8
11. Peshawar	0.8	0.2	+ 0.7	1.8	3.5	- 1.7	- 48
12. D. I. Khan	0	0.1	- 0.1	0.1	1.5	- 1.4	- 91
13. Quetta	0	0.1	- 0.1	0.3	1.1	- 0.4	- 72
14. Kalat	0	0	0	0.3	0.6	- 0.3	- 58
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0.1	- 0.1	0	0.2	- 0.2	- 100
17. Khairpur	0	0	0	0	0.3	- 0.3	- 100
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01.
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 3rd June, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: The seasonal trough of low pressure over West Bengal and adjoining areas became well marked during the middle of the week and caused scattered to local thunderstorms or showers in the province on the 1st, in Chittagong and Dacca divisions the next day and in Chittagong and Rajshahi divisions on the 31st. Scattered thunderstorms or showers also occurred in Chittagong division on the 29th, 30th and the 3rd and light rain fell in Rajshahi division on the last day of the week.

Cox's Bazar and Dinajpur recorded $1\frac{1}{2}$ " of rainfall on the 31st and Sylhet on the 2nd.

Day temperatures were appreciably above normal in most of the province during the week except for southern Chittagong division where these were appreciably below normal on the 31st.

WEST PAKISTAN: The western disturbance moved across the northern areas of the province during the first six days of the week while their associated trough moved across the central parts of West Pakistan. The first of these two caused local to fairly widespread thunderstorms in Lahore, Rawalpindi, Sargodha, Multan and Peshawar divisions on the 28th and scattered thunderstorms in Rawalpindi, Multan and Quetta divisions the next day. Scattered thunderstorms were also reported from Bahawalpur and D. I. Khan divisions on the first day of the week and a few thunderstorms from Quetta division on the 30th. The second western disturbance caused scattered to local rain or thundershowers in Peshawar, D. I. Khan and Quetta divisions on the 31st, in Lahore, Peshawar, Quetta, Hyderabad and Khairpur divisions on the 2nd and local to fairly widespread thunderstorms or showers in Rawalpindi, Sargodha, Bahawalpur and Peshawar divisions a day before. Scattered duststorms or thunderstorms were also reported from Rawalpindi and Sargodha divisions respectively on the 2nd and the 3rd, from Multan division between the 31st and the 3rd, from Bahawalpur, D. I. Khan and Kalat divisions on the 2nd and from Bahawalpur and Hyderabad divisions on the 3rd.

Another western disturbance appeared over Afghanistan and adjoining areas of West Pakistan on the last day of the week and caused scattered rain or thundershowers in Peshawar, D. I. Khan and Quetta divisions the same day.

Parachinar recorded $\frac{3}{4}$ " of rainfall on the 31st.

Day temperatures were appreciably to markedly below normal in most of West Pakistan during the last three days of the week and outside Hyderabad division on the 29th. These were appreciably above normal in Hyderabad division and to the same extent below normal in Lahore, Sargodha, Multan and Peshawar divisions between the 29th and the 31st.

2. CHITTAGONG DIVISION :	Local rain fell on two days and scattered on four days.
DACCA DIVISION :	Scattered rain fell on two days.
KHULNA DIVISION :	Local rain fell on one day.
RAJSHAHI DIVISION :	Scattered rain fell on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Scattered rain fell on one day.
RAWALPINDI DIVISION :	No rain fell during the week.
SARGODHA DIVISION :	Local rain fell on one day.
MULTAN DIVISION :	No rain fell during the week.
BAHAWALPUR DIVISION :	Local rain fell on one day.
PESHAWAR DIVISION :	Local rain fell on one day and scattered on three days.
D. I. KHAN DIVISION :	Scattered rain fell on two days.
QUETTA DIVISION :	Scattered rain fell on three days.
KALAT DIVISION :	No rain fell during the week.
KARACHI DIVISION :	Weather remained dry.
HYDERABAD DIVISION :	Scattered rain fell on one day.
KHAIRPUR DIVISION :	Local rain fell on one day.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Sargodha, Peshawar and Khairpur divisions; in excess in Bahawalpur division; deficient in Lahore, Quetta and Hyderabad divisions and scanty elsewhere in the country outside Kalat, Multan and Karachi divisions where no rain fell during the week.

The rainfall for the period from 1st April 1964 to 31st May 1964 was in excess in Dacca, Khulna, Lahore and Rawalpindi divisions; normal in Chittagong, Rajshahi, Sargodha and Bahawalpur divisions; deficient in Peshawar and Kalat divisions and scanty in Multan, D. I. Khan and Quetta divisions whereas no rain fell elsewhere in West Pakistan during the period.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st April 1964 to 31st May 1964.

Karachi—11

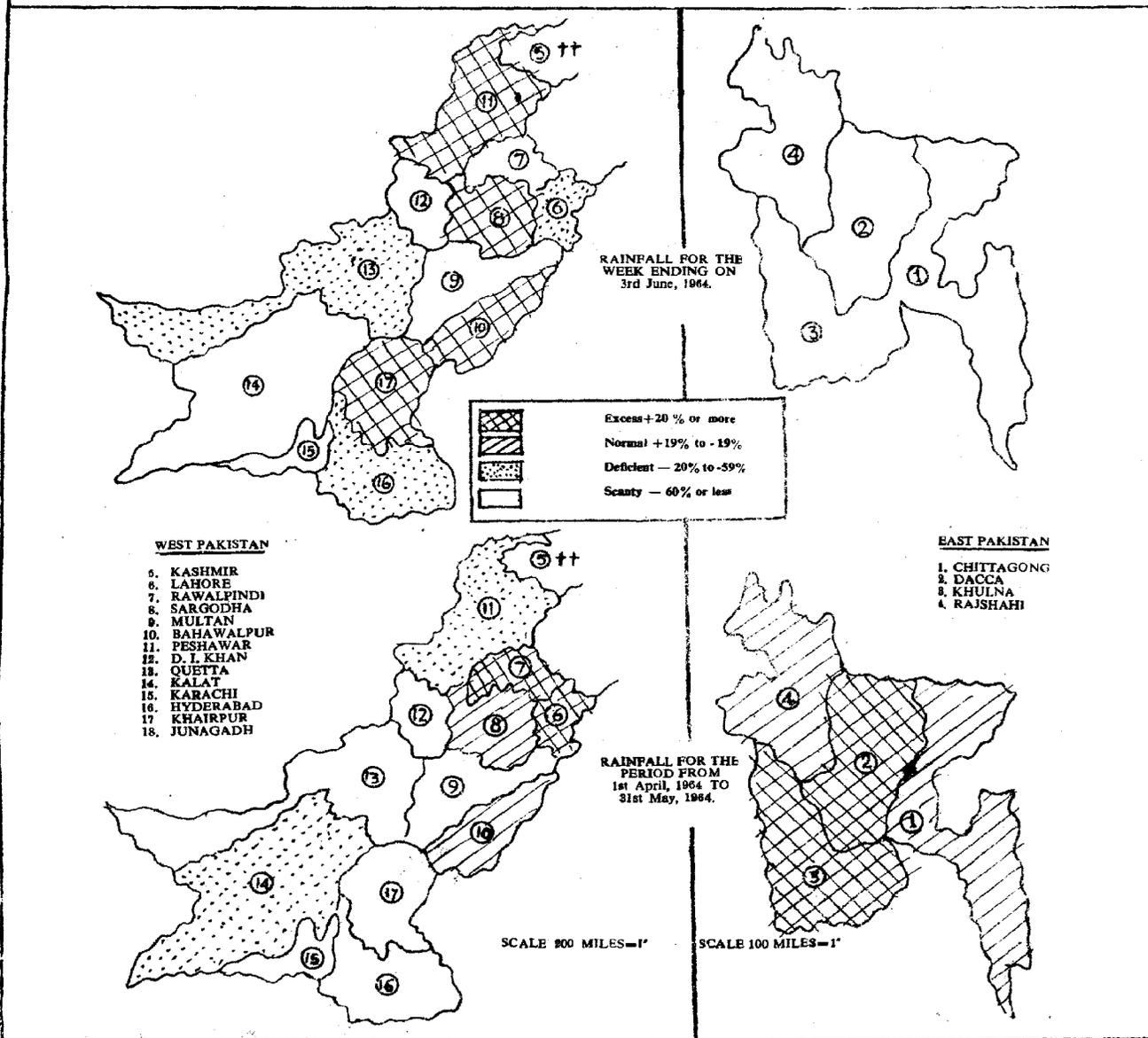
The 3rd June, 1964.

SIBTE NABI NAQVI
Director, Meteorological Service.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 3rd June, 1964.			Rainfall for Period from 1st April, 1964 to 31st May, 1964.			
	† Actual	Normal	*Excess or defect	† Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	1.0	3.9	- 2.9	20.2	18.8	+ 1.4	+ 7
2. Dacca	0	3.2	- 3.2	20.1	15.8	+ 4.3	+ 27
3. Khulna	0.2	2.2	- 2.0	14.2	11.2	+ 3.0	+ 27
4. Rajshahi	0.4	3.4	- 3.0	13.3	11.4	+ 1.9	+ 16
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.1	0.1	0	2.1	1.6	+ 0.5	+ 28
7. Rawalpindi	0.1	0.3	- 0.2	6.6	5.1	+ 1.5	+ 29
8. Sargodha	0.3	0.1	+ 0.2	1.1	1.3	- 0.2	- 15
9. Multan	0	0	0	0.1	0.7	- 0.6	- 82
10. Bahawalpur	0	0	0	0.4	0.4	0	+ 2
11. Peshawar	0.3	0.2	+ 0.1	1.8	3.6	- 1.8	- 49
12. D. I. Khan	0	0.1	- 0.1	0.1	1.6	- 1.4	- 91
13. Quetta	0	0.1	0	0.3	1.2	- 0.9	- 73
14. Kalat	0	0	0	0.3	0.6	- 0.3	- 58
15. Karachi	0	0	0	0	0.4	- 0.4	- 100
16. Hyderabad	0	0	0	0	0.3	- 0.3	- 100
17. Khairpur	0.4	0	+ 0.4	0	0.3	- 0.3	- 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 10th June, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : A western disturbance moved slowly across the northern areas of the province during the first four days of the week. In its association well marked incursion of moist air took place mainly in the eastern parts of the province. As a result rain or thundershowers were widespread in Dacca and Chittagong divisions on the 7th and scattered to local in the last named division between the 4th and the 6th, in Dacca and Khulna divisions respectively on the 5th and the 6th and scattered thundershowers or light showers in Khulna and Rajshahi divisions on the 7th. A few heavy to very heavy falls were reported from Chittagong division throughout this period.

Thereafter as a result of accentuation of the seasonal trough of low pressure, fairly widespread rain or thundershowers occurred in Dacca and Rajshahi divisions on the 9th and in the first named division on the 10th. Thundershowers or showers were otherwise scattered to local in the province during the last three days of the week. A few heavy to very heavy falls were again reported from Chittagong division on the 10th.

Noteworthy amounts of rainfall recorded were :—Sylhet 5" on the 4th, 9" on the 5th, 6" on the 7th and 10th and Mymensingh 3" on the 7th.

Day temperatures were generally appreciably above normal in the province during the week.

WEST PAKISTAN : Two western disturbances moved across the northern areas of West Pakistan during the first five days of the week. They caused the accentuation of the seasonal low over Kalat division and adjoining areas. Under their influence scattered to local thundershowers or showers occurred in Lahore and Rawalpindi divisions respectively on the 7th and the 8th; in Sargodha division only on the 7th; in Peshawar division on the 4th, 5th and the 7th and in Quetta and D. I. Khan divisions respectively on the first two days of the week. Scattered duststorms or thundershowers were also reported from Rawalpindi division on the 5th and the 7th; from Sargodha division on the 5th and the 6th; from Multan division on the 4th, 6th and 7th; from Bahawalpur division on the 4th and 7th and from Peshawar division on the 6th while light rain fell at a few places in Lahore and D. I. Khan divisions on the first day of the week and again in D. I. Khan division on the 6th.

According to press reports, two persons were killed in Jhang and one in Sheikhpura due to some duststorms in these places on the 6th night. Considerable damages to property and disruption to communications and electric supply was also reported from there.

During the last two days of the week another western disturbance moved across Peshawar division and Kashmir while its associated trough moved across the central part of the province. Simultaneously a well marked low which developed off Konkan coast on the 9th rapidly concentrated into a deep depression next day centred at 10,0300 GMT within one degree of Latitude 18.5°N and Longitude 69°E. The system caused scattered to local thundershowers or showers in Rawalpindi and Peshawar divisions on both the days and duststorms or thundershowers in Peshawar and Quetta divisions on the 9th and in Multan and Khairpur divisions on the last day of the week.

Murree recorded 1" of rainfall on the 8th.

Day temperatures were appreciably to markedly below normal in the northern areas of the province on the 4th and the 7th. These were otherwise appreciably below normal in the province outside Hyderabad, Karachi and coastal Kalat divisions during the first five days of the week and slightly below normal in Kalat, Khairpur, Sargodha, Multan and Rawalpindi divisions on the 6th and the 7th.

2 CHITTAGONG DIVISION :	Fairly widespread rain fell on one day, local on five days and scattered on one day.
DACCA DIVISION :	Rainfall was widespread on one day, fairly widespread on two days and local on one day.
KHULNA DIVISION :	Scattered rain fell on three days.
RAJSHAHI DIVISION :	Widespread rain fell on one day and local on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Local rain fell on one day.
RAWALPINDI DIVISION :	Scattered rain fell on two days.
SARGODHA DIVISION :	Local rain fell on one day.
MULTAN DIVISION :	} Weather remained mainly dry.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Scattered rain fell on three days.
D. I. KHAN DIVISION :	Scattered rain fell on two days.
QUETTA DIVISION :	Scattered rain fell on one day.
KALAT DIVISION :	} Weather remained dry.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	Weather remained mainly dry.
JUNAGADH :	Data not available.

3. Based on the data of the stations having normals, the week's rainfall was in large excess in Rawalpindi, Peshawar and D. I. Khan divisions; in excess in Sargodha division; normal in Lahore division; deficient in Chittagong and Dacca divisions and scanty in Khulna, Rajshahi and Quetta divisions whereas no rain fell elsewhere over West Pakistan.

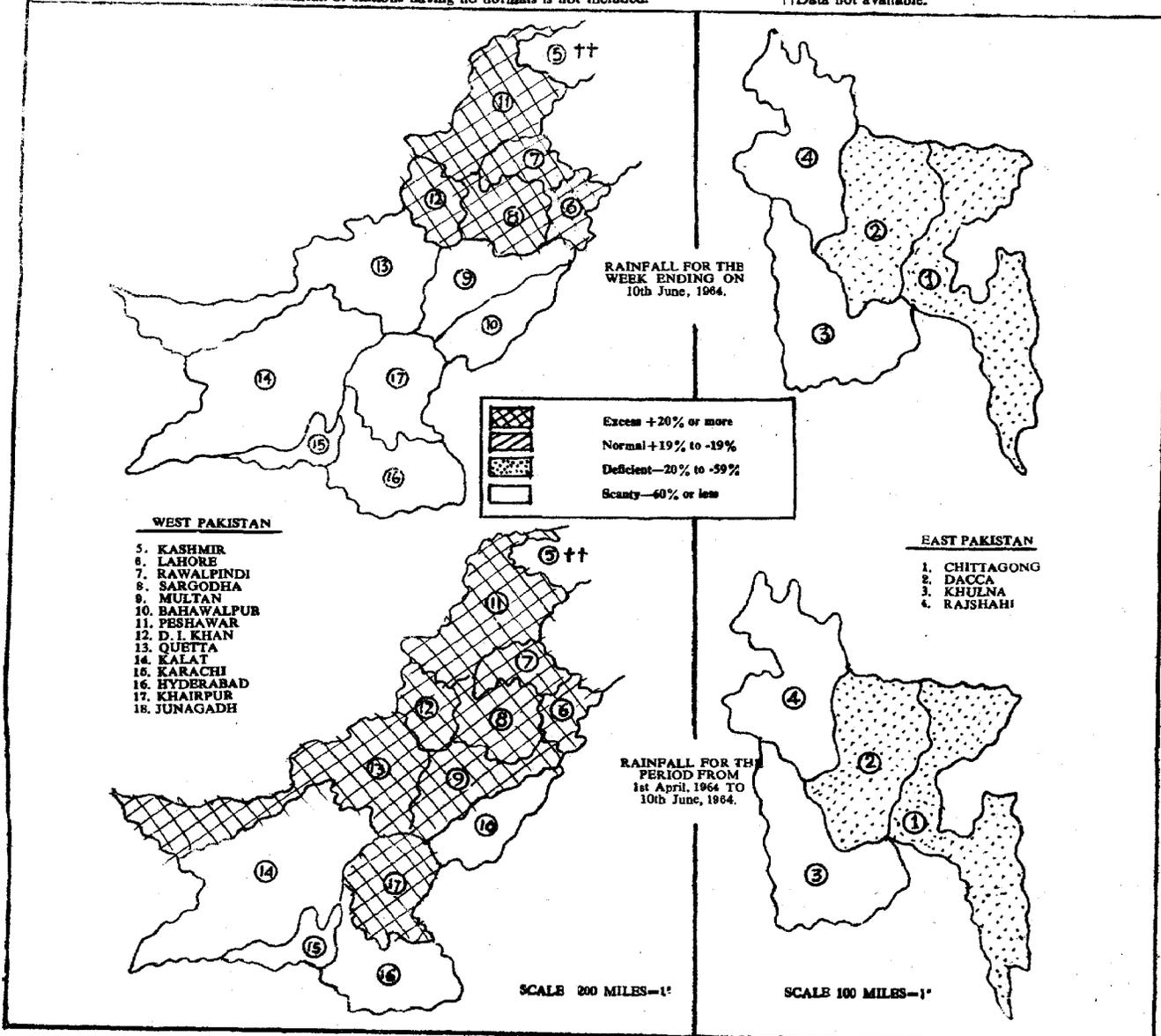
Rainfall for the period from 1st June 1964 to-date was in large excess in Sargodha, D. I. Khan, Quetta and Khairpur divisions; in excess in Lahore, Rawalpindi, Multan and Peshawar divisions; deficient in Chittagong and Dacca divisions; scanty in Khulna, Rajshahi and Bahawalpur divisions whereas no rain has fallen so far in Kalat, Karachi and Hyderabad divisions.

4. The table overleaf summarises the rainfall statistics for eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 10th June, 1964.			Rainfall for Period from 1st April, 1964 to 10th June, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per—Cent
1. Chittagong	2.9	3.9	— 1.0	3.1	5.7	— 2.6	— 45
2. Dacca	2.0	3.3	— 1.3	2.0	4.6	— 2.6	— 56
3. Khulna	0.2	2.2	— 1.9	0.4	3.1	— 2.6	— 86
4. Rajshahi	1.0	2.8	— 1.7	1.1	4.2	— 3.1	— 74
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.1	0.1	0	0.2	0.1	+ 0.1	+ 38
7. Rawalpindi	0.7	0.4	+ 0.3	0.7	0.5	+ 0.1	+ 20
8. Sargodha	0.1	0.1	0	0.4	0.1	+ 0.3	+ 215
9. Multan	0	0	0	0	0	0	+ 33
10. Bahawalpur	0	0	0	0	0.5	— 0.5	— 94
11. Peshawar	0.3	0.2	+ 0.1	0.2	0.2	+ 0.1	+ 38
12. D. I. Khan	0.2	0.1	+ 0.1	0.1	0	+ 0.1	+ 125
13. Quetta	0	0	0	0.1	0	+ 0.1	— 600
14. Kalat	0	0	0	0	0	0	0
15. Karachi	0	0	0	0	0	0	— 100
16. Hyderabad	0	0	0	0	0.1	— 0.1	— 100
17. Khairpur	0	0	0	0.4	0	+ 0.4	+ 1300
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01'
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 17th June, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Monsoon advanced into East Pakistan and remained active there throughout the week. Rain or thunder-showers were generally fairly widespread over the province during this period with locally moderate to heavy falls in Chittagong division on the 12th, 14th and 16th in both Dacca and Rajshahi divisions on the 13th, 15th and the 17th and in the last two divisions respectively on the 14th and the 16th. As a consequence of the heavy falls some of the rivers reached danger level.

Outstanding amounts of rainfall recorded during the week were:—Rangpur 2" on the 11th; Sylhet 4" and Brahmanbaria 3" on the 12th; Rangpur 6", Sylhet 5" and Mymensingh 4" on the 13th; Comilla 7", Brahmanbaria 5" and Chittagong 3" on the 14th; Faridpur 6", Pabna and Sirajganj 4" each and Dacca 3" on the 15th, Pabna 5" and Majidde Court and Sirajganj 4" each on the 16th; Rangpur 5", Narayanganj 3" and Majidde Court 2" on the 17th.

Day temperatures were appreciably above normal over the province on the 11th and appreciably to markedly below normal there between the 13th and the 17th.

WEST PAKISTAN: Last week's deep depression off Konkan coast moved northwards and intensified into a cyclonic storm on the first day of the week centred at 11,0300 GMT within one degree of Latitude 21°N and Longitude 69°E. Continuing to move in the same direction it intensified further into a severe cyclonic storm with a core of hurricane winds the same evening and crossed coast north of Dwarka by the morning of 12th when it lay with centre at 0300 GMT about 40 miles westnorthwest of Bhuj. Thereafter it moved north-northeastwards, weakened into a deep depression and was centred about 20 miles to the southeast of Umerkot the next morning. It weakened rapidly into a low and moved to south Punjab (India) and adjoining areas by the 14th morning.

According to press reports widespread heavy rains and strong winds accompanying the storm took a toll of more than 400 lives and caused colossal loss of cattle and property in both Hyderabad and Tharparkar districts. Due to a complete breakdown of communications some areas in these divisions remained completely cut off for several days. Local to fairly widespread rainfall was otherwise reported from Khairpur, Hyderabad and Bahawalpur divisions on the 13th from Bahawalpur and Lahore divisions on the 14th and scattered from Hyderabad division on 11th and the 12th from Karachi and Kalat divisions on the 13th. The falls were locally heavy in Khairpur division on the 13th.

Three western disturbances also affected the weather over province during the week of which the last one lay over Peshawar division and Kashmir at the end of the week. In their association scattered to local thunderstorms or showers occurred in Peshawar, Rawalpindi, D. I. Khan and Quetta divisions during the first three days, in Lahore, Multan, Rawalpindi and Peshawar divisions on the 15th and fairly widespread in Rawalpindi and Sargodha divisions and scattered in Peshawar and Multan divisions on the 17th. Dust or thunderstorms occurred otherwise sporadically in the northern and central divisions during the above period.

Chief amounts of rainfall recorded were Rawalpindi $\frac{1}{2}$ " on the 12th, Hyderabad 6", Nawabshah 4", Paddan 2" and Sukkar 1" on the 13th, Lahore $1\frac{1}{2}$ " and Fort Abbas $3\frac{1}{4}$ " in the 14th and Murree $3\frac{1}{4}$ " and Rawalpindi $\frac{1}{2}$ " on the 17th.

Day temperatures were appreciably below normal in Quetta, Kalat and Khairpur divisions on the 11th appreciably to markedly so over the province outside Kalat and Karachi divisions on the 12th and 16th and in Lahore, Rawalpindi, Sargodha and Khairpur divisions on the 17th and markedly to considerably so practically over the whole province outside Kalat division between the 13th and the 15th.

2 CHITTAGONG DIVISION :	Widespread rain fell on three days and fairly widespread and local on two days each.
DACCA DIVISION :	Widespread rain fell on three days, fairly widespread on two days and local and scattered on one day each.
KHULNA DIVISION :	Widespread rain fell on three days and fairly widespread and local on one day each.
RAJSHAHI DIVISION :	Rainfall was widespread and local on three days each and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Fairly widespread and local rain fell on one day each.
RAWALPINDI DIVISION :	Fairly widespread rain fell on one day and scattered on four days.
SARGODHA DIVISION :	Weather remained dry
MULTAN DIVISION :	Scattered rain fell on three days.
BAHAWALPUR DIVISION :	Fairly widespread rain fell on two days.
PESHAWAR DIVISION :	Scattered rain fell on three days.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	Local rain fell on one day.
KALAT DIVISION :	Weather remained dry.
KARACHI DIVISION :	Scattered rain fell on one day.
HYDERABAD DIVISION :	Fairly widespread rain fell on one day and scattered on three days.
KHAIRPUR DIVISION :	Fairly widespread and local rain fell on one day each.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Dacca, Rajshahi, Lahore, Bahawalpur, Quetta and Hyderabad divisions; in excess in Chittagong and Rawalpindi divisions; normal in Khulna division and deficient in Multan and Kalat divisions whereas no rain fell in Sargodha divisions.

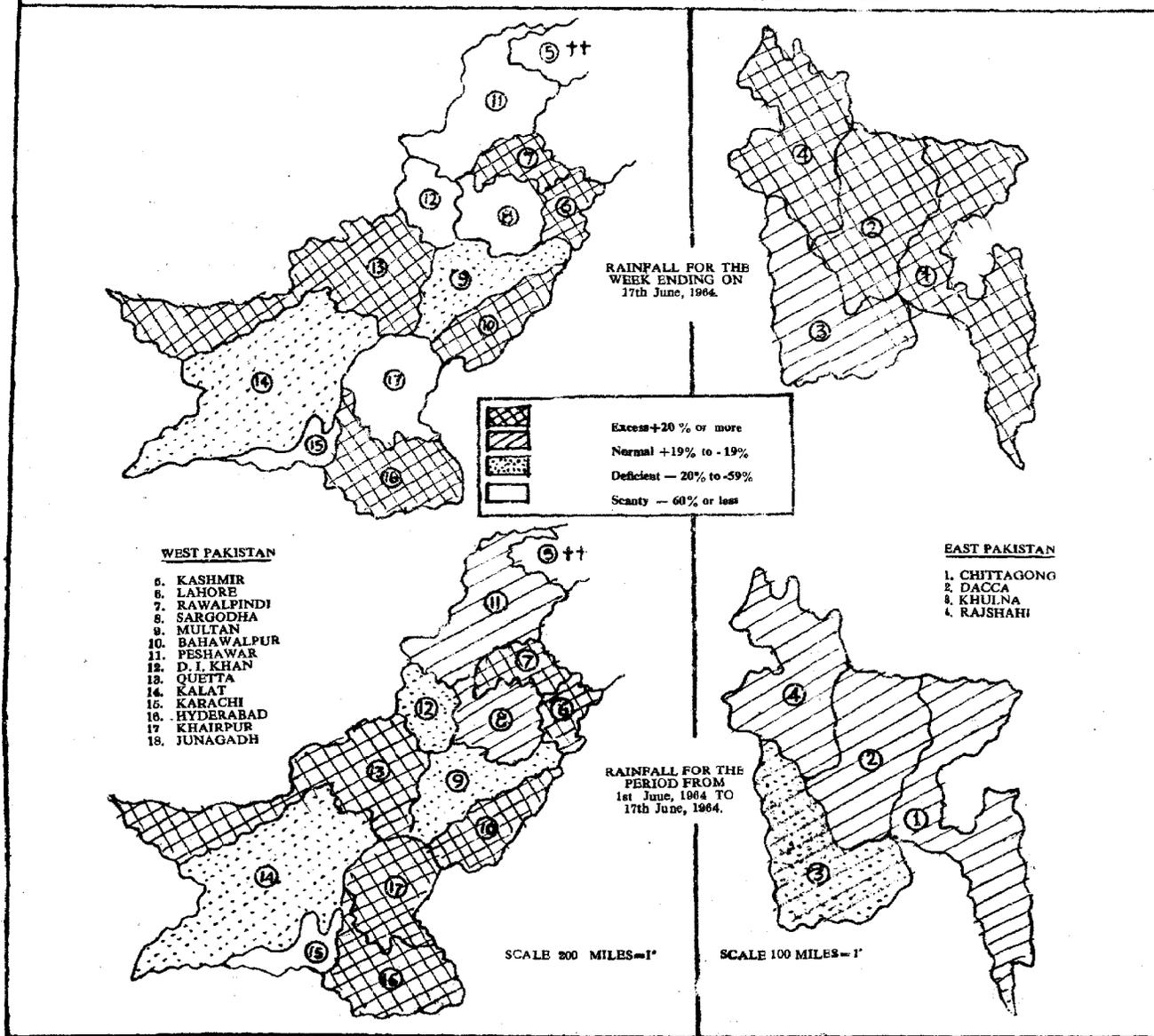
The rainfall for the period from 1st June 1964 to-date was in large excess in Lahore, Bahawalpur, Hyderabad and Khairpur divisions; in excess in Rawalpindi and Quetta divisions; normal in Chittagong, Dacca, Rajshahi, Sargodha and Peshawar divisions; deficient in Khulna, Multan, D. I. Khan and Kalat divisions and scanty in Karachi division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 17th June, 1964.			Rainfall for Period from 1st June, 1964 to 17th June, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	8.7	7.0	+ 1.7	11.8	12.7	- 0.9	- 7
2. Dacca	9.1	4.7	+ 4.4	11.2	9.4	+ 1.8	+ 19
3. Khulna	3.3	3.7	- 0.5	3.7	6.8	- 3.1	- 45
4. Rajshahi	9.0	4.6	+ 4.4	10.1	8.8	+ 1.3	+ 14
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.9	0.3	+ 0.6	1.0	0.4	+ 0.6	+ 160
7. Rawalpindi	1.2	0.8	+ 0.4	1.8	1.3	+ 0.5	+ 40
8. Sargodha	0	0.3	- 0.3	0.4	0.5	- 0.1	- 11
9. Multan	0.2	0.3	- 0.1	0.2	0.4	- 0.2	- 53
10. Bahawalpur	0.3	0.1	+ 0.2	0.3	0.1	+ 0.2	+ 158
11. Peshawar	0	0.2	- 0.2	0.5	0.4	+ 0.1	+ 17
12. D. I. Khan	0	0.2	- 0.2	0.2	0.3	- 0.1	- 36
13. Quetta	0.2	0.1	+ 0.1	0.2	0.1	+ 0.1	+ 54
14. Kalat	0	0.1	0	0	0.1	0	- 50
15. Karachi	0	0	0	0	0.1	- 0.1	- 100
16. Hyderabad	2.9	0.1	+ 2.9	2.9	0.1	+ 2.8	+ 2582
17. Khairpur	0	0	0	0.4	0.1	+ 0.4	+ 780
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 24th June, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : A low pressure area appeared over the Northwest Bay of Bengal on the last day of the week and moved inland northwestwards during the next two days upto Chota Nagpur where it persisted as a well marked low pressure area during the rest of the week. Under its influence monsoon continued to be active and caused local to fairly widespread rain or thundershowers in the province throughout the week except for Dacca division where no rain fell on the 23rd.

Chief amounts of rainfall reported during the week were 2" at Rangpur on the 19th, Dinajpur on the 20th and Cox's Bazar on the 24th.

Day temperatures were nearly normal over the province during the week.

WEST PAKISTAN : Two feeble western disturbance moved across the north of Kashmir while their associated troughs moved across the northern areas of the province. The first caused scattered rain in Rawalpindi and Peshawar divisions respectively on the 20th and the 21st and a few duststorms or thunderstorms in Peshawar and D. I. Khan divisions on the 19th and the 20th and in Sargodha and Bahawalpur divisions only on the 19th. The second one caused scattered duststorms or thunderstorms in Rawalpindi, Sargodha, Peshawar and D. divisions I. Khan on the 22nd and scattered rain in Multan division on the 23rd. Leiah recorded $\frac{1}{8}$ " rainfall on the 23rd.

Day temperatures were appreciably above normal in most of the central and northern parts of the province during the last four days of the week and slightly above normal in Lahore, Sargodha, Bahawalpur and Multan divisions on the 19th. These were slightly below normal in Quetta and Khairpur divisions and to the same extent above normal in Peshawar and Kalat divisions.

2 CHITTAGONG DIVISION :	Local rain fell on six days and scattered on one day.
DACCA DIVISION :	Widespread rain fell on two days and local on four days.
KHULNA DIVISION :	Widespread rain fell on two days, fairly widespread on four days and local on one day.
RAJSHAHI DIVISION :	Fairly widespread on one day and local on six days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained dry.
RAWALPINDI DIVISION :	Scattered rain fell on one day.
SARGODHA DIVISION :	Weather remained dry
MULTAN DIVISION :	Scattered rain fell on one day.
BAHAWALPUR DIVISION :	Weather remained dry.
PESHAWAR DIVISION :	Scattered rain fell on one day.
D. I. KHAN DIVISION :	} Weather remained dry during the week.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION:	} Data not available.
JUNAGADH :	

3. Based on the data of stations having normals the week's rainfall was normal in Dacca, Khulna and Rajshahi divisions and scanty in Chittagong and Rawalpindi division. No rain fell elsewhere in West Pakistan.

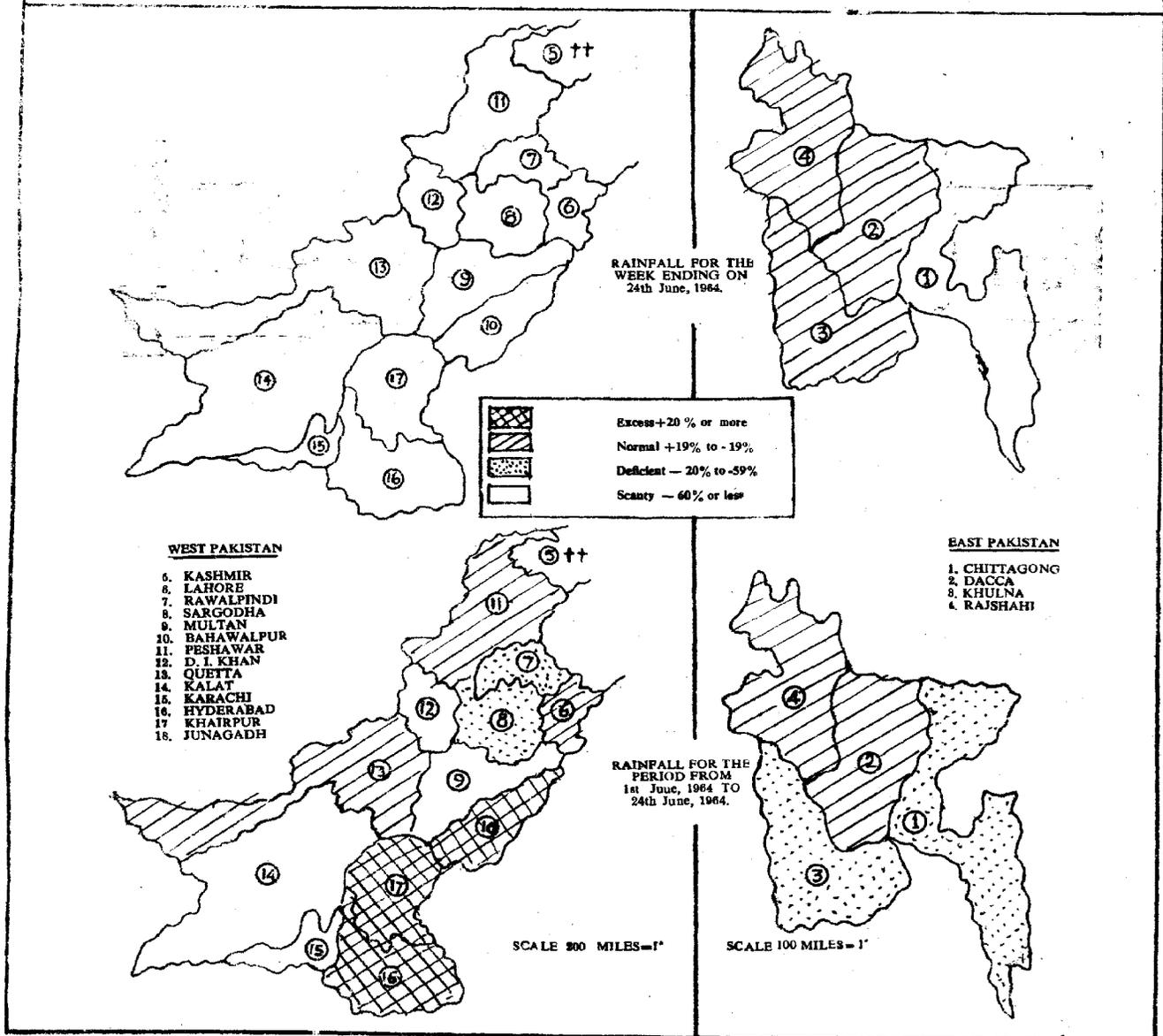
Rainfall for the period from 1st June, 1964 to-date was in large excess in Bahawalpur, Hyderabad and Khairpur divisions, normal in Dacca, Rajshahi, Lahore, Peshawar and Quetta divisions, deficient in Chittagong, Khulna, Rawalpindi and Sargodha divisions and scanty in Multan, D. I. Khan and Kalat divisions whereas no rain fell in Karachi division so far.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both for the week and for the period from 1st June, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 24th June, 1964.			Rainfall for Period from 1st June, 1964 to 24th June, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	2.4	5.5	— 3.4	14.0	18.3	— 4.3	— 24
2. Dacca	2.6	3.1	— 5.0	13.8	12.5	+ 1.3	+ 10
3. Khulna	3.5	4.1	— 0.6	3.7	10.9	— 3.7	— 34
4. Rajshahi	3.2	3.7	— 0.5	13.2	12.5	+ 0.7	+ 6
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.9	— 0.9	1.0	1.3	— 0.2	— 18
7. Rawalpindi	0.1	0.8	— 0.8	1.9	4.2	— 2.3	— 55
8. Sargodha	0	0.4	— 0.4	0.4	0.8	— 0.4	— 50
9. Multan	0	0.2	— 0.2	0.2	0.6	— 0.4	— 69
10. Bahawalpur	0	0.1	— 0.1	0.3	0.2	+ 0.1	+ 63
11. Peshawar	0	0.1	— 0.1	0.5	0.6	— 0.1	— 14
12. D. I. Khan	0	0.3	— 0.3	0.2	0.5	— 0.4	— 69
13. Quetta	0	0.1	— 0.1	0.2	0.2	0	— 9
14. Kalat	0	0.1	— 0.1	0	0.1	— 0.1	— 79
15. Karachi	0	0.2	— 0.2	0	0.2	— 0.2	— 100
16. Hyderabad	0	0.1	— 0.1	2.9	0.2	+ 2.7	+ 1241
17. Khairpur	0	0.1	— 0.1	0.4	0.1	+ 0.3	+ 267
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 1st July, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN : Last week's well marked low pressure area over Chota Nagpur and adjoining areas merged into the seasonal trough of low pressure by the middle of the week. The monsoon remained active under its influence and caused fairly widespread rain of thundershowers in the province during the week that thundershowers or showers were scattered in Khulna division on the 26th and the 27th, in Rajshahi division on the 27th and in Dacca division on the 27th and the 28th.

Chief amounts of rainfall reported during the week were:—Dinajpur 3" on the 28th; Chittagong 4" and Cox's Bazar 3" on the 29th; Cox's Bazar 4" and Comilla 3" on the 30th and Jessore 3" on the 1st.

Day temperatures remained generally normal over the province during the week.

WEST PAKISTAN : A feeble western disturbance moved across the extreme north of West Pakistan and Kashmir during the first two days of the week. Simultaneously a shallow incursion of moist easterlies took place in Lahore and Rawalpindi divisions. These caused fairly widespread thundershowers or showers in Rawalpindi division, local in Peshawar division and scattered in Lahore division on the 25th. A few duststorms were also reported from Lahore and D. I. Khan divisions the same day and local thundershowers from Rawalpindi division on the 26th. Weather thereafter remained dry over the province. Rawalpindi recorded $\frac{1}{4}$ " of rainfall on the 25th.

Day temperatures were appreciably to markedly above normal in the northern areas of the province and generally appreciably so elsewhere in the province outside Karachi and Hyderabad divisions during the last four days of the week and slightly to appreciably so in most of the province on the 25th, 27th and 28th.

CHITTAGONG DIVISION :	Widespread rain fell on two days, fairly widespread on three days and local on the remaining two days.
DACCA DIVISION :	Rainfall was widespread on three days, fairly widespread on two days and scattered on one day.
KHULNA DIVISION :	Widespread rain fell on four days, fairly widespread on one day and scattered on two days.
RAJSHAHI DIVISION :	Fairly widespread and local rain fell on three days
KASHMIR :	Data not available.
LAHORE DIVISION :	Scattered rain fell on one day.
RAWALPINDI DIVISION :	Fairly widespread rain fell on one day.
SARGODHA DIVISION :	} Weather was dry.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	} No rain fell during the week.
D. I. KHAN DIVISION :	
QUETTA DIVISION :	} Weather was dry.
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	} Data not available.
JUNAGADH :	

3. Based on data of the stations having normals, the week's rainfall was normal in Chittagong, Dacca and Khulna divisions; deficient in Rajshahi division and scanty in Lahore and Rawalpindi divisions whereas no rain fell elsewhere in West Pakistan.

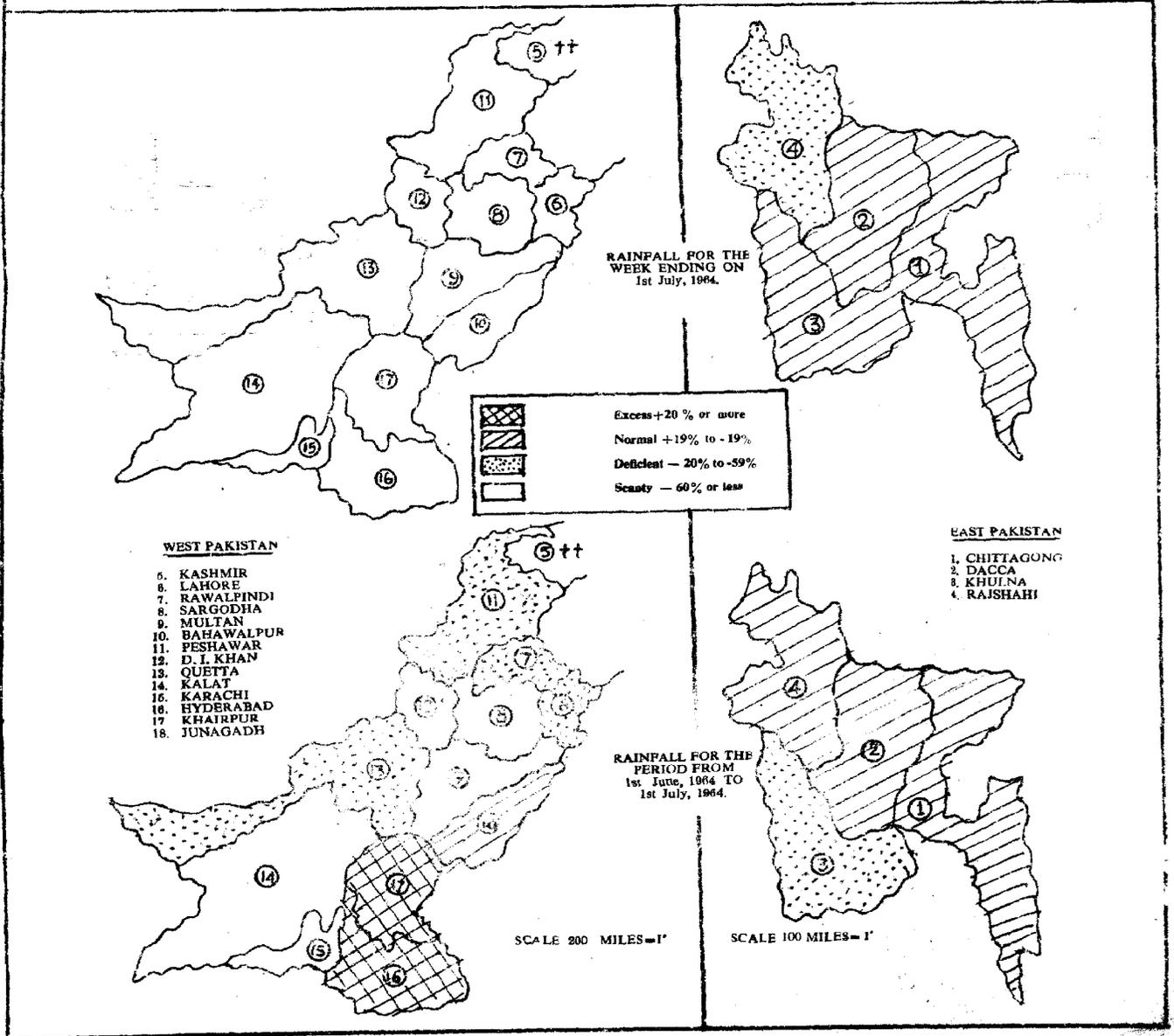
The rainfall for the period from 1st June, 1964 to-date was in large excess in Hyderabad division; in excess in Khairpur division; normal in Chittagong, Dacca, Rajshahi and Bahawalpur divisions; deficient in Khulna, Lahore, Rawalpindi, Peshawar and Quetta divisions and scanty elsewhere in West Pakistan.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both for the week and for the period from 1st June, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 1st July, 1964.			Rainfall for Period from 1st June, 1964 to 1st July, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	5.2	4.9	+ 0.2	19.2	23.2	- 4.1	- 17
2. Dacca	3.3	3.2	+ 0.1	17.0	115.7	+ 1.3	+ 9
3. Khulna	3.3	3.7	- 0.4	10.6	14.6	- 4.0	- 28
4. Rajshahi	1.9	3.6	- 1.7	15.1	16.1	- 1.0	- 6
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.1	0.9	- 0.9	1.1	2.2	- 1.1	- 49
7. Rawalpindi	0.3	1.2	- 0.9	2.2	5.4	- 3.2	- 59
8. Sargodha	0	0.6	- 0.6	0.4	1.6	- 1.0	- 72
9. Multan	0	0.2	- 0.2	0.2	0.8	- 0.7	- 79
10. Bahawalpur	0	0.1	- 0.1	0.3	0.3	0	- 9
11. Peshawar	0	0.3	- 0.3	0.4	0.8	- 0.4	- 51
12. D. I. Khan	0	0.3	- 0.3	0.2	0.8	- 0.7	- 80
13. Quetta	0	0.1	- 0.1	0.2	0.3	- 0.1	- 43
14. Kalat	0	0.1	- 0.1	0	0.3	- 0.2	- 88
15. Karachi	0	3.2	- 0.2	0	0.4	- 0.4	- 100
16. Hyderabad	0	0.6	- 0.6	2.9	0.8	+ 2.1	+ 256
17. Khairpur	0	0.2	- 0.2	0.4	0.3	+ 0.1	+ 52
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 8th July, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN:— Conditions became unsettled in the North Bay of the Bengal on the 3rd. These concentrated into a depression by the 4th morning, centred at 0300 hours GMT near Latitude 21°N and Longitude 88½°E. It crossed Sunderbans coast the same evening and was centred at 0300 hours GMT of the 5th about 100 miles to the south of Daitongaj. The depression continued to move northwestwards and was centred about 50 miles southeast of Sutna on the 6th morning and 40 miles south of Agra the next morning. Thereafter it weakened rapidly and lay as a low over northeast Rajasthan and adjoining areas on the last day of the week. Monsoon became active over East Pakistan in its wake and caused generally widespread rain or thundershowers over there during the last four days of the week with locally heavy to very heavy falls in Chittagong division. Scattered to local rain or thundershowers otherwise occurred in the province on the 2nd and the 4th and only in Chittagong division on the 3rd.

Chief amounts of rainfall recorded during the week were:—Jessore 3" on the 2nd; Cox's Bazar 4" on the 5th; Cox's Bazar, Comilla and Jessore 3" each on the 6th; Sylhet 3" on the 7th and Cox's Bazar 7" Chittagong 6", Sylhet 5" and Comilla 3" on the 8th.

Day temperatures were slightly above normal in the province on the 3rd and the 4th and to the some extent below normal in most of the province during the last three days of the week.

WEST PAKISTAN:—A western disturbance moved across the northern areas of the province and Kashmir during the first three days of the week and another towards the end of the week. Simultaneously an incursion of moist easterlies took place into the northern and the eastern parts of West Pakistan under the influence of a low pressure area that developed over Rajasthan and neighbourhood on the 6th and the Bay of Bengal depression that moved northwestwards and lay as a low over northeast Rajasthan on the 8th. In addition under its influence, Arabian Sea branch of monsoon advanced into Hyderabad division and adjoining areas during the last three days of the week. These together caused fairly widespread to widespread rain or thundershowers in Lahore, Rawalpindi, Sargodha and Multan divisions on the 5th and in Rawalpindi division also on the 4th and the 8th and scattered to local rain or thundershowers in Lahore and Bahawalpur divisions on the 4th; in Rawalpindi division on the remaining days of the week; in Peshawar division between the 3rd and the 5th and the 8th; in Quetta division during the last three days of the week; in Hyderabad division on the 7th and in Khairpur division on the 6th and the 8th. Scattered dust or thunderstorms occurred in Peshawar and Lahore divisions respectively on the 2nd and the 3rd; in Sargodha, Multan and D. I. Khan divisions on the 4th; in Bahawalpur division on the 6th and the 8th and in Khairpur and Hyderabad divisions respectively on the 7th and the 8th. A few heavy falls were also reported from Rawalpindi division on the 3rd.

Chief amounts of rainfall recorded during the week were:—Murree 3", Islamabad 2" and Kakul 1½" on the 3rd; Islamabad 1½" on the 4th; Lahore 2" and Jhelum and Islamabad 1½" each on the 5th and Nagarparkar 2" on the 7th.

Day temperatures were appreciably to markedly above normal in the northern and central areas of the province on the 2nd and the 3rd and were slightly so elsewhere in the province outside Lahore and Sargodha divisions on the 5th. These were markedly to considerably below normal in Lahore, Sargodha, Multan and D. I. Khan divisions on the 6th and slightly to appreciably so in most of the northern and central areas of the province including Khairpur division during the last two days of the week.

2. CHITTAGONG DIVISION :	Rainfall was widespread and local on three days each and fairly widespread on one day.
DACCA DIVISION :	Widespread rain fell on four days and scattered on two days.
KHULNA DIVISION :	Rainfall was widespread on three days and fairly widespread, local and scattered on one day each.
RAJSHAHI DIVISION :	Widespread local and scattered rain fell on one day each and fairly widespread on two days.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread rain fell on one day and local on another day.
RAWALPINDI DIVISION :	Rainfall was widespread and local on one day each, fairly widespread on two days and scattered on the remaining three days.
SARGODHA DIVISION :	Fairly widespread rain fell on one day.
MULTAN DIVISION :	Widespread rain fell on one day.
BAHAWALPUR DIVISION :	Rainfall was local on one day.
PESHAWAR DIVISION :	Local and scattered rain fell on two days each.
D. I. KHAN DIVISION :	Weather remained mainly dry.
QUETTA DIVISION :	Scattered rain fell on three days.
KALAT DIVISION :	} No rain fell during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	Rainfall was local on one day.
KHAIRPUR DIVISION :	Local and scattered rain fell on one day each.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong and Rawalpindi divisions; in excess in Khulna, Multan and Khairpur divisions; normal in Dacca and Lahore divisions; deficient in Rajshahi, Bahawalpur, Peshawar and Quetta divisions; scanty in Sargodha, D. I. Khan and Hyderabad divisions whereas no rain fell in Kalat and Karachi divisions.

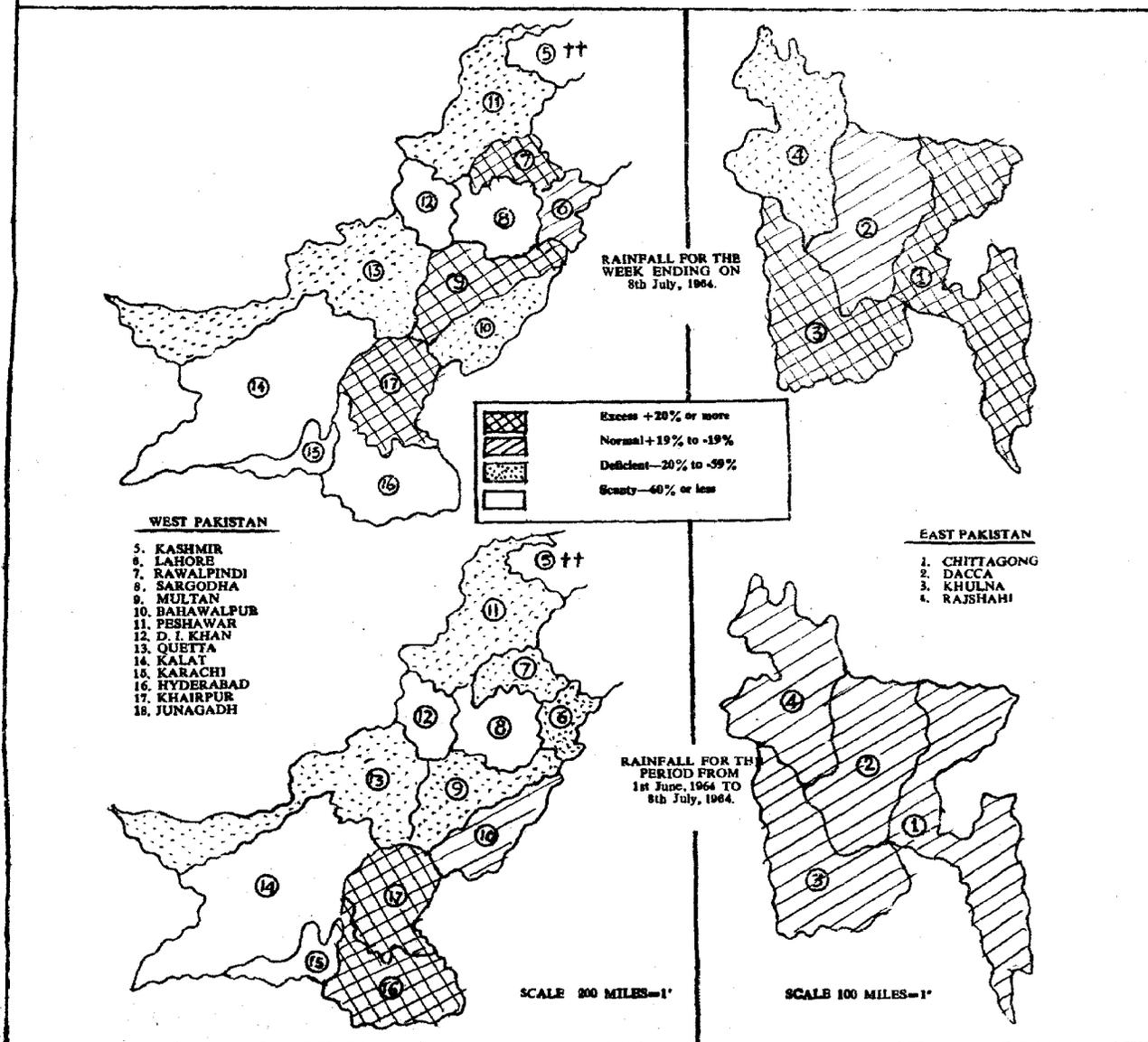
Rainfall for the period from 1st June, 1964 to-date was in large excess in Hyderabad division, in excess in Khairpur division; normal in East Pakistan and in Bahawalpur division; deficient in Lahore, Rawalpindi, Multan, Peshawar and Quetta divisions and scanty in Sargodha, D. I. Khan and Kalat divisions.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June, 1964 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 8th July, 1964.			Rainfall for Period from 1st June, 1964 to 8th July, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	7.4	4.6	+ 2.8	26.6	27.8	- 1.2	- 4
2. Dacca	3.8	3.4	+ 0.4	20.8	19.1	+ 1.7	+ 9
3. Khulna	4.5	3.3	+ 1.3	15.1	17.6	- 2.8	- 16
4. Rajshahi	3.0	3.9	- 0.9	18.1	20.1	- 1.9	- 10
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	1.4	1.5	- 0.1	2.5	3.7	- 1.2	- 33
7. Rawalpindi	3.2	1.9	+ 1.3	5.4	7.3	- 1.9	- 26
8. Sargodha	0.1	0.6	- 0.6	0.5	2.1	- 1.6	- 77
9. Multan	0.9	0.6	+ 0.3	1.1	1.4	- 0.3	- 26
10. Bahawalpur	0.4	0.5	- 0.1	0.7	0.9	- 0.2	- 19
11. Peshawar	0.1	0.3	- 0.1	0.5	1.1	- 0.6	- 50
12. D. I. Khan	0	0.3	- 0.3	0.2	1.2	- 1.0	- 85
13. Quetta	0.1	0.2	- 0.1	0.3	0.5	- 0.2	- 44
14. Kalat	0	0.1	- 0.1	0	0.4	- 0.3	- 92
15. Karachi	0	0.1	- 0.1	0	0.5	- 0.5	- 100
16. Hyderabad	0	0.6	- 0.6	2.9	1.4	+ 1.5	+ 109
17. Khairpur	0.2	0.2	0	0.6	0.4	+ 0.2	+ 41
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 15th July, 1964.

—o:O:—

SUMMARY OF WEATHER

EAST PAKISTAN : Monsoon remained active over the province and caused fairly widespread to widespread rain or thundershowers during the week except for scattered to local rain or thundershowers in Chittagong and Dacca divisions on the 13th and in Khulna and Rajshahi divisions on the 14th. Locally heavy to very heavy rain fell in both Chittagong and Khulna divisions on the 9th, only in Chittagong division on the 10th, 11th and the 15th and in Rajshahi division on the 14th. According to newspaper reports these heavy falls further deteriorated the flood situation in the province when almost all the rivers recorded a sharp rise in their water levels.

Chief amounts of rainfall recorded during the week were :—Cox's Bazar 13", Comilla 8" and Majidtee Court and Jessore 4" each on the 9th; Cox's Bazar 5" on the 10th; Dinajpur 4" on the 14th and Sylhet 7" on the 15th.

Day temperatures were slightly to appreciably below normal in the province during the first four days of the week.

WEST PAKISTAN : Last week's western disturbance to the north of the province moved away eastwards while the low over northeast Rajasthan filled up on the first day of the week. These caused scattered rain or thundershowers in Peshawar, Hyderabad and Khairpur divisions and a few thunderstorms in Quetta division on the 9th. Thereafter a western disturbance approached Peshawar division and neighbourhood on the 11th and moved away northeastwards by the 14th. This was followed by another western disturbance that lay over Kashmir and adjoining areas on the last day of the week. Simultaneously the seasonal trough of low pressure lying over Rajasthan and adjoining Hyderabad and Khairpur divisions became well marked on the 12th evening and the Arabian Sea branch of monsoon also strengthened. Under their combined influence local to fairly widespread rain or thundershowers occurred in Lahore division between the 11th and the 14th; in Rawalpindi division on the 11th, 14th and the 15th; in Sargodha division only on the 12th; in Multan, Quetta and Kalat divisions on the 14th and the 15th; in Bahawalpur, Peshawar and Hyderabad divisions on the 13th and the 14th and in D. I. Khan, Karachi and Peshawar divisions respectively on the 13th, 14th and the 15th. Rain or thundershowers were scattered in Rawalpindi and Quetta divisions on the 12th and the 13th; in Bahawalpur division only on the 12th; in Peshawar division on the 11th and the 12th; in Karachi and Khairpur divisions on the 13th and in Hyderabad division on the last day of the week. A few duststorms or thunderstorms were also reported from Rawalpindi and Lahore divisions on the 10th and the 15th respectively; from Sargodha, Multan and Quetta divisions on the 11th and from Khairpur divisions on the 14th while light rain fell in Multan, D. I. Khan and Karachi divisions respectively during the last three days of the week. Rainfall was heavy to very heavy at a few places in Hyderabad division on the 13th, in Karachi division on the 14th and in Rawalpindi division on the 15th.

Chief amounts of rainfall recorded during the week were :—Umerkot 6" on the 13th; Karachi Airport 3" on the 14th and Islamabad 3" on the 15th.

Day temperatures were appreciably to markedly below normal in the province during the last two days of the week, in Lahore, Sargodha, Multan and Bahawalpur divisions on the 13th and in Lahore divisions on the 11th. These were slightly above normal in Peshawar, D. I. Khan, Multan, Quetta and adjoining Kalat divisions on the 11th and to the same extent below normal over most of the province on the first day of the week and only in the northern areas on the 12th.

2. CHITTAGONG DIVISION :	Widespread rain fell on one day, fairly widespread on four days and local on two days.
DACCA DIVISION :	Widespread rain fell on three days and fairly widespread and local on two days each.
KHULNA DIVISION :	Widespread rain fell on three days and fairly widespread and local on two days each.
RAJSHAHI DIVISION :	Widespread and fairly widespread rain fell on three days each and local on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Fairly widespread rain fell on two days and local on three days.
RAWALPINDI DIVISION :	Widespread rain fell on two days, local on one day and scattered on another two days.
SARGODHA DIVISION :	Fairly widespread rain fell on two days and local on one day.
MULTAN DIVISION :	Scattered rain fell on one day.
BAHAWALPUR DIVISION :	Fairly widespread and scattered rain fell on one day each and local on two days.
PESHAWAR DIVISION :	Fairly widespread rain fell on one day, local on two days and scattered on three days.
D. I. KHAN DIVISION :	Fairly widespread and scattered rain fell on one day each.
QUETTA DIVISION :	Local and scattered rain fell on two days each.
KALAT DIVISION :	Local rain fell on two days.
KARACHI DIVISION :	Fairly widespread and scattered rain fell on one day each.
HYDERABAD DIVISION :	Fairly widespread and local rain fell on one day each and scattered on two days.
KHAIRPUR DIVISION :	Scattered rain fell on two days.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals; the week's rainfall was in large excess in Chittagong, Khulna, Rawalpindi, Sargodha, Quetta, Kalat, Karachi and Hyderabad divisions, in excess in Rajshahi and Peshawar divisions; normal in Dacca, Lahore and Bahawalpur divisions; deficient in Multan division and scanty in D. I. Khan and Khairpur divisions.

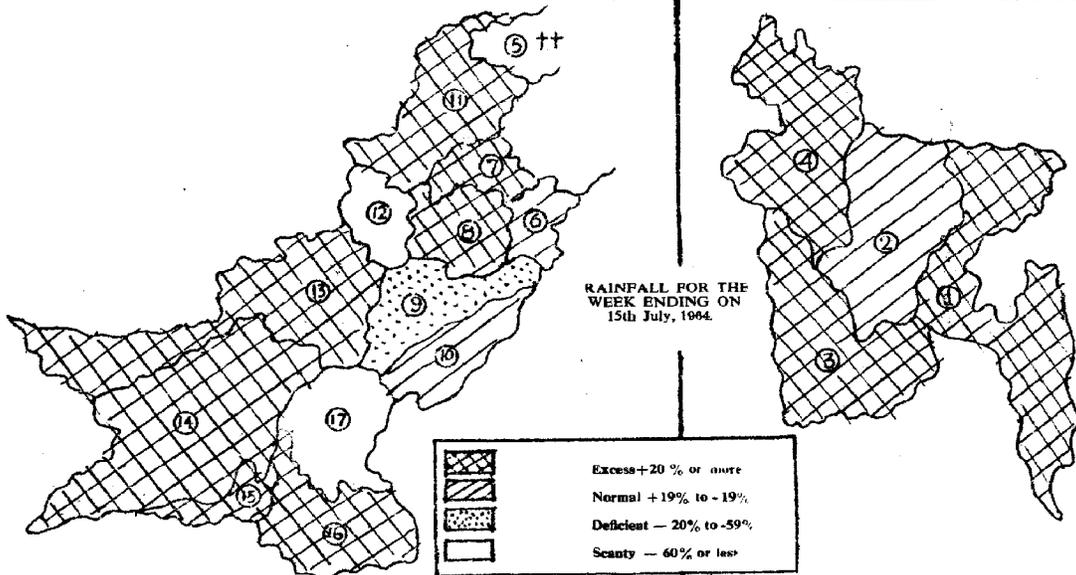
Rainfall for the period from 1st June, 1964 to-date was in large excess in Quetta and Hyderabad divisions; normal in East Pakistan and in Rawalpindi, Bahawalpur, Peshawar, Karachi and Khairpur divisions; deficient in the rest of West Pakistan outside D. I. Khan division where it was scanty.

The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 15th July, 1964.			Rainfall for Period from 1st June, 1964 to 15th July, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	9.3	4.2	+ 5.1	35.9	32.0	+ 3.9	+ 12
2. Dacca	2.7	3.0	- 0.3	23.6	22.1	+ 1.5	+ 7
3. Khulna	5.8	2.9	+ 2.8	20.9	20.9	0	Normal
4. Rajshahi	6.1	4.0	+ 2.1	24.3	24.1	+ 0.2	+ 1
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	1.6	1.7	+ 0.1	4.3	5.5	- 1.1	- 21
7. Rawalpindi	3.8	2.3	+ 1.6	9.3	9.6	- 0.3	- 3
8. Sargodha	1.3	0.8	+ 0.5	1.8	2.9	- 1.1	- 38
9. Multan	0.2	0.4	- 0.2	1.3	1.9	- 0.5	- 30
10. Bahawalpur	0.5	0.5	+ 0.1	1.3	1.3	- 0.1	- 5
11. Peshawar	1.3	0.9	+ 0.4	1.9	2.0	- 0.1	- 6
12. D. I. Khan	0.1	0.5	- 0.4	0.3	1.7	- 1.4	- 81
13. Quetta	0.9	0.2	+ 0.7	1.2	0.7	+ 0.4	+ 61
14. Kalat	0.3	0.1	+ 0.2	0.3	0.5	- 0.2	- 36
15. Karachi	1.2	0.7	+ 0.5	1.2	1.2	0	- 2
16. Hyderabad	1.3	0.7	+ 0.6	4.2	2.1	+ 2.1	+ 104
17. Khairpur	0	0.2	- 0.2	0.7	0.7	0	- 4
18. Junagadh	—	—	—	—	—	—	—

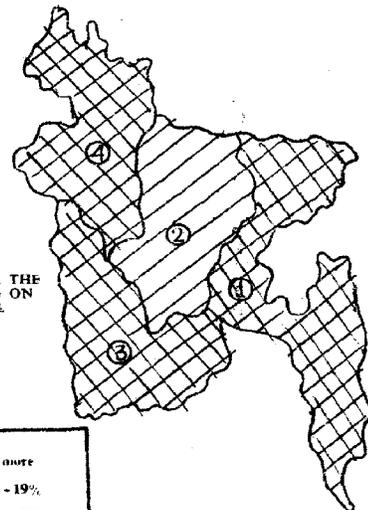
† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEST PAKISTAN

- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH

SCALE 200 MILES=1"



EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI

SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 22nd July, 1964.

—o:O:—

SUMMARY OF WEATHER

EAST PAKISTAN : Monsoon continued to be active during the first three days of the week and caused fairly widespread rain or thundershowers in the province with heavy to very heavy falls in Chittagong division throughout the period and in Dacca division only on the 17th. It gradually weakened thereafter and caused mainly scattered to local rain or thundershowers in the province during the rest of the week except for scattered light rain in Rajshahi division on the 20th and dry weather in Dacca division on the 21st.

The heavy falls in the beginning of the week further aggravated the flood situation in the province when fifteen rivers recorded a rise in the beginning of the week. According to news paper report the swollen river Gumti inundated a vast tract of land in the Brahmanbaria sub-division after entering the entire Burchang and Kotwali police station on the 20th. About 2,000 houses were washed away in Kasbia police station due strong currents. Over Rupees four crore worth of standing jute and paddy in 6,000 acres of land was also virtually washed away by the on-rushing water of the river Gumti.

Chief amounts of rainfall recorded during the week were :- Cox's Bazar and Chittagong 4" each on the 16th ; Chittagong 8", Majidee court 5" and Comilla, Narayanganj and Dacca 4" each on the 17th.

Day temperatures were slightly to appreciably below normal over most of the province on the 19th, in Rajshahi and Dacca divisions on the 17th and in Chittagong and Dacca divisions respectively on the 16th and the 18th.

WEST PAKISTAN : Last week's western disturbance over the northern areas of the province and Kashmir moved away eastwards on the 16th. Simultaneously monsoon strengthened over the province. These together caused fairly widespread rain or thundershowers in Lahore, Rawalpindi, Sargodha, Multan, Peshawar and D. I. Khan divisions the same day with a few heavy to very heavy falls in Lahore and Multan divisions. Scattered thunderstorms and a few falls of light rain were also reported, respectively from Bahawalpur and Quetta divisions on the 16th. Thereafter monsoon activity gradually declined over the province and caused fairly widespread rain or thundershowers in D. I. Khan and Bahawalpur divisions respectively on the 17th and the 18th and scattered to local in Rawalpindi, Sargodha, Multan, Bahawalpur, Peshawar and Quetta divisions on the 17th ; in Rawalpindi, Peshawar, Multan, D. I. Khan and Quetta divisions on the 18th ; only in Multan, Bahawalpur and Peshawar divisions on the 19th and in Sargodha, Bahawalpur, D. I. Khan and Quetta divisions on the 20th. Scattered thunderstorms also developed in Khairpur division on the 17th and the 18th, in Rawalpindi and Peshawar divisions respectively on the 19th and the 20th ; in Bahawalpur, Quetta and Kalat divisions on the 21st and only in Kalat division on the last day of the week, when scattered light rainfall was reported from Hyderabad division. Rainfall was heavy at a few places in D. I. Khan and Quetta divisions on the 17th. According to newspaper reports three rivers Indus, Jhelum and Chenab were in spate.

Chief amounts of rainfall recorded during the week were : Montgomery 5" and Lahore 3" on the 16th and D. I. Khan and Harnai 3" each on the 17th.

Day temperatures were markedly to considerably below normal in the northern and the central areas and slightly to appreciably so in the rest of the province during the first three days of the week extending coastal Kalat and Karachi divisions on the 18th. These were otherwise slightly to appreciably so in most of the coastal and northern areas of the province during the next three days and became slightly above normal in Lahore, Rawalpindi, Sargodha, Peshawar, Karachi and Hyderabad divisions on the last day of the week.

2. CHITTAGONG DIVISION :	Widespread rain fell on one day, fairly widespread and local on three days each.
DACCA DIVISION :	Widespread rain fell on two days, fairly widespread and local on one day each and scattered on two days.
KHULNA DIVISION :	Widespread rain fell on one day, fairly widespread on three days, local on one day and scattered on two days.
RAJSHAHI DIVISION :	Fairly widespread rain fell on one day, local on four days and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread rain fell on one day.
RAWALPINDI DIVISION :	Widespread, local and scattered rain fell on one day each.
SARGODHA DIVISION :	Fairly widespread rain fell on one day and local on two days.
MULTAN DIVISION :	Fairly widespread rain fell on one day and local on three days.
BAHAWALPUR DIVISION :	Fairly widespread rain fell on one day and local on three days.
PESHAWAR DIVISION :	Fairly widespread rain fell on one day, local on two days and scattered on one day.
D. I. KHAN DIVISION :	Fairly widespread and scattered rain fell on two days each.
QUETTA DIVISION :	Scattered rain fell on three days.
KALAT DIVISION :	Weather remained dry during the week.
KARACHI DIVISION :	Weather remained dry during the week.
HYDERABAD DIVISION :	Scattered rain fell on one day.
KHAIRPUR DIVISION :	Weather remained mainly dry.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong, Dacca, Multan, Bahawalpur, Peshawar, D. I. Khan and Quetta divisions ; excess in Lahore and Sargodha divisions ; deficient in Khulna and Rajshahi divisions and scanty in Rawalpindi and Khairpur divisions whereas no rain fell elsewhere in West Pakistan.

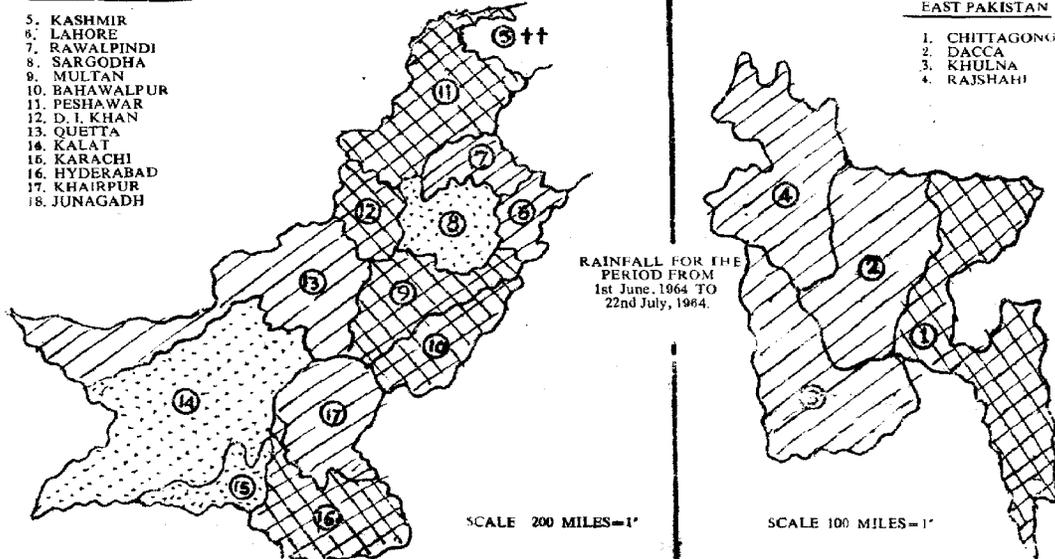
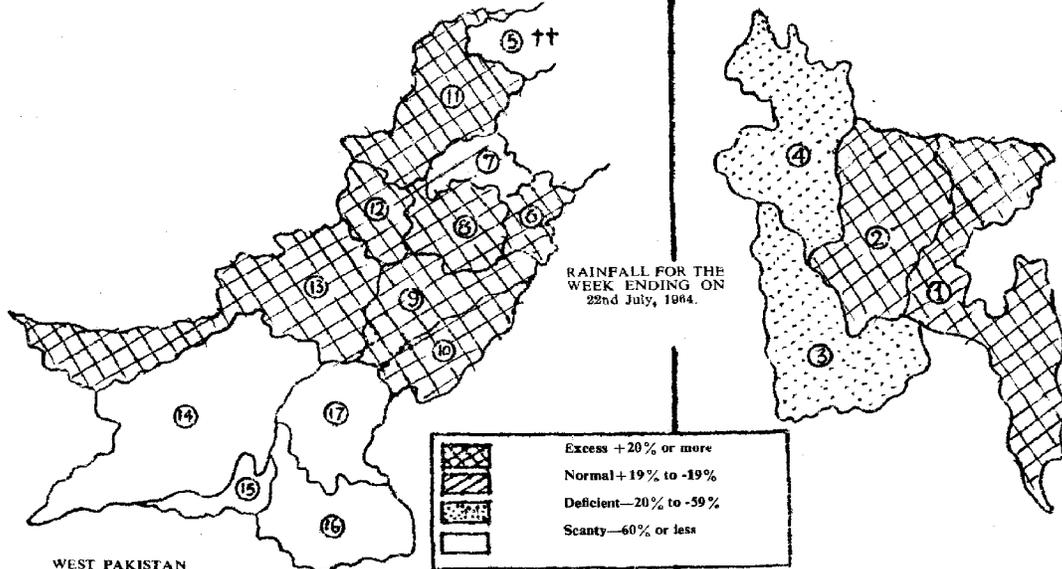
Rainfall for the period from 1st June 1964 to-date was in large excess in Multan, Peshawar and D. I. Khan divisions ; excess in Chittagong, Bahawalpur and Hyderabad divisions ; normal elsewhere in East Pakistan and in Lahore, Rawalpindi, Quetta and Khairpur divisions and deficient in Sargodha, Kalat and Karachi divisions.

4. The table overleaf summarises the rainfall, statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 22nd July, 1964.			Rainfall for Period from 1st June, 1964 to 22nd July, 1964.			
	*Actual	Normal	*Excess or defect	+Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	7.9	4.3	+ 3.7	43.8	36.3	+ 7.5	+ 21
2. Dacca	4.7	2.8	+ 1.9	28.3	24.9	+ 3.4	+ 14
3. Khulna	2.1	3.2	- 1.1	23.0	24.0	- 1.0	- 4
4. Rajshahi	1.6	2.6	- 1.0	25.9	26.6	- 0.8	- 3
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	1.9	1.4	+ 0.5	6.2	6.9	- 0.7	- 10
7. Rawalpindi	0.7	2.4	- 1.7	10.0	10.0	- 2.0	- 17
8. Sargodha	1.0	0.9	+ 0.2	2.7	3.6	- 0.9	- 24
9. Multan	3.4	0.3	+ 3.1	4.7	2.2	+ 2.5	+ 116
10. Bahawalpur	0.9	0.4	+ 0.5	2.1	1.7	+ 0.4	+ 24
11. Peshawar	2.4	0.7	+ 1.7	4.3	2.7	+ 1.6	+ 60
12. D. I. Khan	4.1	0.3	+ 3.7	4.4	2.1	+ 2.3	+ 114
13. Quetta	0.9	0.3	+ 0.6	2.1	1.0	+ 0.1	+ 8
14. Kalat	0	0.1	- 0.1	0.3	0.6	- 0.3	- 48
15. Karachi	0	0.5	- 0.5	1.2	1.7	- 0.5	- 29
16. Hyderabad	0	0.7	- 0.7	4.2	2.8	+ 1.4	+ 51
17. Khairpur	0	0.1	- 0.1	0.7	0.8	- 0.2	- 19
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 29th July, 1964.

—o:O:—

SUMMARY OF WEATHER

EAST PAKISTAN: Monsoon was active and caused fairly widespread rain or thundershowers practically over the whole province during the first three days and also on the last day of the week. In the intervening period monsoon activity slackened and mainly local falls occurred in the province between the 26th and the 28th except in Khulna division where the weather was dry on the 27th and the 28th. The falls were heavy to very heavy at places in Chittagong division on the 29th and rather heavy to heavy at a few places in Dacca division on the 23rd and 24th and in Chittagong division between the 25th and the 28th. According to newspaper reports the heavy rain at Dacca submerged certain areas and delayed P.I.A. flights.

Noteworthy of rain recorded were:—Mymensingh and Dacca 2" each and Bogra 1½" on the 23rd; Narayanganj and Dacca 2" each on the 24th; Majidee Court 2" and Sylhet 1½" on the 25th; Sylhet 3" on the 26th; Rangpur 3" and Dinajpur 2" on the 27th; Sylhet 2" on the 28th and Sylhet 7", Chittagong 6", Cox's Bazar, Comilla and Brahmanbaria 4" each and Majidee Court 3" on the 29th.

Day temperatures were slightly below normal over the province outside Chittagong division on the 24th and in Rajshahi division on the 26th.

WEST PAKISTAN: In association with the passage of an easterly low pressure area across west Madhya Pradesh to Rajasthan and thence to Lahore division, where it merged with the seasonal trough of low pressure well marked incursion of monsoon easterlies took place into the province during the last five days of the week. As a consequence local to fairly widespread rain all or thundershowers occurred in the northern and central divisions and scattered in Kalat, Hyderabad and Khairpur divisions between the 25th and 27th and widespread in Lahore, Rawalpindi and Sargodha divisions and mainly scattered in Peshawar, D.I. Khan and Quetta divisions between the 28th and the 29th. The falls were locally heavy to very heavy in Rawalpindi and Peshawar divisions on the 25th, in Quetta division on the 26th in Rawalpindi, Lahore, Bahawalpur and Peshawar divisions on the 27th, in Lahore division on the 28th and in Lahore and Sargodha divisions on the 29th. According to newspaper reports the river Chenab over flew its banks and Chinot town was flooded as a consequence of the heavy rains.

Outstanding amounts of rainfall recorded were:—Islamabad 4" and Rawalpindi, Murree, Campbellpur, Haripur and Nagarparkar 3" each on the 25th; Sibi and Harnai 3" each and Leiah 2" on the 26th; Sialkot and Fortabbas 8" each and Jhelum, Bahawalpur, Kakul and Barkhan 2" each on the 27th; Sialkot 4" on the 28th and Lahore, Lyalpur and Islamabad 2" each on the 29th.

Day temperatures were slightly to appreciably above normal in the northern and central divisions during the first three days and markedly below normal in Lahore, Rawalpindi and Sargodha divisions and slightly to appreciably so practically throughout the rest of the province during the last four days of the week.

2 CHITTAGONG DIVISION :	Widespread rain fell on two days, fairly widespread on three days and local on two days.
DACCA DIVISION :	Widespread rain fell on three days, local and scattered on two days each.
KHULNA DIVISION :	Widespread, fairly widespread and local rain fell on one day each and scattered on two days.
RAJSHAHI DIVISION :	Fairly widespread rain fell on four days, local on two days and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread rain fell on four days.
RAWALPINDI DIVISION :	Widespread rain fell on two days, fairly widespread on one day and local on two days.
SARGODHA DIVISION :	Widespread rain fell on one day, fairly widespread on two days and local on one day.
MULTAN DIVISION :	Local rain fell on two days.
BAHAWALPUR DIVISION :	Fairly widespread rain fell on two days and local on one day.
PESHAWAR DIVISION :	Local rain fell on three days and scattered on one day.
D. I. KHAN DIVISION :	Widespread and scattered rain fell on two days each.
QUETTA DIVISION :	Rainfall was local on two days and scattered on three days.
KALAT DIVISION :	Scattered rain fell on two days.
KARACHI DIVISION :	Weather remained dry during the week.
HYDERABAD DIVISION :	Scattered rain fell on two days.
KHAIRPUR DIVISION :	Scattered rain fell on two days.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Lahore, Rawalpindi Sargodha, Quetta and Kalat divisions; in excess in Chittagong, Rajshahi, Bahawalpur and D.I. Khan divisions; normal in Dacca and Peshawar divisions; deficient in Multan division and scanty in Khulna division whereas no rain fell elsewhere.

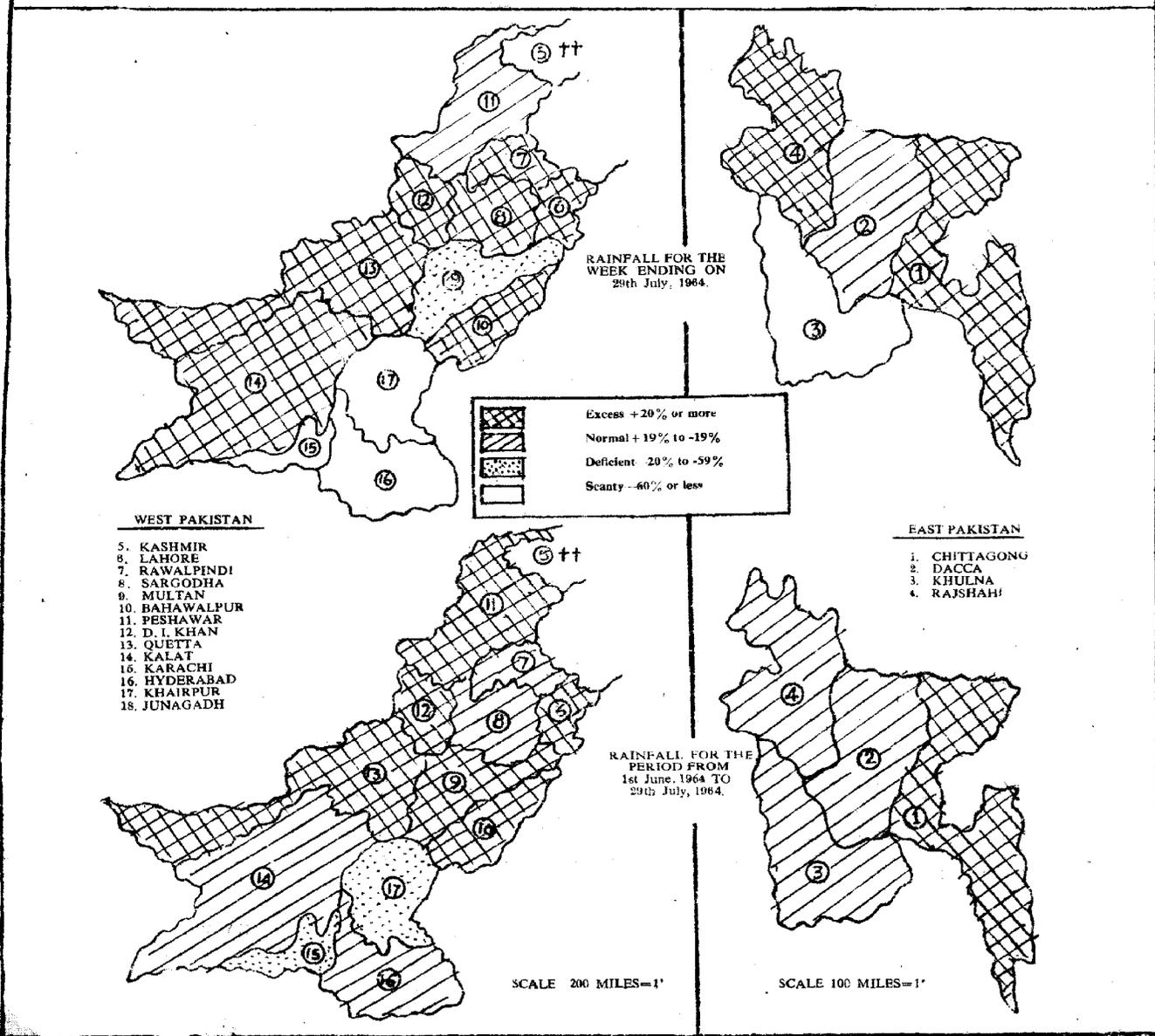
Rainfall for the period from 1st June 1964 to-date was in large excess in Lahore, Multan, D.I. Khan and Quetta divisions; in excess in Chittagong, Bahawalpur and Peshawar divisions; normal in Dacca, Khulna, Rajshahi, Rawalpindi, Sargodha, Kalat and Hyderabad divisions and deficient in Karachi and Khairpur divisions.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June 1964 to-date

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 29th July, 1964.			Rainfall for Period from 1st June, 1964 to 29th July, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per—Cent
1. Chittagong	6.6	5.4	+ 1.2	50.4	41.7	+ 8.7	+ 21
2. Dacca	3.4	3.4	0	31.7	28.2	+ 3.5	+ 12
3. Khulna	1.1	3.3	- 2.2	24.1	27.4	- 3.3	- 12
4. Rajshahi	3.9	3.1	+ 0.8	29.8	29.7	+ 0.1	Normal
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	8.7	1.6	+ 7.1	14.9	8.5	+ 6.4	+ 75
7. Rawalpindi	4.9	2.7	+ 2.2	14.9	14.7	+ 0.2	+ 01
8. Sargodha	2.4	0.9	+ 1.6	5.2	4.5	+ 0.7	+ 15
9. Multan	0.4	0.6	- 0.2	5.1	2.8	+ 2.3	+ 82
10. Bahawalpur	1.0	0.8	+ 0.2	3.1	2.5	+ 0.6	+ 24
11. Peshawar	0.5	0.5	0	4.8	3.2	+ 1.6	+ 50
12. D. I. Khan	0.5	0.4	+ 0.1	4.9	2.5	+ 2.4	+ 98
13. Quetta	1.1	0.4	+ 0.7	3.2	1.4	+ 1.8	+ 130
14. Kalat	0.3	0.1	+ 0.2	0.7	0.7	- 0.7	- 11
15. Karachi	0	0.5	- 0.5	1.2	2.2	- 1.0	- 47
16. Hyderabad	0	0.7	- 0.7	4.2	3.5	+ 0.7	+ 19
17. Khairpur	0	0.2	- 0.2	0.7	1.0	+ 0.4	- 36
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 5th August, 1964.

—o:O:—

SUMMARY OF WEATHER

EAST PAKISTAN: Monsoon was active and caused widespread rain with locally heavy to very heavy falls throughout the province during the first two days. Thereafter it weakened and caused scattered to local falls in the province during the last five days except for fairly widespread rainfall in Rajshahi division on the 3rd and in Dacca and Khulna divisions on the 5th. Weather was dry in khulna division on the 3rd and the 4th.

Noteworthy amounts of rainfall recorded were Brahmanbaria 6", Bogra 5" Srimangal and Dacca 4" each and Jessore and Rangpur and Sirajganj 3" each on the 30th; Dacca and Faridpur, Satkhira and Jessore 3" each on the 31st; Chittagong, Maijdee Court and Srimangal 1" each on the 1st; Chittagong and Jessore 1½" each on the 2nd; Cox's Bazar 1½" on the 3rd, Pabna 1" on the 4th and Comilla 4" and Dinajpur 2" on the 5th.

Day temperatures were appreciably below normal over the whole province on the 30th and the 31st and in Dacca and Rajshahi divisions on the 1st and appreciably above normal in khulna division on the 3rd and over the province outside Rajshahi division on the 4th.

WEST PAKISTAN: A western disturbance moving across the north of the province caused local thunderstorms or showers in Multan division and scattered in Bahawalpur, Peshawar, D. I. Khan and Quetta divisions on the 1st. The weather was otherwise mainly dry over the province except for the occurrence of a few thunderstorms or light showers in Peshawar and Quetta divisions on the 30th and again in last named division on the 2nd and the 3rd and in first named division on the 4th as a result of accentuation of the seasonal trough or low pressure on these days.

Chief amounts of rainfall recorded were Sibi 1/4" on the 30th; D.I. Khan 1/2" and Multan 1/4" on the 1st.

Day temperatures were markedly below normal in Lahore and Sargodha divisions and appreciably so elsewhere over the province outside Karachi and coastal Kalat divisions during the first two days and slightly above normal in Quetta, Karachi, Hyderabad and Rawalpindi divisions on the 2nd and appreciably so in most of the northern and central divisions between the 3rd and the 5th.

2 CHITTAGONG DIVISION :	Widespread rain fell on two days, local on four days and scattered on one day.
DACCA DIVISION :	Rainfall was widespread on two days, fairly widespread and local on one day each and scattered on three days.
KHULNA DIVISION :	Widespread rain fell on two days, fairly widespread, local and scattered on one day each.
RAJSHAH I DIVISION :	Rainfall was widespread on two days, fairly widespread on one day, local and scattered on two days each.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained mainly dry.
RAWALPINDI DIVISION :	Weather remained mainly dry.
SARGODHA DIVISION :	Weather remained dry.
MULTAN DIVISION :	Local rain fell on one day.
BAHAWALPUR DIVISION :	Weather remained dry.
PESHAWAR DIVISION :	Weather remained mainly dry.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	Scattered rain fell on one day.
KALAT DIVISION :	Weather remained dry during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Rajshahi; in excess in Dacca and Khulna divisions; normal in Chittagong division; deficient in D. I. Khan division and scanty in Lahore, Rawalpindi, Multan and Quetta divisions.

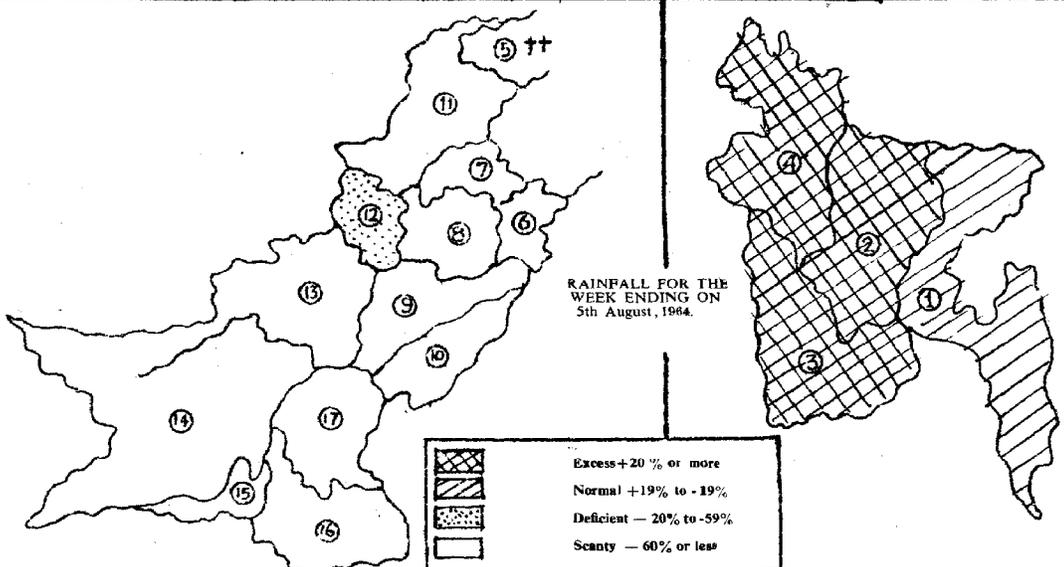
Rainfall for the period from 1st June 1964 to-date was in large excess in D. I. Khan and Quetta divisions; in excess in Chittagong, Lahore, Multan and Peshawar divisions; normal elsewhere in East Pakistan and in Rawalpindi, Sargodha, Bahawalpur and Hyderabad divisions and deficient in Kalat, Karachi and Khairpur divisions.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

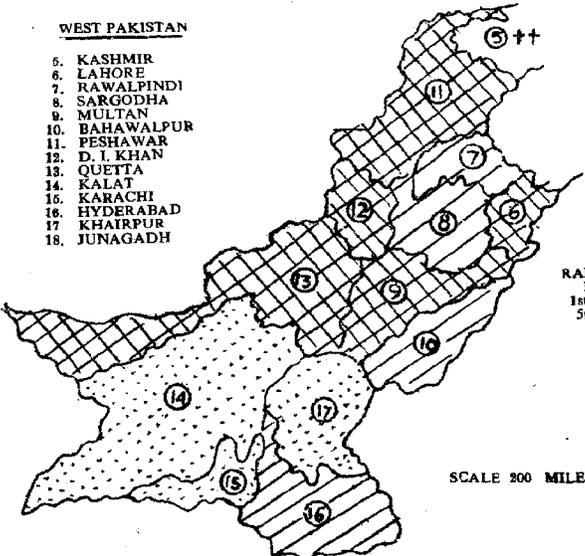
Division	Rainfall for week ending on 5th August, 1964.			Rainfall for Period from 1st June, 1964 to 5th August, 1964.			
	Actual	Normal	*Excess or defect	Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	6.2	5.4	+ 0.7	56.6	47.1	+ 9.5	+ 20
2. Dacca	4.9	3.1	+ 1.3	36.2	31.4	+ 4.8	+ 15
3. Khulna	3.8	3.0	+ 0.8	27.9	30.3	- 2.5	- 8
4. Rajshahi	5.7	3.0	+ 2.7	35.5	32.7	+ 2.7	+ 8
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	1.6	- 1.6	14.7	10.1	+ 4.8	+ 48
7. Rawalpindi	0	2.5	- 2.4	14.9	17.2	- 2.2	- 13
8. Sargodha	0	0.8	- 0.8	5.2	5.3	- 0.1	- 3
9. Multan	0.1	0.7	- 0.6	5.2	3.5	+ 1.7	+ 50
10. Bahawalpur	0	0.7	- 0.6	5.2	3.5	+ 1.7	+ 50
11. Peshawar	0	0.7	- 0.7	4.8	3.9	+ 0.9	+ 21
12. D. I. Khan	0.3	0.6	- 0.3	5.2	3.1	+ 2.1	+ 70
13. Quetta	0	0.3	- 0.3	3.2	1.7	+ 1.5	+ 86
14. Kalat	0	0.1	- 0.1	0.7	0.8	- 0.2	- 21
15. Karachi	0	0.3	- 0.3	1.2	2.5	- 1.3	- 52
16. Hyderabad	0	0.4	- 0.4	4.2	3.9	+ 0.3	+ 8
17. Khairpur	0	0.5	- 0.5	0.7	1.4	- 0.7	- 51
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEST PAKISTAN

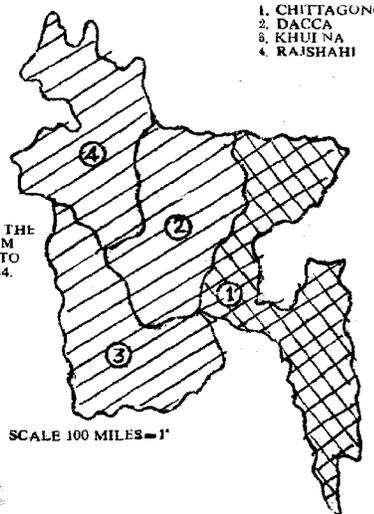
- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH



SCALE 200 MILES=1"

EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI



SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 12th August, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN A depression formed in the northwest angle of the Bay on the 6th morning and moved away westwards across the Orisa coast on the same evening after causing fairly widespread rainfall in Dacca division and local falls in Chittagong and Khulna divisions. The monsoon, however, remained weak and only scattered rainfall occurred in the province till the 9th when a depression developed and deepened rapidly over the North Bay of Bengal. It was centred at 0300 GMT on the 10th near Sandheads. Moving westnorth westwards it crossed Orisa coast by the next morning and lay as the depression with centre 40 miles westnorthwest of Jubbalpur at 0300 GMT on the last day of the week. Under its influence monsoon gradually strengthened and caused local falls over the province on the 10th and fairly widespread rain with locally heavy falls there on the 11th and 12th.

Noteworthy amounts of rainfall recorded were:—Rangamati 1" on the 6th; Srimangal and Mymensingh 1½" each on the 7th; Srimangal 3" on the 8th; Majdee Court 1½" on the 11th and Sirajganj 3" and Cox's Bazar, Rajshahi and Comilla 1½" each on the 12th.

Day temperatures were generally slightly above normal in the province between the 7th and the 9th and nearly normal during the rest of the week.

WEST PAKISTAN The seasonal trough of low pressure extending from Quetta division to Sargodha division deepened during the first four days of the week and was responsible for drawing the monsoon which caused local rain or thundershowers in Rawalpindi division between the 6th and the 9th in Lahore division on the 9th and scattered showers in Quetta and D.I. Khan divisions on the 8th and 9th with a few heavy falls in Quetta and Rawalpindi divisions. With the formation of a deep depression in the north Bay on the 9th the monsoon strengthened in the northern parts of the province causing fairly widespread rain with locally heavy falls in the northern division from Peshawar to Lahore on the 10th, in these and in Sargodha and Bahawalpur divisions on the 12th and scattered in Rawalpindi, Sargodha and Peshawar divisions on the 11th. In the mean while a trough of low pressure developed off Kathiawar coast on the 6th and moved slowly northwestwards. It caused a few thundershowers or showers in Khairpur division on the 6th and the 10th, in Karachi division on the 9th and in Hyderabad division on the 10th.

Chief amounts of rainfall recorded were:—Fortsandeman 2" and Murree and Islamabad ¾" each on the 6th; Fortsandeman 4" Jhelum 2" and Loralai ¾" on the 7th; Islamabad 2" on the 9th; Islamabad 5", Sialkot, Rawalpindi and Peshawar 3" each and Chakdara 2" on the 10th, Parachinar 2" on the 11th and Islamabad 4" and Sargodha 1½" on the 12th.

Day temperatures were markedly below normal in Quetta division on the 7th and to the same extent above normal in Karachi and Hyderabad divisions on the 9th. These were otherwise slightly above normal over most of the province between the 6th and the 11th and in Quetta, D. I. Khan, Karachi and Hyderabad divisions on the 12th.

2 CHITTAGONG DIVISION :	Fairly widespread rain fell on two days, local on four days and scattered on one day.
DACCA DIVISION :	Widespread rain fell on one day, fairly widespread on two days, local on one day and scattered on two days.
KHULNA DIVISION :	Rainfall was widespread and scattered on two days each and fairly widespread and local on one day each.
RAJSHAHI DIVISION :	Fairly widespread rain fell on one day and local and scattered on two days each.
KASHMIR :	Data not available.
LAHORE DIVISION :	Local rain fell on two days.
RAWALPINDI DIVISION :	Rainfall was widespread and fairly widespread on one day each, local on three days and scattered on two days.
SARGODHA DIVISION :	Fairly widespread rain fell on one day and local on another day.
MULTAN DIVISION :	No rain fell during the week.
BAHAWALPUR DIVISION :	Local rain fell on one day.
PESHAWAR DIVISION :	Rainfall was local on three days and scattered on two days.
D. I. KHAN DIVISION :	Scattered rain fell on two days.
QUETTA DIVISION :	
KALAT DIVISION :	} No rain fell during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	Rain fell was scattered on one day.
KHAIRPUR DIVISION :	No rain fell during the week.
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Quetta division in slight excess in Peshawar division; normal in Lahore and Rawalpindi divisions; deficient in Chittagong, Dacca, Khulna and Sargodha divisions and scanty in Rajshahi, D.I. Khan and Hyderabad divisions. Whereas no rain fell elsewhere over the country.

Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division; excess in Lahore, Peshawar and D.I. Khan divisions; normal in East Pakistan, Rawalpindi, Sargodha, Multan, Bahawalpur and Hyderabad divisions; deficient in Kalat and Karachi divisions and scanty in Khairpur division.

The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June 1964 to-date.

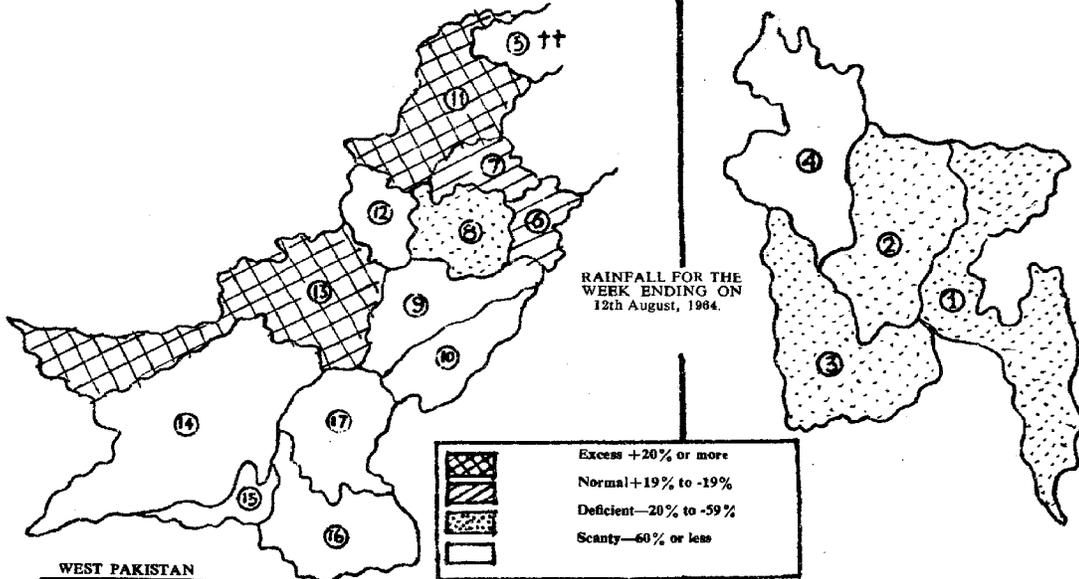
Karachi—11
The 12th August, 1964.

SIBTE NABI NAQVI
Director, Meteorological Service.

WEEKLY WEATHER REPORT

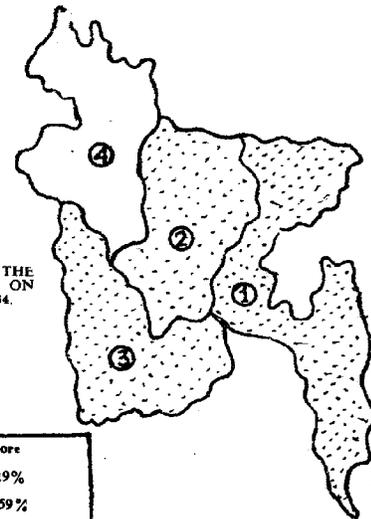
DIVISION.	Rainfall for week ending on 12th August, 1964.			Rainfall for Period from 1st June, 1964 to 12th August, 1964.			
	Actual	Normal	*Excess or defect	Actual	Normal	Excess or defect	
						Inches	Per—Cent
1. Chittagong	2.4	4.0	— 1.5	59.0	51.1	+ 7.9	+ 16
2. Dacca	2.3	3.1	— 0.7	38.5	34.5	+ 4.1	+ 12
3. Khulna	1.3	3.0	— 1.7	29.2	33.3	— 4.1	— 12
4. Rajshahi	1.0	2.7	— 1.7	36.5	35.5	+ 1.0	+ 3
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	1.6	1.8	— 0.2	16.6	12.0	+ 4.6	+ 39
7. Rawalpindi	2.8	3.3	— 0.5	17.7	20.5	— 2.8	— 13
8. Sargodha	0.4	0.9	— 0.5	5.5	6.2	— 0.7	— 10
9. Multan	0	0.9	— 0.9	5.2	4.4	+ 0.8	+ 19
10. Bahawalpur	0	0.4	— 0.4	3.1	3.6	— 0.5	— 14
11. Peshawar	1.3	0.9	+ 0.3	6.1	4.9	+ 1.2	+ 24
12. D. I. Khan	0.1	0.5	— 0.5	5.3	3.6	+ 1.7	+ 47
13. Quetta	1.2	0.3	+ 0.9	4.4	2.0	+ 2.4	+ 120
14. Kalat	0	0.1	— 0.1	0.7	1.0	— 0.3	— 32
15. Karachi	0	0.3	— 0.3	1.2	2.7	— 1.5	— 57
16. Hyderabad	0.2	0.8	— 0.6	4.3	4.7	— 0.4	— 9
17. Khairpur	0	0.3	— 0.3	0.7	1.7	— 1.0	— 84
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. †† Data not available.



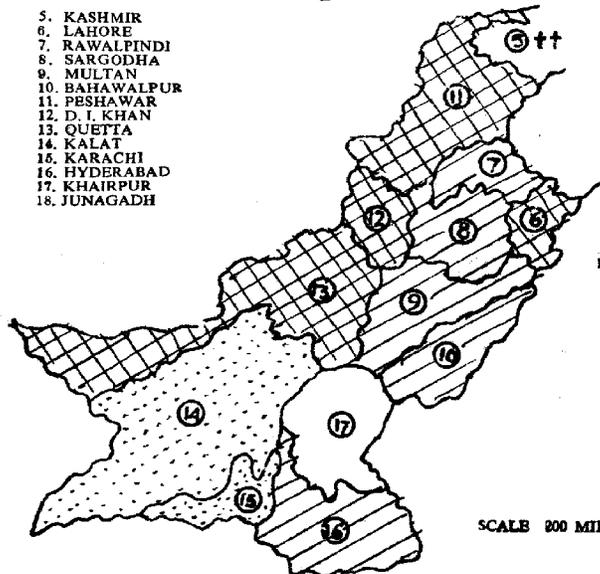
WEST PAKISTAN

- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH

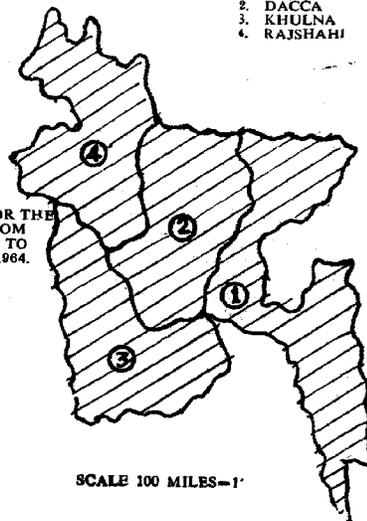


EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAH



SCALE 200 MILES=1"



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 19th August 1964.

—o:O:o—

SUMMARY OF WEATHER

FAST PAKISTAN: Last week's depression moved northwest wards and was centred near Kotah on the 13th morning. Thereafter it weakened rapidly and became unimportant during the next 24 hours. Simultaneously conditions became unsettled in the northwest Bay of Bengal resulting in a depression centred at 0300 hours GMT of the 15th near Latitude 20½°N and Longitude 87°E. The depression moved inland westnorthwest-wards by the 16th and ultimately filled up over East Uttar Pradesh and adjoining areas after 17th evening. Under their successive influence monsoon remained generally active over the province and caused local to fairly widespread rain or thundershowers except that general light rain fell in Dacca division on the 18th. A few heavy to very heavy falls were reported from Chittagong division on the 13th, 14th, 17th and the 19th.

Chief amounts of rainfall recorded during the week were; Chittagong 3" on the 13th and Comilla on the 14th; Chittagong 4" and Cox's Bazar 3" on the 17th and Chittagong 3" on the 19th.

Day temperatures remained generally normal in the province during the week except for the 17th and the 18th when the slightly below normal.

WEST PAKISTAN: Under the influence of the two depressions, that moved westnorthwest-wards to the central parts of India and two feeble low pressure areas, that developed over Rajasthan in their advance, well marked incursion of monsoon took place into the province. A western disturbance also moved across the northern areas of the province and Kashmir during the late half of the week. Torrential rains fell in Lahore division on the 17th night when Lahore recorded 8" of rainfall. According to news paper report 19 persons were killed and many more injured. Railway traffic was dislocated due to breaches. Rain or thundershowers were otherwise fairly widespread to widespread in Lahore and Sargodha divisions between the 16th and the 18th, in Sargodha, D.I. Khan and Multan divisions respectively on the 13th, 16th and 17th and in Rawalpindi division on the 16th. Scattered to local rain or thundershowers occurred in Lahore and Sargodha divisions on the 19th, in Rawalpindi division during the last three days of the week, in Multan division on the first and the last days of the week, in Bahawalpur division on the 13th, in Peshawar and Quetta divisions on the 14th and during the last four days of the week, in D.I. Khan division on the 17th, in Kalat division on the 14th and the 15th, in Karachi and Hyderabad divisions during the first five days of the week and in Khairpur division on the 13th, 14th, 17th and the 19th. Scattered light rain and a few thunderstorms were reported from Bahawalpur division on the 14th and the 15th, from Peshawar and Quetta divisions on the 13th and from Hyderabad division on the 18th. A few moderate to heavy falls were also experienced in Hyderabad division on the 13th, in Lahore, Rawalpindi and D.I. Khan divisions on the 16th, in Sargodha and Multan divisions on the 17th, in Rawalpindi division on the 18th and in Quetta and Khairpur divisions on the 19th.

Chief amounts of rainfall recorded during the week were:— Nagarparker 2" on the 13th; Murree 3" and Bannu 2" on the 16th; Lyallpur 2" on the 17th; Lahore 8" and Jhelum 3" on the 18th and Kashmir 3" and Sibi 2" on the 19th.

Day temperatures were markedly below normal in Lahore, Rawalpindi, Sargodha, Multan and D.I. Khan divisions on the 18th and appreciably to markedly so in most of the northern areas on the 13th, 16th, 17th and 19th. These were slightly to appreciably above normal in the coastal areas on the 13th, 17th and 19th, in Lahore and Rawalpindi divisions on the 15th and in Quetta division on the 16th.

2. CHITTAGONG DIVISION :	Rainfall was widespread on two days, fairly widespread on three days and local on two days.
DACCA DIVISION :	Widespread rain fell on three days, fairly widespread on two days, and scattered on one day.
KHULNA DIVISION :	Rain fall was widespread on two days, fairly widespread on four days and local on one day.
RAJSHAHI DIVISION :	Rain fall was local on six days and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread rain fell on three days and local on one day.
RAWALPINDI DIVISION :	Rainfall was fairly widespread on one day and local on three days.
SARGODHA DIVISION :	Fairly widespread rain fell on four days and local on one day.
MULTAN DIVISION :	Rainfall was fairly widespread on one day and local on two days.
BAHAWALPUR DIVISION :	Local rain fell on one day.
PESHAWAR DIVISION :	Local rain fell on two days and scattered on three days.
D. I. KHAN DIVISION :	Fairly widespread and scattered rain fell on one day each.
QUETTA DIVISION :	Scattered rain fell on four days.
KALAT DIVISION :	Scattered rain fell on two days;
KARACHI DIVISION :	Rain fell was local on one day and scattered on three days.
HYDERABAD DIVISION :	Rain fall was local on two days and scattered on three days.
KHAIRPUR DIVISION:	Local rain fell on one day and scattered on three days.
JUNAGADH:	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess, in Lahore, Multan, Sargodha, D. I. Khan, Quetta and Kalat divisions; in excess in Karachi division; normal in chittagong, Dacca, Khulna and Peshawar divisions; deficient in Rajshahi, Rawalpindi and Bahawalpur divisions and scanty elsewhere in West Pakistan.

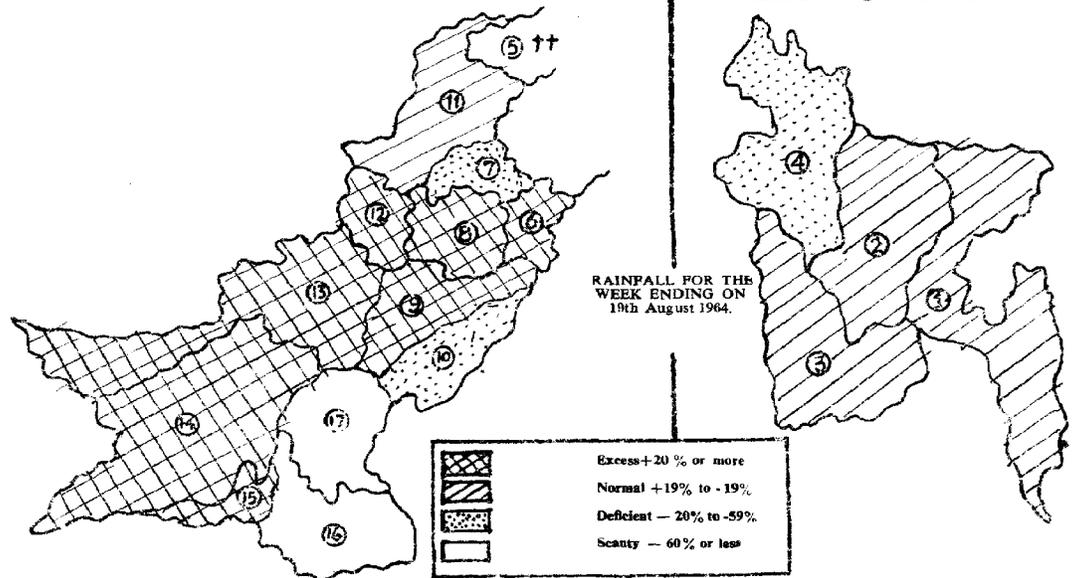
Rainfall for the period from 1st June 1964 to-date was in large excess in Lahore and Quetta divisions; in excess in Multan, Peshawar, D.I. Khan and Kalat divisions; normal in East Pakistan and in Rawalpindi, Sargodha, Bahawalpur and Hyderabad divisions; deficient in Karachi division and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st June, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 19th August, 1964.			Rainfall for Period from 1st June, 1964 to 19th August, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	5.6	4.9	+ 0.7	64.6	56.0	+ 8.7	+ 15
2. Dacca	2.9	3.0	- 0.1	41.8	37.5	+ 4.0	+ 5
3. Khulna	2.7	3.0	- 0.3	31.9	36.3	- 4.4	- 11
4. Rajshahi	1.9	2.8	+ 0.9	38.4	38.3	+ 0.1	Normal
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	6.3	1.7	+ 4.6	22.9	13.7	+ 9.2	+ 67
7. Rawalpindi	2.2	3.0	- 0.8	19.9	23.5	- 3.5	- 15
8. Sargodha	2.7	0.9	+ 1.8	8.2	7.1	+ 1.1	+ 16
9. Multan	1.5	0.4	+ 1.1	6.7	4.8	+ 1.9	+ 39
10. Bahawalpur	0.3	0.4	- 0.1	3.4	4.0	- 0.6	- 17
11. Peshawar	0.9	0.9	0	6.9	5.7	+ 1.2	+ 20
12. D. I. Khan	0.7	0.3	+ 0.4	6.0	3.9	+ 2.1	+ 54
13. Quetta	0.5	0.2	+ 0.3	4.9	2.3	+ 2.7	+ 118
14. Kalat	0.6	0.1	+ 0.5	1.2	1.0	+ 0.2	+ 20
15. Karachi	0.4	0.2	+ 0.1	1.5	3.0	- 1.4	- 48
16. Hyderabad	0.1	0.6	- 0.5	4.3	5.3	- 0.9	+ 12
17. Khairpur	0	0.2	- 0.2	0.7	1.9	- 1.3	- 61
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 * Rainfall of stations having no normals is not included. †† Data not available.



WEST PAKISTAN

- 6. KASHMIR
- 7. LAHORE
- 8. RAWALPINDI
- 9. SARGODHA
- 10. MULTAN
- 11. BAHAWALPUR
- 12. PESHAWAR
- 13. D. I. KHAN
- 14. QUETTA
- 15. KALAT
- 16. KARACHI
- 17. HYDERABAD
- 18. KHAIRPUR
- 19. JUNAGADH

EAST PAKISTAN

- 1. CHITTAGONG
- 2. Dacca
- 3. KHULNA
- 4. RAJSHAHI

RAINFALL FOR THE PERIOD FROM 1st June, 1964 TO 19th August 1964

SCALE 200 MILES=1"

SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 26th August 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Pressure began to fall in the North Bay of Bengal on the 22nd and concentrated into a well marked low and moved inland to Orissa by the 23rd evening. Thereafter it weakened gradually and moved away slowly north-westwards. The monsoon revived temporarily in its wake and caused fairly widespread rain or thundershowers over the province between the 23rd and the 25th with a few heavy falls in Chittagong division on the 24th and the 25th. Fairly widespread rain or thundershowers also occurred in the province during the week with isolated heavy falls in Chittagong division on the first day.

Chief amounts of rain fall recorded during the week were: Cox Bazar 6" on the 20th; Cox Bazar 4" on the 24th and Majidee Court 4" on the 25th.

According to newspaper reports the flood situation in East Pakistan further worsened when water level in eleven rivers of the province recored a further rise at 13 stations as per press release of East Pakistan WAPDA on 25th.

Day temperatures were slightly below normal in the province on the 25th and generally normal during the rest of the week.

WEST PAKISTAN: Incurison of the monsoon easterlies continued to occur into the northern and central parts of West Pakistan practically throughout the week due to the northwestwards movement of the well marked low from the North Bay of Bengal. However, except in Rawalpindi division where fairly widespread rain or thundershowers occurred on the 21st and 22nd, the monsoon was generally weak. As a consequence thunderstorms or showers were scattered to local in Lahore division on the 20th, 22nd and 23rd, in Rawalpindi division during the rest of the week, in Sargodha division on the 24th and the 25th, in Multan and Bahawalpur divisions on the 25th, and 20th respectively, in Peshawar division on the all the days of the week, in D. I. Khan division on the 20th and the 23rd and in Quetta division on the 20th and the 24th. Scattered thunderstorms were also reported from Lahore division on the 24th, from Multan division between the 22nd and the 24th, from Bahawalpur division on the 22nd, 24th and the 26th and from Quetta division on the 22nd and the 25th. Light rain also fell in Sargodha and D. I. Khan divisions respectively on the 21st and 22nd.

Chief amount of rain fall recorded were; 1 1/2" at Fort Abbas on the 20th; 1" at Murree, Campbellpur and Kakul on the 21st; at Peshawar on the 22nd at Haripur on the 24th and at Lyallpur on the 25th.

According to Newspaper reports a 30 square miles stretch of water submerged many villages surrounding Raiwind about 24 miles from Lahore. Standing crops were damaged and a number of houses also collapsed.

Day temperatures were appreciably below normal in Lahore, Sargodha, D. I. Khan and Khairpur divisions on the 20th and only in Lahore and Sargodha divisions during the next two days. These were slightly above normal in Karachi division on the first day of the week.

2. CHITTAGONG DIVISION :	Rainfall was widespread on two days, fairly widespread on four days and local on the remaining day.
DACCA DIVISION :	Widespread rain fell on one day and fairly widespread and local on three days each.
KHULNA DIVISION :	Rain fall was widespread on four days, fairly widespread on one day and local on two days.
RAJSHAHI DIVISION :	Widespread, fairly widespread and scattered rain fell on one day each and local during the rest of the week.
KASHMIR :	Data not available.
LAHORE DIVISION :	Local rain fell on one day and scattered on two days.
RAWALPINDI DIVISION :	Widespread and fairly widespread rain fell on one day each and scattered and local on two days each.
SARGODHA DIVISION :	Local rain fell on two days.
MULTAN DIVISION :	Scattered rainfall on one day.
BAHAWALPUR DIVISION :	Local rain fell on one day.
PESHAWAR DIVISION :	Rainfall was local on two days and scattered on four days.
D. I. KHAN DIVISION :	} Scattered rain fell on two days.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	} Weather remained dry.
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on the data of stations of having normals, the week's rainfall was in large excess in Chittagong division, normal in Dacca and Khulna divisions, deficient in Rajshahi, Rawalpindi, Sargodha and Peshawar divisions and scanty in Lahore, Multan, Bahawalpur, and D. I. Khan and Quetta divisions.

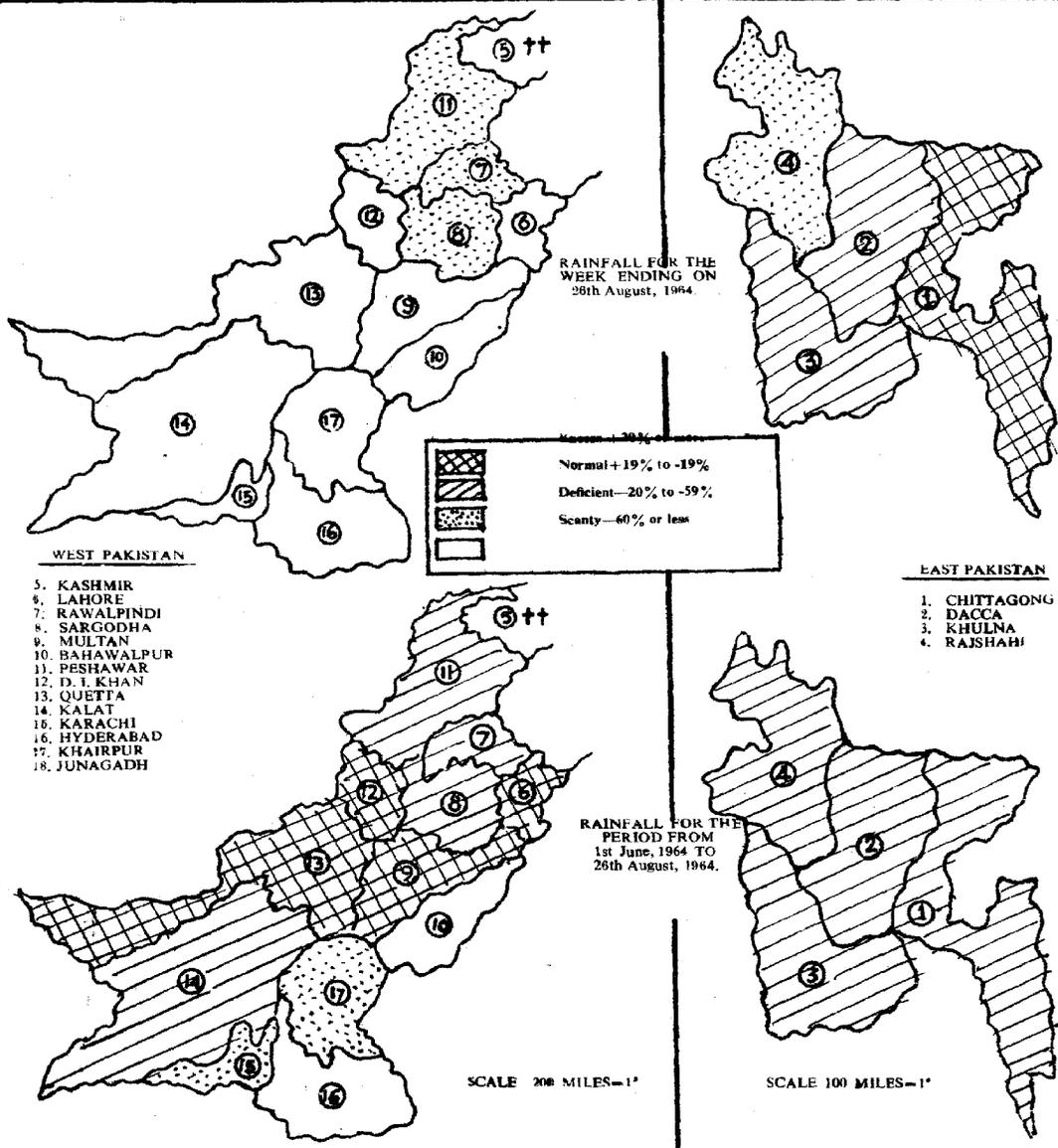
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Lahore, Multan and D.I. Khan divisions, normal in East Pakistan and in Rawalpindi, Sargodha, Peshawar and Kalat divisions, deficient in Karachi and Khairpur divisions and scanty in Bahawalpur and Hyderabad divisions.

The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 26th August, 1964.			Rainfall for Period from 1st June, 1964 to 26th August, 1964.			
	†Actual	Normal	Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	6.9	4.1	+ 2.8	71.5	60.0	+11.5	+ 19
2. Dacca	2.7	3.2	- 0.5	44.2	40.7	+ 3.5	+ 9
3. Khulna	2.7	3.0	- 0.3	34.5	39.2	- 4.7	- 12
4. Rajshahi	2.0	3.1	- 1.1	40.4	41.4	- 1.0	- 3
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0.3	1.6	- 1.3	23.2	15.3	+ 7.9	+ 52
7. Rawalpindi	1.3	2.2	- 0.9	21.2	25.6	- 4.4	- 17
8. Sargodha	0.5	0.9	- 0.5	8.7	8.0	+ 0.7	+ 8
9. Multan	0.1	0.4	- 0.2	6.8	5.2	+ 1.6	+ 31
10. Bahawalpur	0	0.3	- 0.3	3.4	4.3	- 0.9	- 21
11. Peshawar	0.3	0.5	- 0.2	7.2	6.3	+ 1.0	+ 16
12. D. I. Khan	0	0.2	- 0.2	6.0	4.1	+ 1.9	+ 48
13. Quetta	0	0.2	- 0.2	4.9	2.4	+ 2.5	+ 103
14. Kalat	0	0	0	1.2	1.0	+ 0.2	+ 19
15. Karachi	0	0.1	- 0.1	1.5	3.1	- 1.5	- 50
16. Hyderabad	0	0.3	- 0.3	4.3	5.5	- 1.2	- 21
17. Khairpur	0	0.1	- 0.1	0.7	2.0	- 1.3	- 66
18. Junagadh ††	—	—	—	—	—	—	—

† In the calculation of excess and defect, and their percentage, rainfall figures are taken correct to 0.1".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 2nd September, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Monsoon remained active over the province on the first and the last two days of the week and caused generally widespread rain or thundershowers on these days. In the intervening period monsoon weakened in association with the passage of an easterly low pressure area across the North Bay of Bengal. As a consequence scattered to local rain or thundershowers occurred in the whole province on the 28th, in Khulna and Rajshahi divisions on the 29th and in Chittagong and Dacca divisions on the 30th and the 31st. Light rain or a few thunderstorms were also reported from Chittagong division on the 29th and from Khulna and Rajshahi divisions on the 30th. Isolated very heavy rain also fell in Chittagong division on the last day of the week.

Significant amounts of rainfall recorded during the week were: Sylhet, Khulna, Satkhira and Jessore 2" each on the 27th, Majidce Court 2" on the 30th and Sylhet 4" on the 29th.

Day temperatures were slightly above normal in the provinces on the 30th and in Chittagong and Dacca divisions on the 31st.

WEST PAKISTAN: Last week's low pressure area from the North Bay of Bengal lay over southwest Rajasthan on the first day of the week. It moved west-southwestwards to Hyderabad division on the 28th and finally became unimportant by the 30th morning. Under its influence local to widespread rain or thundershowers occurred in Karachi, Hyderabad and Khairpur divisions on the 28th and the 29th and scattered to local in Hyderabad division on the 27th and the 30th with heavy to very heavy falls in Hyderabad and Khairpur divisions on the 29th. Monsoon also penetrated into the northern and central parts of the province during the period and caused fairly widespread rain or thundershowers in Multan division on the 29th and scattered to local in Lahore, Rawalpindi, and Sargodha divisions on the 28th with a few heavy falls in Lahore division, in Bahawalpur, Peshawar and Quetta divisions during the first two days of the week, in Sargodha and Bahawalpur divisions again on the 29th and in Rawalpindi and Peshawar divisions on the 30th and the 31st. Light rain also fell in Multan division on the 28th and a few thunderstorms developed in Quetta division on the 30th. During the last two days of the week the incursion of moist easterlies into the northern areas of West Pakistan became well marked as an easterly low pressure area from North Bay of Bengal moved inland across Orissa. Simultaneously a western disturbance with an associated upper air trough extending up to 500 Mbs moved across the extreme north of the province. These caused local to widespread rain or thundershowers in Rawalpindi and Lahore divisions on the 1st and the 2nd and also in Sargodha and Peshawar divisions on the last day of the week with heavy falls in Lahore division on both the days and in Peshawar division only on the 2nd. Scattered rain or thundershowers occurred in Peshawar and D. I. Khan divisions respectively on the last two days of the week when a few falls of light rain or drizzle were also experienced in Karachi division.

Chief amounts of rain fall recorded during the week were: Lahore 3" on the 28th; Hyderabad 4" Nawabshah 3" and Padidan 2" on the 29th; Sialkot 3" on the first and Sialkot and Kakul 2" each on the 2nd.

Day temperatures were appreciably to markedly below normal in Lahore and Sargodha divisions on the 28th and the 2nd and also in Hyderabad division on the 2nd. These were slightly below normal in Lahore, Multan, Bahawalpur and Sargodha divisions on the 27th, 29th and the 30th and to the same extent above normal in Peshawar, D. I. Khan, Quetta and Kalat divisions on most of the days between 29th and the 2nd.

2 CHITTAGONG DIVISION :	Rainfall was widespread and fairly widespread on one day each and local on four days.
DACCA DIVISION :	Fairly widespread and scattered rain fell on three days each.
KHULNA DIVISION :	Widespread rain fell on two days and fairly widespread, local and scattered on one day each.
RAJSHAHI DIVISION :	Fairly widespread rain fell on three days and local and scattered on one day each.
KASHMIR :	Data not available.
LAHORE DIVISION :	Widespread, fairly widespread and local rain fell on one day each.
RAWALPINDI DIVISION :	Local and scattered rain fell on two days each.
SARGODHA DIVISION :	Rainfall was widespread and local on one day each.
MULTAN DIVISION :	Fairly widespread rain fell on one day.
BAHAWALPUR DIVISION :	Local rain fell on two days.
PESHAWAR DIVISION :	Scattered rain fell on five days.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	Scattered rain fell on two days.
KALAT DIVISION :	Weather remained dry.
KARACHI DIVISION :	Local rain fell on two days.
HYDERABAD DIVISION :	Widespread, fairly widespread, local and scattered rain fell on one day each.
KHAIRPUR DIVISION :	Local rain fell on two days.
JUNAGADH :	Data not available.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Lahore, Bahawalpur, Multan, Karachi and Hyderabad divisions, in excess in Sargodha and Quetta divisions, normal in Khulna division, deficient in the rest of East Pakistan and scanty in Rawalpindi, Peshawar, D. I. Khan and Khairpur divisions where as no rain fell in Kalat division.

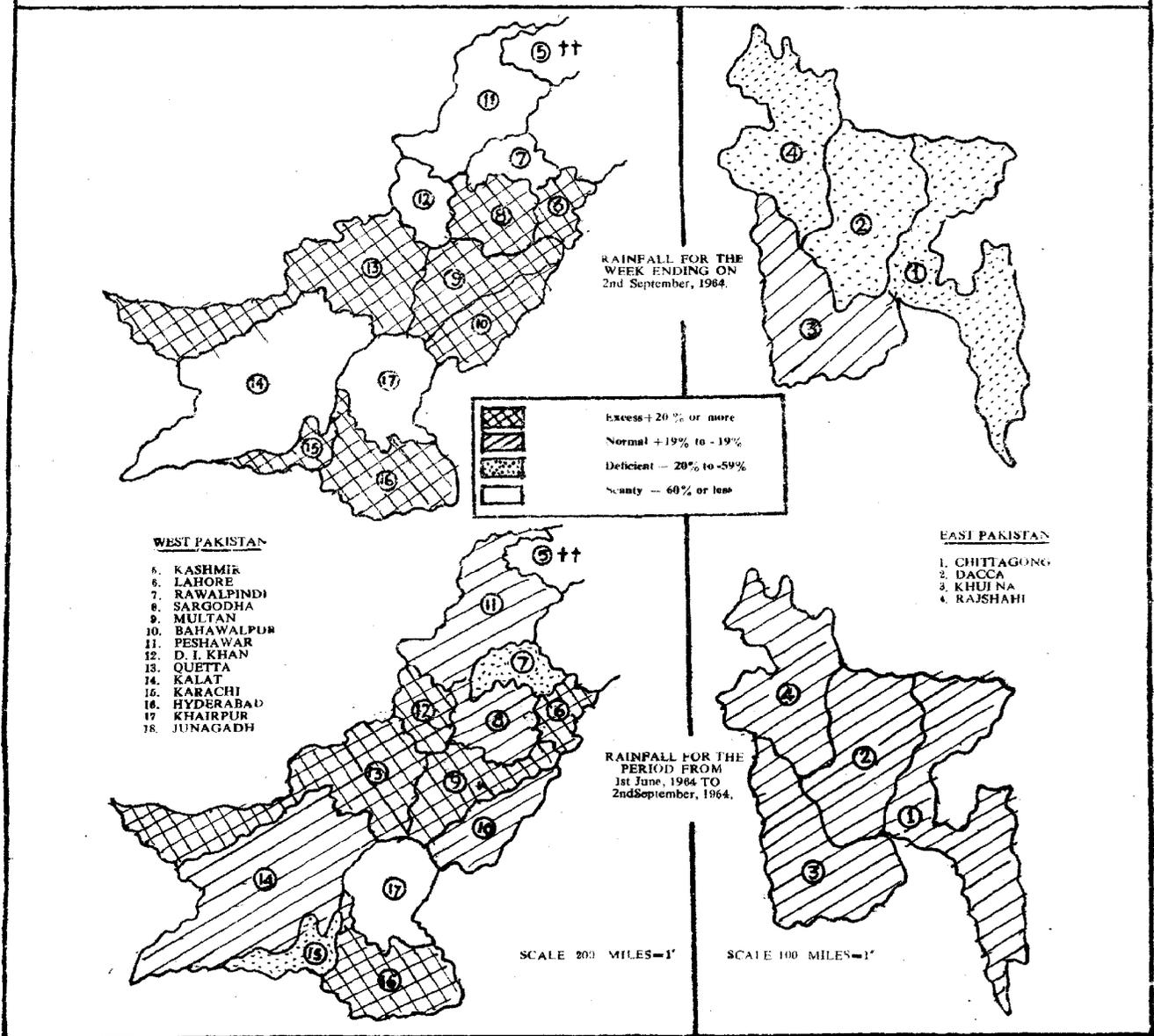
Rainfall for the period from 1st June 1964 to-date was in large excess in Lahore and Quetta divisions, in excess in Multan, D. I. Khan and Hyderabad divisions, normal in East Pakistan and in Sargodha, Bahawalpur, Peshawar and Kalat divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 2nd September 1964.			Rainfall for Period from 1st June, 1964 to 2nd September, 1964.			
	Actual	Normal	*Excess or defect	Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	1.7	3.7	- 2.1	73.2	63.8	+ 9.8	+ 15
2. Dacca	1.7	2.9	- 1.3	45.9	43.6	+ 2.3	+ 5
3. Khulna	2.8	2.6	+ 0.2	37.3	41.8	- 4.5	- 11
4. Rajshahi	1.4	3.1	- 1.7	41.8	44.5	- 2.7	- 6
5. Kashmir **	—	—	—	—	—	—	—
6. Lahore	4.8	1.3	+ 3.5	28.0	16.6	+ 11.4	+ 63
7. Rawalpindi	1.4	5.3	- 3.9	22.6	31.0	- 8.4	- 27
8. Sargodha	0.7	0.5	+ 0.2	9.4	8.5	+ 0.9	+ 10
9. Multan	0.4	0.2	+ 0.2	7.2	5.4	+ 1.8	+ 34
10. Bahawalpur	0.7	0.1	+ 0.6	4.1	4.4	- 0.4	- 9
11. Peshawar	0	0.7	- 0.7	7.2	6.9	+ 0.3	+ 5
12. D. I. Khan	0	0.2	- 0.2	6.5	4.3	+ 1.7	+ 40
13. Quetta	0.2	0.1	+ 0.1	5.2	2.6	+ 2.6	+ 100
14. Kalat	0	0	0	1.2	1.0	+ 0.2	+ 19
15. Karachi	0.4	0	+ 0.4	2.0	3.1	- 1.2	- 37
16. Hyderabad	2.8	0.4	+ 2.4	7.2	5.9	+ 1.2	+ 21
17. Khairpur	0	0	0	0.7	2.0	- 1.3	- 66
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
* Rainfall of stations having no normals is not included. ** Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 9th September 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Monsoon remained active over the province during the week except for the 7th and the 8th when an easterly low pressure area moved inland westnorthwestwards across the North Bay of Bengal. Scattered to local rain or thundershowers occurred in the province on these two days and local to widespread on the remaining five days. Heavy to very heavy rain fell at a few places in Chittagong division on the 3rd and the 6th, in Dacca division during the first two days and in Khulna and Rajshahi divisions respectively on the 5th and the 6th.

Chief amounts of rainfall recorded during the week were: Mymensingh 5"; Comilla 4" and Sylhet and Faridpur 3" each on the 3rd, Mymensingh 3" on the 4th and Jessore 3" on the 5th and Sylhet 4" and Dinajpur 3" on the 6th.

Day temperatures were appreciably below normal in the northern districts of East Pakistan during the first three days of the week and slightly so in Chittagong division on the 5th and the 6th and again in the province on the last day of the week.

WEST PAKISTAN: Last week's western disturbance over the extreme north of the province moved away eastwards during the beginning of the present week. Simultaneously the incursion of moist easterlies into the northern and central parts of the province also slackened. Rain or thundershowers were fairly widespread in Sargodha division on the 4th and scattered to local in Rawalpindi, Peshawar and Quetta divisions during the first three days of week, in Multan and Sargodha divisions respectively on the 3rd and the 5th and in D.I. Khan division only on the 4th. Light rain and a few thunderstorms were also reported on the 3rd from Karachi and Khairpur divisions respectively. Scattered rain or thundershowers again occurred in Rawalpindi and Peshawar divisions on the 8th and only in Rawalpindi division on the 9th due to the movement of a feeble western disturbance that lay over Kashmir on the last day of the week.

The noteworthy amounts of rainfall recorded during the week was Khushab 2" on the 4th.

Day temperatures were markedly to considerably below normal in Multan, D.I. Khan and Sargodha divisions on the 3rd and slightly to appreciably so elsewhere in the province the same day and in most of the northern areas during the next three days. These became slightly above normal in Peshawar, D.I. Khan, Quetta and Kalat divisions on the last two days of the week.

2. CHITTAGONG DIVISION :	Rainfall was widespread on one day and fairly widespread and local on three days each.
DACCA DIVISION :	Widespread, fairly widespread and scattered rain fell on two days each and local on one day.
KHULNA DIVISION :	Widespread, rain fell on one day and fairly widespread and local on three days each.
RAJSHAHI DIVISION :	Rain fall was widespread and scattered on one day each, fairly widespread on two days and local on three days.
KASHMIR :	Data not available.
LAHORE DIVISION :	No rain fell during week.
RAWALPINDI DIVISION :	Local rain fell on one day and scattered on four days.
SARGODHA DIVISION :	Rainfall was fairly widespread on one day and local on another day.
MULTAN DIVISION :	Scattered rain fell on one day.
BAHAWALPUR DIVISION :	No rain fell during the week.
PESHAWAR DIVISION :	Scattered rain fell on two days.
D. I. KHAN DIVISION :	Rainfall was local on one day.
QUETTA DIVISION :	Scattered rain fell on three days.
KALAT DIVISION :	} Weather remained mainly dry during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Dacca, Sargodha and Quetta divisions, in excess in Rajshahi and D.I. Khan divisions, normal in Chittagong and Khulna divisions, deficient in Multan division and scanty in Rawalpindi and Peshawar divisions whereas no rain fell elsewhere in West Pakistan.

Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Lahore, Multan and D.I. Khan divisions, normal in East Pakistan and in Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarizes the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

Karachi—11

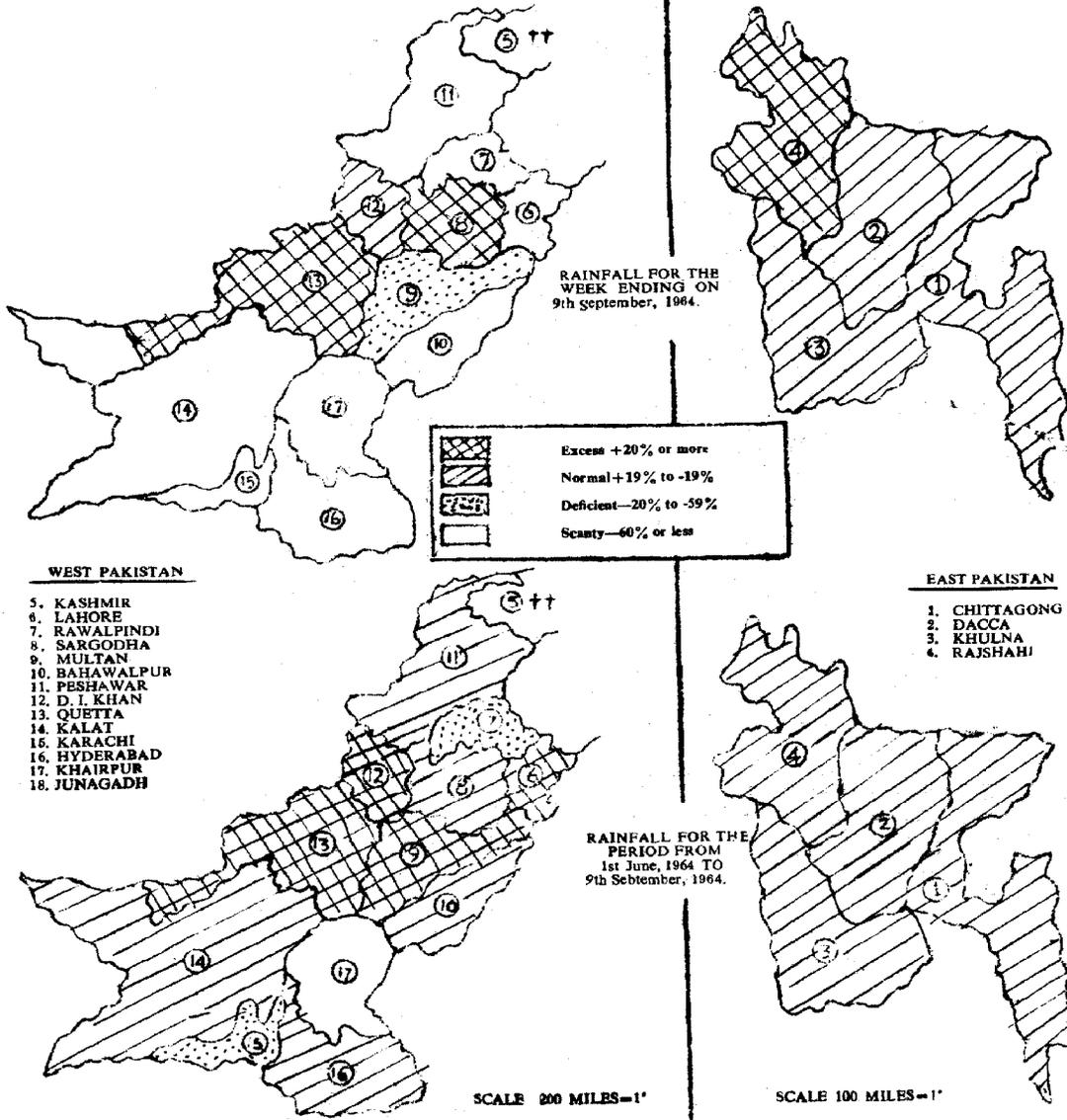
The 9th September, 1964.

K. U. SIDDIQI
for Director, Meteorological Service.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 9th September, 1964.			Rainfall for Period from 1st June, 1964 to 26th August, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per—Cent
1. Chittagong	4.1	3.6	+ 0.5	77.3	67.4	+ 9.9	+ 15
2. Dacca	6.7	2.8	+ 3.9	52.6	46.4	+ 6.2	+ 13
3. Khulna	2.3	2.2	+ 0.1	39.7	44.0	— 0.4	— 1
4. Rajshahi	4.6	3.0	+ 1.5	46.4	47.6	— 1.2	— 3
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	1.0	— 1.0	28.0	17.5	+10.4	+ 59
7. Rawalpindi	0.5	1.4	— 0.9	23.1	32.3	— 9.3	— 29
8. Sargodha	1.1	0.5	+ 0.6	10.5	9.0	+ 1.4	+ 16
9. Multan	0.1	0.2	— 0.1	7.3	5.5	+ 1.7	+ 31
10. Bahawalpur	0	0.1	— 0.1	4.1	4.5	— 0.5	— 10
11. Peshawar	0.1	0.5	— 0.4	7.3	7.4	— 0.1	— 1
12. D. I. Khan	0.3	0.2	+ 0.1	6.3	4.4	+ 1.8	+ 39
13. Quetta	0.2	0.1	+ 0.1	5.3	2.7	+ 2.6	+ 97
14. Kalat	0	0	0	1.2	1.1	+ 0.2	+ 18
15. Karachi	0	0.1	— 0.1	2.0	3.2	— 1.3	— 40
16. Hyderabad	0	0.3	— 0.3	7.2	6.2	+ 0.9	+ 15
17. Khairpur	0	0.1	— 0.1	0.7	2.1	— 1.5	— 69
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 16th September, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Monsoon remained generally weak over the province due to the movement of an easterly low pressure area across the central Bay of Bengal. Scattered to local rain or thundershowers occurred in the province on the 10th, in Dacca and Chittagong divisions between the 11th and the 15th and only in Rajshahi division on the 13th. Rainfall activity increased in the province on the last day of the week as the easterly low pressure area moved inland across Coromandal-Circars coasts. As a consequence local to fairly widespread rain or thundershowers occurred in the province on the last day of the week.

Chief amounts of rainfall recorded during the week were: Majdee Court 2" on the 11th and Narayanganj on the 16th. Day temperatures were slightly above normal in most of the province between the 12th and the 14th and on the last day of the week and only in Dacca and Khulna divisions on the 11th.

WEST PAKISTAN: Last week's western disturbance over Kashmir moved away eastwards after causing scattered to local rain or thundershowers in Rawalpindi and Peshawar divisions on the 10th and a few falls of light rain in Lahore, Rawalpindi and D.I. Khan divisions the next day. Another western disturbance that followed its passage towards the end of the week caused scattered rain or thundershowers in Rawalpindi and Peshawar divisions during the last two days of the week and in D.I. Khan division on the 14th. A few thunderstorms were also reported from Peshawar, Rawalpindi and Lahore division respectively on the 11th, 13th and the 14th.

Chief amounts of rainfall recorded during the week were: Murree 3" on the 15th and Kakul 2" on the 16th. Day temperatures were slightly above normal in Quetta, Peshawar and Rawalpindi divisions on the 10th and again during the last five days of the week and only in Karachi division on the 11th. These were to the same extent below normal in Khairpur and Bahawalpur divisions during the first two days of the week.

2 CHITTAGONG DIVISION :	Rainfall was fairly widespread on one day and local and scattered on three days each.
DACCA DIVISION :	Widespread and local rain fell on one day each and scattered on four days.
KHULNA DIVISION :	Rainfall was local on two days.
RAJSHAH DIVISION :	Local rain fell on two days and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained mainly dry during the week.
RAWALPINDI DIVISION :	Scattered rain fell on three days.
SARGODHA DIVISION :	} No rain fell during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Local rain fell on one day and scattered on two days.
D. I. KHAN DIVISION :	Rainfall was scattered on one day.
QUETTA DIVISION :	} No rain fell during the week.
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	} Data not available.
JUNAGADH :	

3. Based on the data of stations having normals, the week's rainfall was in large excess in Rawalpindi division, deficient in Dacca division and scanty in Chittagong, Khulna, Rajshahi, Lahore, D.I. Khan and Peshawar divisions whereas no rain fell elsewhere in West Pakistan.

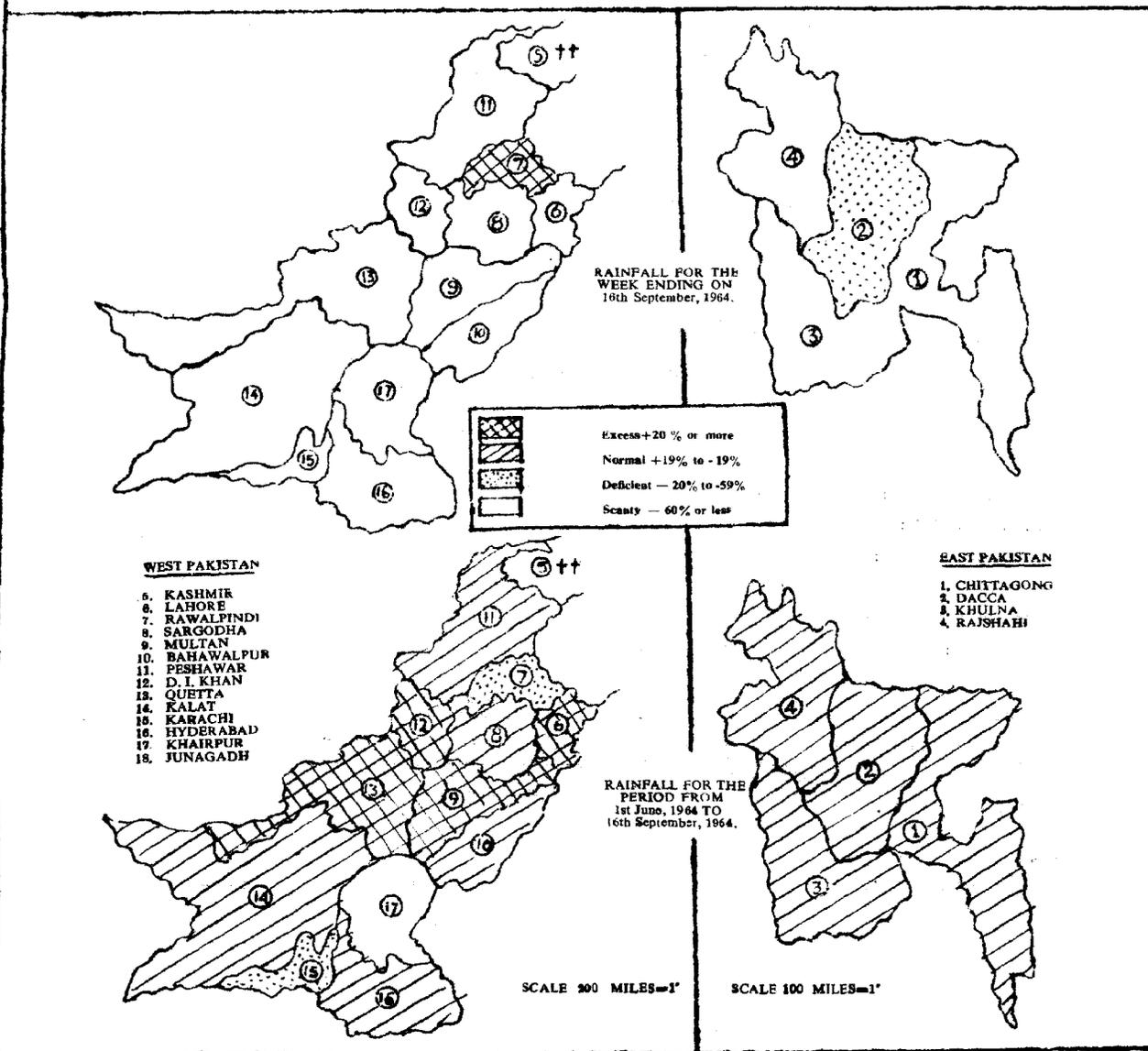
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Lahore, Multan and D.I. Khan divisions, normal in East Pakistan and in Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 16th September 1964.			Rainfall for Period from 1st June, 1964 to 16th September, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.9	2.5	- 1.6	78.3	69.9	+ 8.4	+ 12
2. Dacca	1.9	2.7	- 0.8	54.5	49.1	+ 5.4	+ 11
3. Khulna	0.3	1.9	- 1.6	39.9	45.9	- 5.9	- 13
4. Rajshahi	0.5	2.8	- 2.3	46.9	50.4	- 3.5	- 7
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.7	- 0.7	28.0	18.3	+ 9.7	+ 53
7. Rawalpindi	2.8	1.3	+ 1.6	25.9	33.6	- 7.7	- 23
8. Sargodha	0	0.3	- 0.3	10.5	9.3	+ 1.1	+ 12
9. Multan	0	0.3	- 0.3	7.3	5.8	+ 1.5	+ 27
10. Bahawalpur	0	0.1	- 0.1	4.1	4.6	- 0.5	- 10
11. Peshawar	0	0.4	- 0.4	7.3	7.8	- 0.5	- 6
12. D. I. Khan	0	0.2	- 0.2	6.3	4.7	+ 1.5	+ 32
13. Quetta	0	0.1	- 0.1	5.3	2.7	+ 2.5	+ 92
14. Kalat	0	0	0	1.2	1.1	+ 0.2	+ 17
15. Karachi	0	0.1	- 0.1	2.0	3.3	- 1.4	- 41
16. Hyderabad	0	0.3	- 0.3	7.2	6.5	+ 0.7	+ 10
17. Khairpur	0	0	0	0.7	2.2	- 1.5	- 70
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 23rd September 1964.

—o:O:—

SUMMARY OF WEATHER

EAST PAKISTAN: An easterly low pressure area entered the east central and adjoining North Bay of Bengal on the 20th. This gradually shifted to the North Bay of Bengal by the last day of the week when it concentrated into a depression centred at 0300 hours GMT near latitude 20°N and longitude 88E°. Rain or thundershowers were fairly widespread in Chittagong division on the 20th, in Dacca division on the 19th, 22nd and the 23rd, in Khulna division on the 19th, 21st and the 23rd and in Rajshahi division on the 17th. These were otherwise scattered to local in the province during the week except for dry weather in Khulna division on the 22nd. Isolated heavy to very heavy rain fell in Chittagong division on the 19th and the 20th.

Chief amounts of rainfall during the week were: Majdee Court 4" on the 19th and Rangamati 3" on the 20th. Day temperatures were slightly above normal in Khulna division on the 18th and the 19th and in Rajshahi division on the 21st. These were to the same extent below normal in Rajshahi and Dacca divisions on the 19th.

WEST PAKISTAN: Last week's western disturbance over the northern areas of the province and Kashmir moved away eastwards after causing local rain or thundershowers in Rawalpindi and Peshawar divisions during the first two days of the week. Another western disturbance approached these areas thereafter. It caused fairly widespread rain or thundershowers in Rawalpindi and Sargodha divisions on the 20th and scattered to local thunderstorms or showers in Peshawar and D.I. Khan divisions the same day and in Lahore, Sargodha, Multan and Peshawar divisions the next day. While moving away northeastwards it caused scattered thunderstorms or showers in Rawalpindi and Khairpur divisions on the 21st and a few thunderstorms in Multan and Peshawar divisions on the 22nd. A few falls of light rain or drizzle were also experienced in Rawalpindi division on the 20th. Another western disturbance moving north of the province caused on the last day of the week local thunderstorms or shower in Rawalpindi and Peshawar divisions and a few falls of light rain in D.I. Khan division.

Chief amounts of rainfall recorded during the week were: Muree 1½" on the 17th; Islamabad 1½" and Rawalpindi 1" on the 18th and Sargodha 1½" on the 19th.

Day temperatures were appreciably below normal in Lahore, Sargodha, Multan, Peshawar, D. I. Khan and Quetta divisions on the 20th and the 21st and slightly so in Lahore, Quetta and Sargodha divisions on the 19th, 22nd and the 23rd. These were slightly above normal in Peshawar division on the 21st and in Hyderabad division on the 18th and the 19th.

2. CHITTAGONG DIVISION :	Rainfall was fairly widespread on one day and local and scattered on three days each.
DACCA DIVISION :	Rainfall was fairly widespread and scattered on one day each and local on three days.
KHULNA DIVISION :	Fairly widespread, local and scattered rain fell on one day each.
RAJSHAHI DIVISION :	Local rain fell on six days and scattered on one day each.
KASHMIR :	Data not available.
LAHORE DIVISION :	Rainfall was local on one day.
RAWALPINDI DIVISION :	Fairly widespread rain fell on one day and local and scattered on two days each.
SARGODHA DIVISION :	Widespread Rain fell on one day.
MULTAN DIVISION :	Rain fell was local on one day.
BAHAWALPUR DIVISION :	No rain fell during the week.
PESHAWAR DIVISION :	Rain fall was local and scattered on two days each.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	} No rain fell during the week.
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	Scattered rainfall on one day.
JUNAGADH :	Data not available.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Rawalpindi and Khairpur divisions, in excess in Sargodha and Multan divisions, normal in Rajshahi and Peshawar divisions, deficient elsewhere in East Pakistan and in Lahore division and scanty in D.I. Khan division whereas no rain fell elsewhere in West Pakistan.

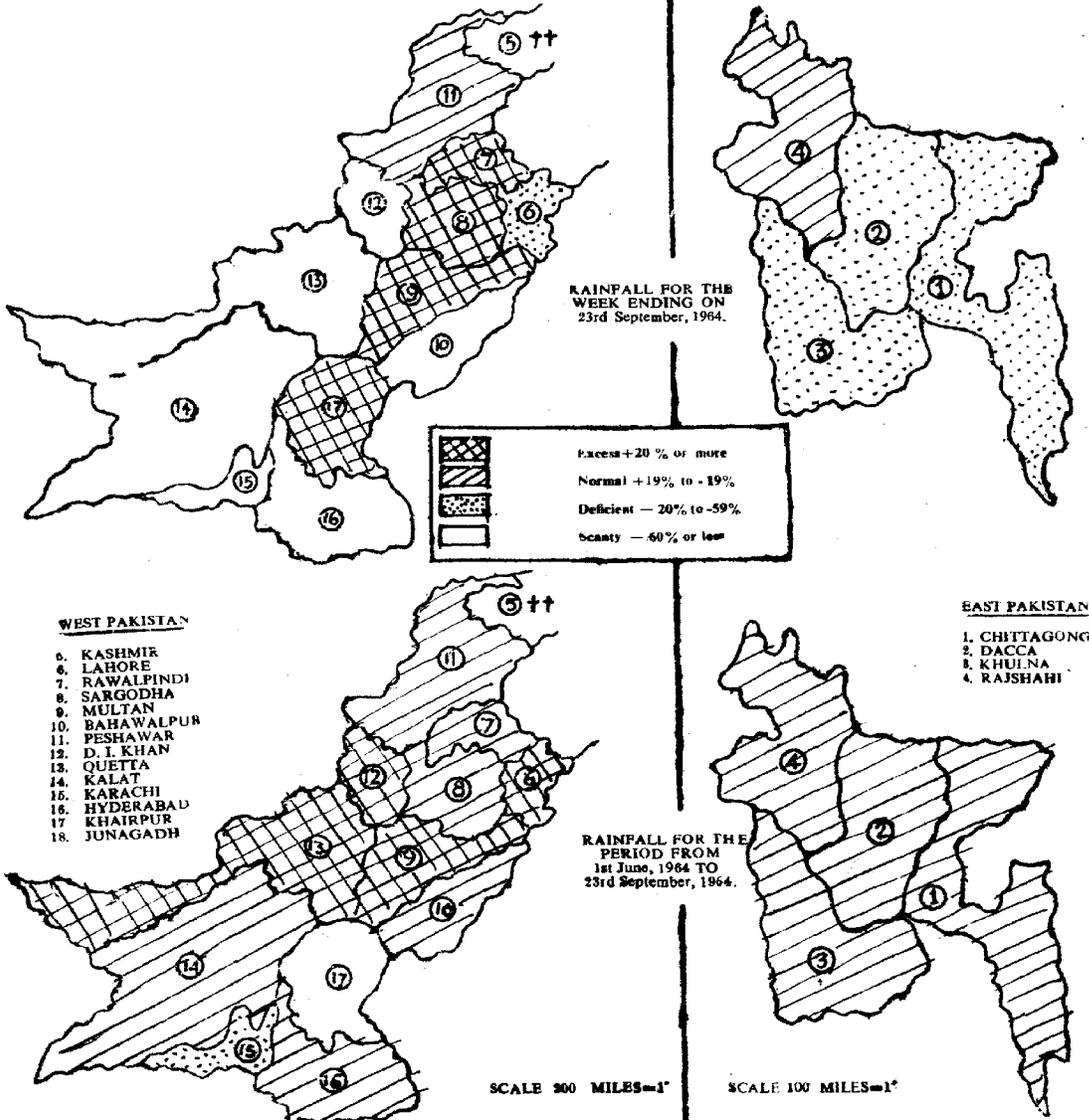
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Lahore, Multan and D.I. Khan divisions, normal in East Pakistan and in Rawalpindi, Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Karachi division and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 23rd September 1964.			Rainfall for Period from 1st June, 1964 to 23rd September, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	2.2	2.8	- 0.6	80.5	72.7	+ 7.8	+ 11
2. Dacca	1.9	2.7	- 0.8	56.4	51.8	+ 4.6	+ 9
3. Khulna	1.5	2.2	- 0.6	41.5	48.1	- 6.6	- 14
4. Rajshab	2.3	2.8	- 0.5	49.2	53.3	- 4.1	- 8
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.3	0.5	- 0.2	28.3	18.8	+ 9.5	+ 50
7. Rawalpindi	2.2	0.9	+ 1.3	28.1	34.5	- 6.4	- 19
8. Sargodha	0.3	0.3	+ 0.1	10.8	9.6	+ 1.2	+ 13
9. Multan	0.4	0.3	+ 0.1	7.7	6.1	+ 1.6	+ 26
10. Bahawalpur	0	0	0	4.1	4.6	- 0.5	- 11
11. Peshawar	0.3	0.2	0	7.6	8.0	- 0.4	- 5
12. D. I. Khan	0.1	0.2	- 0.2	6.3	5.0	+ 1.4	+ 28
13. Quetta	0	0	0	5.3	2.8	+ 2.5	+ 90
14. Kalat	0	0	0	1.2	1.1	+ 0.2	+ 15
15. Karachi	0	0	0	2.0	3.4	- 1.4	- 42
16. Hyderabad	0	0.1	- 0.1	7.2	6.6	+ 0.6	+ 9
17. Khairpur	0.2	0.1	+ 0.2	0.9	2.2	- 1.3	- 60
18. Junagadh	—	—	—	—	—	—	—

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 † Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 30th September, 1964.

—o:O:—

SUMMARY OF WEATHER

EAST PAKISTAN: Last week's depression in the North Bay of Bengal moved westnorthwestwards, crossed coast and was centred about 50 miles east of Jharsuguda at 0300 hours GMT on the first day of this week.

Continuing to move in the same direction it weakened into a low over east Punjab (India) by the 26th.

Thereafter, a well marked low moved into the north Andaman Sea and concentrated into a depression on the 27th when it was centred at 0300 hours GMT near latitude $16\frac{1}{2}^{\circ}$ N and longitude 91° E. Moving in a westerly direction, the depression crossed coast on the 28th night near Kakinada and continuing the westwards movement was centred near Bidar on the morning of the last day of the week.

Under their influence generally local rain or thundershower occurred in the province during the first two days of the week and again on the 28th and the 30th with isolated very heavy falls in Chittagong division on the 28th. Scattered to local rain or thundershowers also occurred in Chittagong division during the rest of the week, in Khulna division on the 26th and the 29th and a few thunderstorms in Rajshahi division on the 29th.

Chief amounts of rainfall recorded during the week were: Comilla 7" and Dacca 3" on the 28th.

Day temperatures were slightly above normal in the province during the last five days of the week and only in Chittagong and Dacca divisions on the 24th.

WEST PAKISTAN: Last week's western disturbance, while moving away northeastwards across the north of the province caused fairly widespread rain or thundershowers in Sargodha division and scattered in Peshawar division on the 24th. A few duststorms or thunderstorms were also reported from Lahore, Rawalpindi, Bahawalpur and Quetta divisions the same day. Another western disturbance that moved during the middle of the week caused scattered to local rain or thundershowers in Rawalpindi, Sargodha, Peshawar and Quetta divisions on the 27th. Scattered light rain fell in D.I. Khan division on this day and in Peshawar, Quetta and Karachi divisions the next day. A few thunderstorms also developed in its wake in Rawalpindi and Peshawar divisions on the 29th.

Chief amounts of rainfall recorded during the week were: Drosh $1\frac{1}{2}$ " on the 24th and Peshawar 1" and Khushab $3\frac{3}{4}$ " on the 27th.

Day temperatures were markedly to considerably below normal in Lahore division on the 27th and appreciably to markedly so elsewhere in the northern and central parts of the province the same day. These were generally appreciably below normal in the province outside the coastal areas on the 24th and the 29th, excluding Peshawar division on the 26th and in most of the northern division on the 28th. These were slightly above normal in Hyderabad and Karachi divisions on the 30th and to the same extent below normal in Peshawar, D.I. Khan, Quetta, Bahawalpur and Multan divisions on the 25th.

2 CHITTAGONG DIVISION :	Rainfall was local on four days and scattered on three days.
DACCA DIVISION :	Widespread rain fell on one day and scattered on three days.
KHULNA DIVISION :	Fairly widespread rain fell on one day local on two days and scattered on three days.
RAJSHAHI DIVISION :	Rain fall was Local on four days.
KASHMIR :	Data not available.
LAHORE DIVISION :	No rain fell during the week.
RAWALPINDI DIVISION :	Scattered rain fell on one day.
SARGODHA DIVISION :	Fairly widespread and scattered rain fell on one day each.
MULTAN DIVISION :	} No rainfall during the week.
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Rain fall was local on one day and scattered on another day.
D. I. KHAN DIVISION :	Weather remained mainly dry during the week.
QUETTA DIVISION :	scattered rain fell on one day.
KALAT DIVISION :	} No rain fell during the week.
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on the data of stations having normals, the week's rainfall was in large excess in Sargodha and Peshawar divisions, normal in Chittagong and Dacca divisions, deficient in Khulna and Rajshahi divisions and scanty in Rawalpindi and Quetta divisions where as no rain fell elsewhere in West Pakistan.

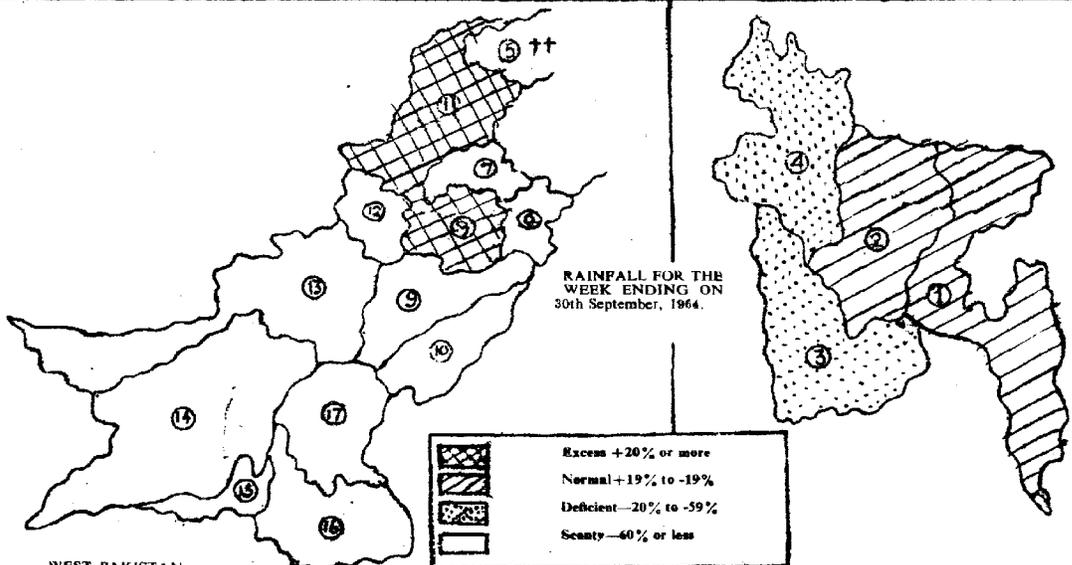
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess Lahore, Multan and D. I. Khan divisions, normal in East Pakistan and in Sargodha, Bahawalpur, Peshawar Kalat and Hyderabad divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for week and for the period from 1st June 1964 to-date.

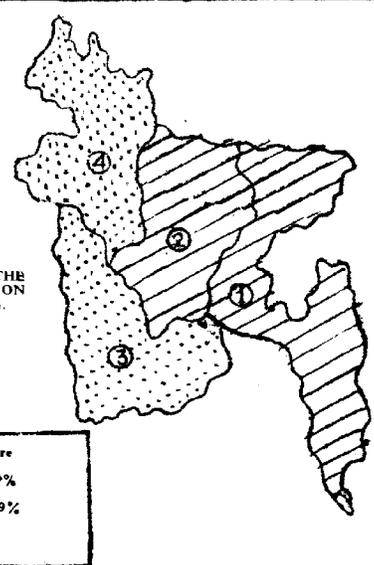
WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 30th September, 1964.			Rainfall for Period from 1st June, 1964 to 30th September, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	2.4	2.5	- 0.1	82.9	75.3	+ 7.7	+ 10
2. Dacca	2.2	2.0	+ 0.1	51.6	53.9	+ 4.7	+ 9
3. Khulna	1.3	1.9	- 0.6	42.8	49.9	- 7.2	- 14
4. Rajshahi	0.9	1.9	- 0.9	50.1	55.1	- 5.0	- 9
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0.2	- 0.2	28.3	19.0	+ 9.3	+ 49
7. Rawalpindi	0.1	3.7	- 0.5	28.2	35.1	- 6.9	- 20
8. Sargodha	0.5	0.1	+ 0.3	11.3	9.7	+ 1.6	+ 16
9. Multan	0	0.1	- 0.1	7.7	6.2	+ 1.5	+ 23
10. Bahawalpur	0	0	+ 0.5	4.1	4.6	- 0.5	- 11
11. Peshawar	0.7	0.2	- 0.1	8.3	8.2	+ 0.1	+ 1
12. D. I. Khan	0	0.1	0	6.3	5.1	+ 1.3	+ 25
13. Quetta	0	0	0	5.3	2.8	+ 2.5	+ 87
14. Kalat	0	0	0	1.2	1.1	+ 0.1	+ 14
15. Karachi	0	0	0	2.0	3.4	- 1.4	- 43
16. Hyderabad	0	0	0	7.2	6.6	+ 0.6	+ 9
17. Khairpur	0	0	0	0.9	2.3	- 1.4	- 60
18. Junagadh ††	—	—	—	—	—	—	—

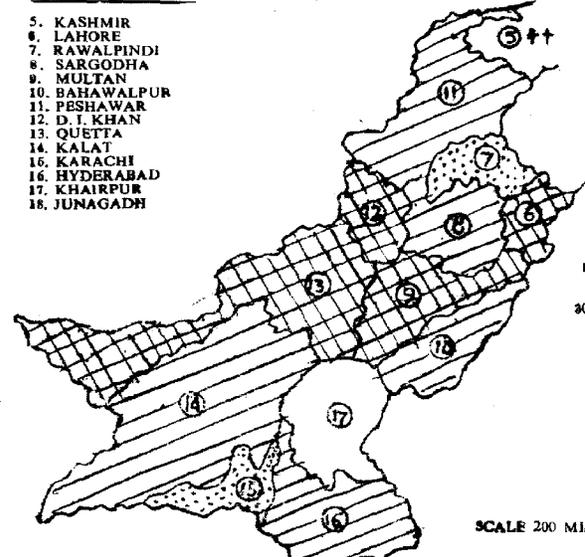
*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. †† Data not available.



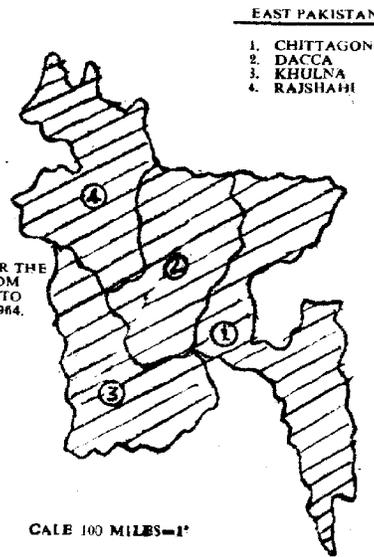
- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH



- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI



SCALE 200 MILES=1"



SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 7th October 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Last week's low over Deccan Plateau became unimportant during the beginning of the present week. An easterly low pressure area moved into the North Andaman Sea on the second day of the week. Moving northnorthwestwards it became well marked and finally concentrated into a depression on the morning of the 4th with its centre at 0300 hours GMT near latitude 20°N and longitude 90½°E. Continuing to move in the same direction, it intensified further during the night and lay as a deep depression with its centre at 0300 hours GMT on the 5th about 30 miles southwest of Patakhali. It moved in a northerly direction, weakened and lay as a shallow depression on the morning of the 6th with centre near Faridpur. On the last day of the week the shallow depression was centred about 20 miles south of Bogra. Under its influence widespread rain or thundershowers with locally heavy to very heavy falls occurred in the province during the last three days of the week and only in Chittagong and Dacca divisions on the 4th. Torrential rainfall of the order of 6" to 9" were recorded at several stations during the last two days of the week.

Scattered to local rain or thundershowers also occurred in the province on the 1st, in most of the province on the 2nd in Khulna division on the 3rd and the 4th.

Chief amounts of rainfall recorded during the week were: Pabna 8", Comilla 7" and Jessore 6" on the 6th and Bogra 9" and Mymensingh 8" on the 7th.

Day temperatures were appreciably to markedly below normal in the province during the last two days of the week and slightly so on the 4th. These were slightly above normal in the province on the 3rd and in Khulna and Rajshahi divisions during the first two days of the week.

WEST PAKISTAN: Weather remained dry during the week.

Day temperatures were slightly to appreciably above normal in Rawalpindi; Peshawar, D.I. Khan, Multan, Quetta and Kalat divisions on the last day of the week and on the 3rd, only in Peshawar and Rawalpindi divisions on the 5th and the 6th. These were otherwise slightly above normal in Peshawar, Hyderabad, Kalat and Quetta divisions during the first two days of the week.

2. CHITTAGONG DIVISION :

Widespread, fairly widespread and local rain fell on two days each.

DACCA DIVISION :

Rainfall was widespread on three days, fairly widespread on one day and scattered on two days

KHULNA DIVISION :

Rainfall was widespread and fairly widespread on two days each and scattered on one day.

RAJSHAHI DIVISION :

Widespread rain fell on three days and local on one day.

KASHMIR :

Data not available.

LAHORE DIVISION :

RAWALPINDI DIVISION :

SARGODHA DIVISION :

MULTAN DIVISION :

BAHAWALPUR DIVISION :

PESHAWAR DIVISION :

D. I. KHAN DIVISION :

QUETTA DIVISION :

KALAT DIVISION :

KARACHI DIVISION :

HYDERABAD DIVISION :

KHAIRPUR DIVISION :

JUNAGADH :

Data not available.

Weather remained dry during the week.

3. Based on the data of stations having normals, the week's rainfall was in large excess in East Pakistan whereas no rain fell in West Pakistan.

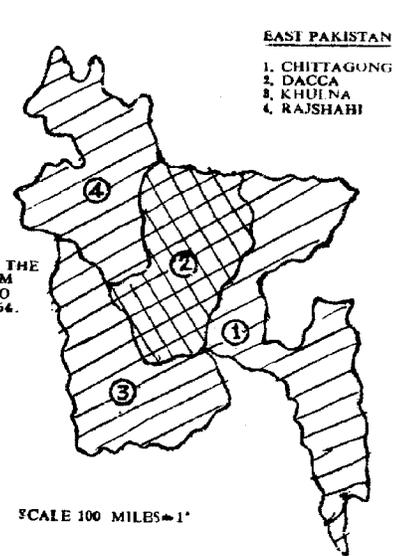
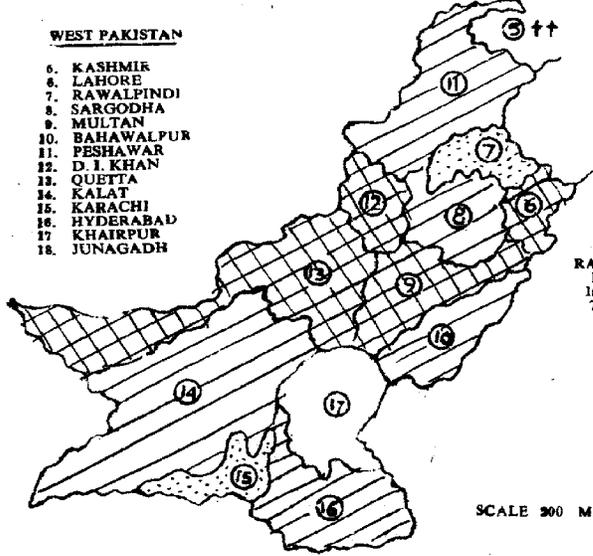
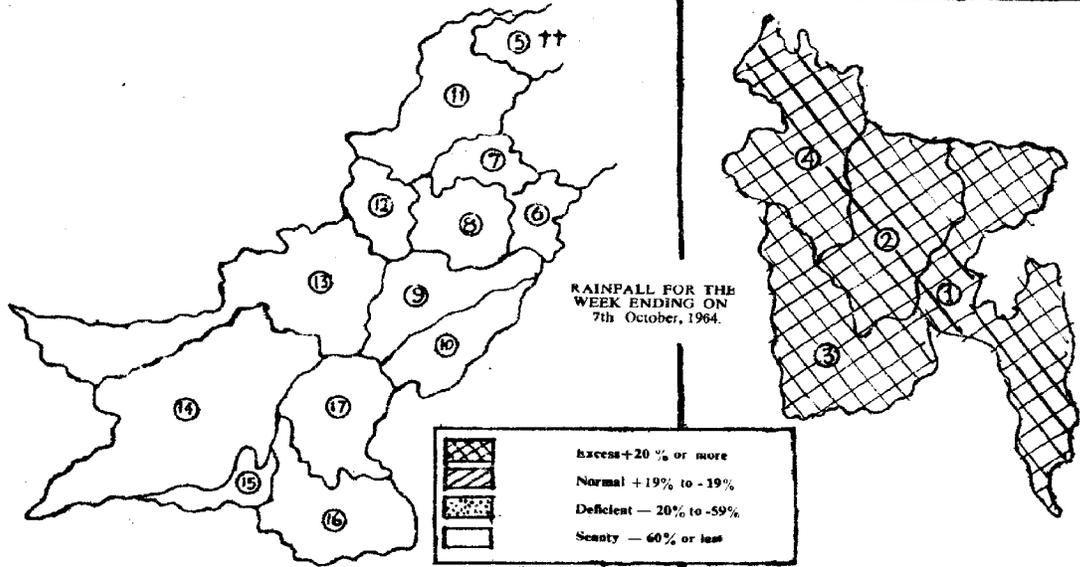
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta divisions, in excess in Dacca, Lahore, Multan and D.I. Khan divisions, normal elsewhere in East Pakistan and in Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 7th October 1964.			Rainfall for Period from 1st June, 1964 to 7th October, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	8.7	2.1	+ 6.7	91.7	77.3	+14.3	+ 19
2. Dacca	7.7	1.4	+ 6.2	66.3	55.3	+11.0	+ 20
3. Khulna	6.4	1.3	+ 5.1	49.1	51.2	- 2.1	- 4
4. Rajshahi	6.0	1.4	+ 4.7	56.2	56.5	- 0.3	- 1
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.1	- 0.1	28.3	19.2	+ 9.2	+ 48
7. Rawalpindi	0	0.4	- 0.4	28.2	35.5	- 7.4	- 21
8. Sargodha	0	0.1	- 0.1	11.3	9.8	+ 1.5	+ 15
9. Multan	0	0	0	7.7	6.3	+ 1.4	+ 23
10. Bahawalpur	0	0	0	4.1	4.6	- 0.5	- 11
11. Peshawar	0	0.1	- 0.1	8.3	8.3	0	0
12. D. I. Khan	0	0	0	6.3	5.1	+ 1.2	+ 24
13. Quetta	0	0	0	5.3	2.8	+ 2.4	+ 86
14. Kalat	0	0	0	1.2	1.1	+ 0.1	+ 14
15. Karachi	0	0	0	2.0	3.4	- 1.4	- 43
16. Hyderabad	0	0	0	7.2	6.6	+ 0.6	+ 9
17. Khairpur	0	0	0	0.9	2.5	- 1.4	- 60
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 14th October, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Last week's shallow depression over Rajshahi division moved northwestwards, weakened and lay as a well marked low over the northern parts of West Bengal and Bihar on the first day of the week. It caused mainly local rain or thundershowers in the province with a few heavy falls in Rajshahi division on the 8th. After remaining practically stationary for two days, it moved away slowly northeastwards across Assam and caused thunderstorms or showers locally or at a few places in Chittagong, Khulna and Rajshahi divisions between the 9th and the 12th and only in Chittagong division on the 13th. Thereafter, monsoon started to withdraw from the province and only scattered rain fell in Rajshahi division and a few falls of light rain in Chittagong division on the last day of the week.

Chief amounts of rainfall recorded during the week were: Dinajpur 4" and Rangpur 3" on the 8th; Paba 3" on the 10th; Dinajpur 1" on the 11th and Rangpur 1½" and Dinajpur 1" on the 12th.

Day temperatures were slightly to appreciably below normal in the province on the 8th, in Rajshahi division on the 12th and in Chittagong division on the 13th and were slightly above normal in Dacca division on the 10th.

WEST PAKISTAN: Two westerly low pressure waves moved across the extreme north of West Pakistan during the last five days of the week. These caused scattered to local thunderstorms or showers in Peshawar division between the 10th and the 14th and only in Rawalpindi division on the 14th.

Of the chief amounts Chakdara recorded 3/4" of rain on the 11th; Parachinar 1" and Cherat 1/2" on the 13th and Drosh 3/4" on the 14th.

Day temperatures were slightly above normal in Rawalpindi, Quetta and Peshawar divisions between the 8th and the 10th and slightly below normal in Kalat, Khairpur and Hyderabad divisions on the 11th and the 12th and in the province outside the northern divisions on the 13th and outside Hyderabad and Khairpur divisions on the last day of the week.

CHITTAGONG DIVISION :	Rainfall was local on three days and scattered on two days.
DACCA DIVISION :	Scattered rain fell on one day.
KHULNA DIVISION :	Local and scattered rain fell on two days each.
RAJSHAHI DIVISION :	Rainfall was local on four days and scattered on one day.
KASHMIR :	Data not available.
LAHORE DIVISION :	Weather remained dry during the week.
RAWALPINDI DIVISION :	Weather remained mainly dry.
SARGODHA DIVISION :	} Weather remained mainly dry during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Local rain fell on one day and scattered on two days.
D. I. KHAN DIVISION :	} Weather remained dry during the week.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on the data of stations having normals, the weeks rainfall was in large excess in Rajshahi and Peshawar divisions, deficient in Khulna division and scanty in Chittagong and Dacca divisions whereas no rain fell elsewhere in West Pakistan.

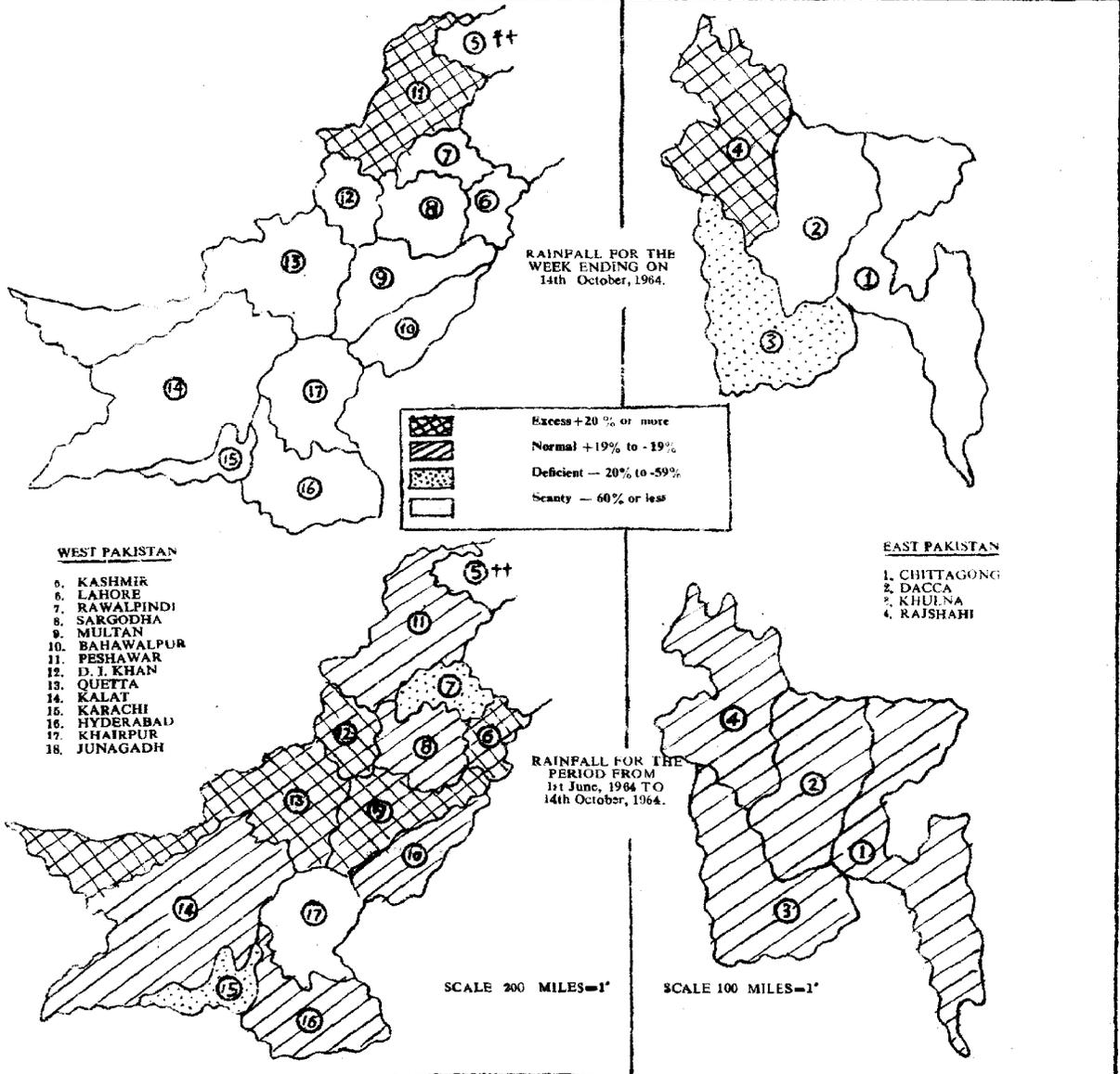
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Lahore, Multan and D.I. Khan divisions, normal in East Pakistan and in Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on on 14th October, 1964.			Rainfall for Period from 1st June, 1964 to 14th October, 1964.			
	↑ Actual	Normal	*Excess or defect	↑ Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.5	1.6	- 1.1	92.2	78.9	+ 13.2	+ 17
2. Dacca	0.1	1.5	- 1.4	66.3	56.7	+ 9.6	+ 17
3. Khulna	0.7	1.3	- 0.6	49.8	52.5	- 2.6	- 5
4. Rajshahi	2.9	1.5	+ 1.5	59.1	58.0	+ 1.1	+ 2
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.1	- 0.1	28.3	19.2	+ 9.1	+ 47
7. Rawalpindi	0	0.3	- 0.3	28.2	35.1	- 7.6	- 21
8. Sargodha	0	0	0	11.3	9.8	+ 1.5	+ 15
9. Multan	0	0	0	7.7	6.3	+ 1.4	+ 23
10. Bahawalpur	0	0	0	4.1	4.6	- 0.5	- 11
11. Peshawar	0.4	0.1	+ 0.3	8.7	8.4	+ 0.3	+ 4
12. D. I. Khan	0	0	0	6.3	5.1	+ 1.2	+ 23
13. Quetta	0	0	0	5.3	2.9	+ 2.4	+ 85
14. Kalat	0	0	0	1.2	1.1	+ 0.1	+ 14
15. Karachi	0	0	0	2.0	3.4	- 1.4	- 43
16. Hyderabad	0	0	0	7.2	6.6	+ 0.6	+ 9
17. Khairpur	0	0	0	0.9	2.3	- 1.4	- 60
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01.
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 21st October, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN: A depression formed in the west central Bay of Bengal on the 18th morning centred at 0300 hours GMT near latitude 17½°N and longitude 86°E. It crossed Orissa coast during the night and was centred about 80 miles south of Sambalpur the next morning. It weakened into a low by the 20th morning and lay over northeast Madhya Pradesh, Chota Nagour and adjoining areas on the last day of the week. Under its influence fairly widespread rain or thundershowers occurred in the province during the last three days and scattered to local on the 18th with locally heavy falls in Chittagong division on the 19th and the 20th. Scattered rain or thundershowers also occurred in the province on the 17th, in Chittagong, Dacca and Khulna divisions a day before and only in Dacca and Rajshahi divisions on the first day of the week.

Chief amounts of rainfall recorded during the week were: Brahmanbaria 3" on the 19th and Brahmanbaria 4" and Maijdee Court Comilla, Sylhet and Srimangal 3" each on the 20th.

Day temperatures were slightly to appreciably above normal in the province between the 16th and the 18th. These were to the same extent below normal in most of the province on the 20th in Khulna and Chittagong divisions on the 19th and in Chittagong and Dacca divisions on the last day of the week.

WEST PAKISTAN: Weather remained dry over the province during the week except for scattered rain or thundershowers which occurred in Peshawar division on the 15th in association with the passage of a westerly trough of low pressure across the extreme north. Drosh recorded 1/2" of rainfall the same day.

Day temperatures were appreciably to markedly below normal in Quetta and Kalat divisions throughout the week and slightly to appreciably so elsewhere in the province on the 19th and in most of the northern divisions on the 18th and again during the last two days of the week.

2. CHITTAGONG DIVISION :	Rainfall was widespread on three days and local and scattered on one day each.
DACCA DIVISION :	Widespread rain fell on two days, fairly widespread and local on one day each and scattered on three days.
KHULNA DIVISION :	Fairly widespread rain fell on two days, local on one day and scattered on three days.
RAJSHAHI DIVISION :	Rainfall was local on two days and scattered on three days.
KASHMIR :	Data not available.
LAHORE DIVISION :	} No rain fell during the week.
RAWALPINDI DIVISION :	
SARGODHA DIVISION :	
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	Scattered rain fell on one day.
D. I. KHAN DIVISION :	} No rain fell during the week.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	} Data not available.
JUNAGADH :	

3. Based on the data of stations having normals, the week's rain-fall was in large excess in Chittagong, Dacca and Khulna divisions and scanty in Rajshahi and Peshawar divisions. No rain fell elsewhere in West Pakistan.

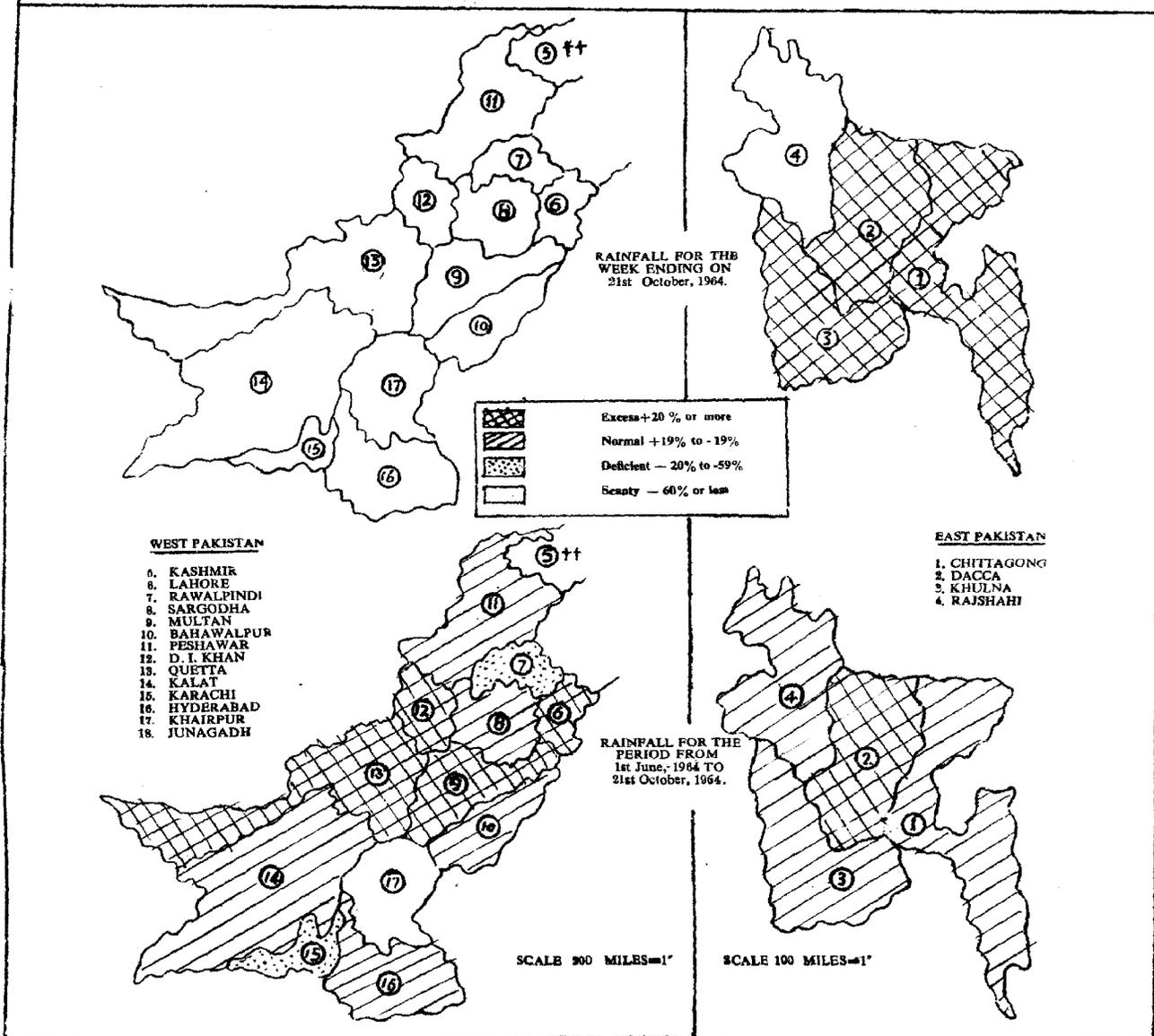
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Dacca, Lahore, Multan and D.I. Khan divisions, normal elsewhere in East Pakistan and in Sargodha, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Rawalpindi and Karachi divisions and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on on 21st October, 1964.			Rainfall for Period from 1st June, 1964 to 21st October, 1964.			
	↑Actual	Normal	*Excess or defect	↑Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	5.2	1.2	+ 4.0	97.4	80.2	+ 17.2	+ 18
2. Dacca	2.9	1.2	+ 1.7	69.3	58.0	+ 11.3	+ 20
3. Khulna	1.8	1.0	+ 0.8	51.7	53.5	- 1.8	- 3
4. Rajshahi	0.6	1.4	- 0.9	59.7	59.4	+ 0.2	0
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.1	- 0.1	28.5	19.3	+ 9.1	+ 47
7. Rawalpindi	0	0.2	- 0.2	28.2	36.0	- 7.8	- 22
8. Sargodha	0	0.1	- 0.1	11.3	9.9	+ 1.4	+ 14
9. Multan	0	0	0	7.7	6.3	+ 1.4	+ 22
10. Bahawalpur	0	0	0	4.1	4.6	- 0.5	- 12
11. Peshawar	0	0.1	- 0.1	8.7	8.5	+ 0.2	+ 2
12. D. I. Khan	0	0	0	6.3	5.1	+ 1.2	+ 23
13. Quetta	0	0	0	5.3	2.9	+ 2.4	+ 82
14. Kalat	0	0	0	1.2	1.1	+ 0.1	+ 11
15. Karachi	0	0	0	2.0	3.4	- 1.4	- 43
16. Hyderabad	0	0	0	7.2	6.6	+ 0.5	+ 8
17. Khairpur	0	0	0	0.9	2.3	- 1.4	- 60
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01.
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 28th October 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN: Last week's low over northeast Madhya Pradesh, Chota Nagpur and adjoining areas moved eastwards across the province by the 24th. It caused fairly widespread rain or thundershowers in the province during the first two days of the week and scattered to local in Chittagong, Dacca and Rajshahi divisions on the 24th. Rainfall was locally heavy in Dacca and Rajshahi divisions on the 22nd and only in Chittagong division on the 23rd. During the later half of the week, an easterly low pressure area moved north-westwards from North Andaman Sea to central Bay of Bengal and neighbourhood. It lay over Chota Nagpur and adjoining areas on the last day of the week. It caused fairly widespread rain or thundershowers in the province on the 28th and local in Chittagong and Dacca divisions a day before and in Dacca and Rajshahi divisions on the 28th.

Chief amounts of rainfall recorded during the week were : Jessore 7", Satkhira 4" and Bogra 3" on the 22nd and Srimangal 3" on the 23rd.

Night temperatures were slightly to appreciably above normal in the province during the last five days of the week and only in Chittagong division on the 23rd.

WEST PAKISTAN: Weather remained dry during the week over West Pakistan.

Night temperatures were generally appreciably to markedly below normal in Quetta and Kalat divisions and slightly to appreciably so over the rest of the province during the week.

2. CHITTAGONG DIVISION :	Rainfall was fairly widespread on one day and local on four days.
DACCA DIVISION :	Widespread, local and scattered rain fell on two days each.
KHULNA DIVISION :	Fairly widespread rain fell on three days.
RAJSHAHI DIVISION :	Rainfall was fairly widespread on two days and local on three days.
KASHMIR :	Data not available.
LAHORE DIVISION :	} No rain fell during the week.
RAWALPINDI DIVISION :	
SARGODHA DIVISION :	
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	
D. I. KHAN DIVISION :	
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	} Data not available.
KHAIRPUR DIVISION :	
JUNAGADH :	

3. Based on data of stations having normals, the week's rainfall was in large excess in East Pakistan outside Chittagong division where it was in excess. No rain fell in West Pakistan during the week.

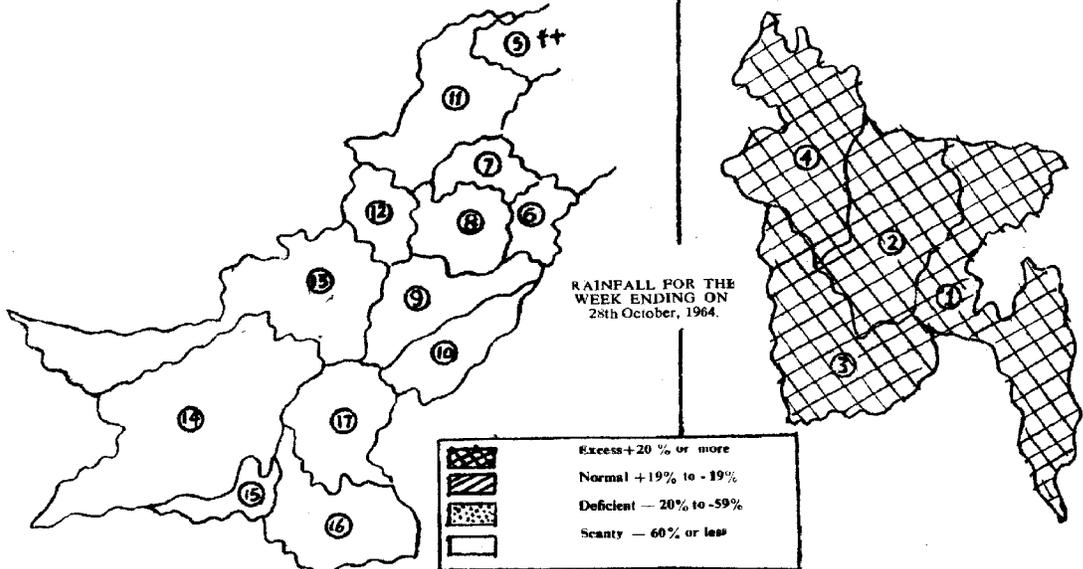
Rainfall for the period from 1st June 1964 to-date was in large excess in Quetta division, in excess in Chittagong, Dacca, Lahore, Multan and D. I. Khan divisions, normal in Rajshahi, Khulna, Sargodha, Rawalpindi, Bahawalpur, Peshawar, Kalat and Hyderabad divisions, deficient in Karachi division and scanty in Khairpur division.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st June 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 28th October, 1964			Rainfall for Period from 1st June, 1964 to 28th October, 1964			
	† Actual	Normal	* Excess or defect	† Actual	Normal	* Excess or defect	
						Inches	Per-Cent
1. Chittagong	2.0	1.6	+ 0.4	99.4	80.1	+ 19.3	+ 24
2. Dacca	2.3	1.0	+ 1.3	71.6	58.0	+ 13.6	+ 24
3. Khulna	3.5	0.9	+ 2.6	55.2	53.5	+ 1.7	+ 3
4. Rajshahi	2.6	0.7	+ 1.9	62.3	58.1	+ 4.1	+ 7
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.1	- 0.1	28.3	19.3	+ 9.1	+ 46
7. Rawalpindi	0	0.2	- 0.2	28.2	30.6	- 2.4	- 8
8. Sargodha	0	0	0	11.3	9.8	+ 1.5	+ 15
9. Multan	0	0	0	7.7	6.3	+ 1.4	+ 22
10. Bahawalpur	0	0	0	4.1	4.6	- 0.5	- 11
11. Peshawar	0	0.1	- 0.1	8.7	3.5	+ 0.2	+ 2
12. D. I. Khan	0	0	0	6.3	5.2	+ 1.2	+ 23
13. Quetta	0	0	0	5.3	2.9	+ 2.4	+ 83
14. Kalat	0	0	0	1.2	1.1	+ 0.1	+ 13
15. Karachi	0	0	0	2.0	3.4	- 1.5	- 43
16. Hyderabad	0	0	0	7.2	6.6	+ 0.5	+ 8
17. Khairpur	0	0	0	0.9	2.3	- 1.4	- 61
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEST PAKISTAN

6. KASHMIR
6. LAHORE
7. RAWALPINDI
8. SARGODHA
9. MULTAN
10. BAHAWALPUR
11. PESHAWAR
12. D. I. KHAN
13. QUETTA
14. KALAT
15. KARACHI
16. HYDERABAD
17. KHAIRPUR
18. JUNAGADH

EAST PAKISTAN

1. CHITTAGONG
2. DACCA
3. KHULNA
4. RAJSHAHI

RAINFALL FOR THE PERIOD FROM 1st June, 1964 TO 28th October, 1964.

SCALE: 300 MILES=1"

SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 11th November, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Weather remained dry over the province during the week. Night temperatures were slightly above normal in Khulna division on the 9th and the 11th and in Khulna and Rajshahi divisions on the 8th.

WEST PAKISTAN: Dry continental air continued to prevail over the province where the weather remained dry during the week. Night temperatures were markedly below normal in Quetta and Kalat divisions and slightly to appreciably so elsewhere in the province during the first two days of the week and in most of the province between the 7th and the 10th and only slightly below normal in Kalat, Hyderabad and Khairpur divisions on the last day of the week.

CHITTAGONG DIVISION :	}	No rain fell during the week.
DACCA DIVISION :		
KHULNA DIVISION :		
RAJSHAHI DIVISION :		
KASHMIR :		Data not available.
LAHORE DIVISION :	}	No rain fell during the week .
RAWALPINDI DIVISION :		
SARGODHA DIVISION :		
MULTAN DIVISION :		
BAHAWALPUR DIVISION :		
PESHAWAR DIVISION :		
D. I. KHAN DIVISION :		
QUETTA DIVISION :		
KALAT DIVISION :		
KARACHI DIVISION :		
HYDERABAD DIVISION :		
KHAIRPUR DIVISION :		
JUNAGADH :		Data not available.

3. No rain fell in the country both during the week and the period from 1st November 1964 to-date.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November 1964 to-date.

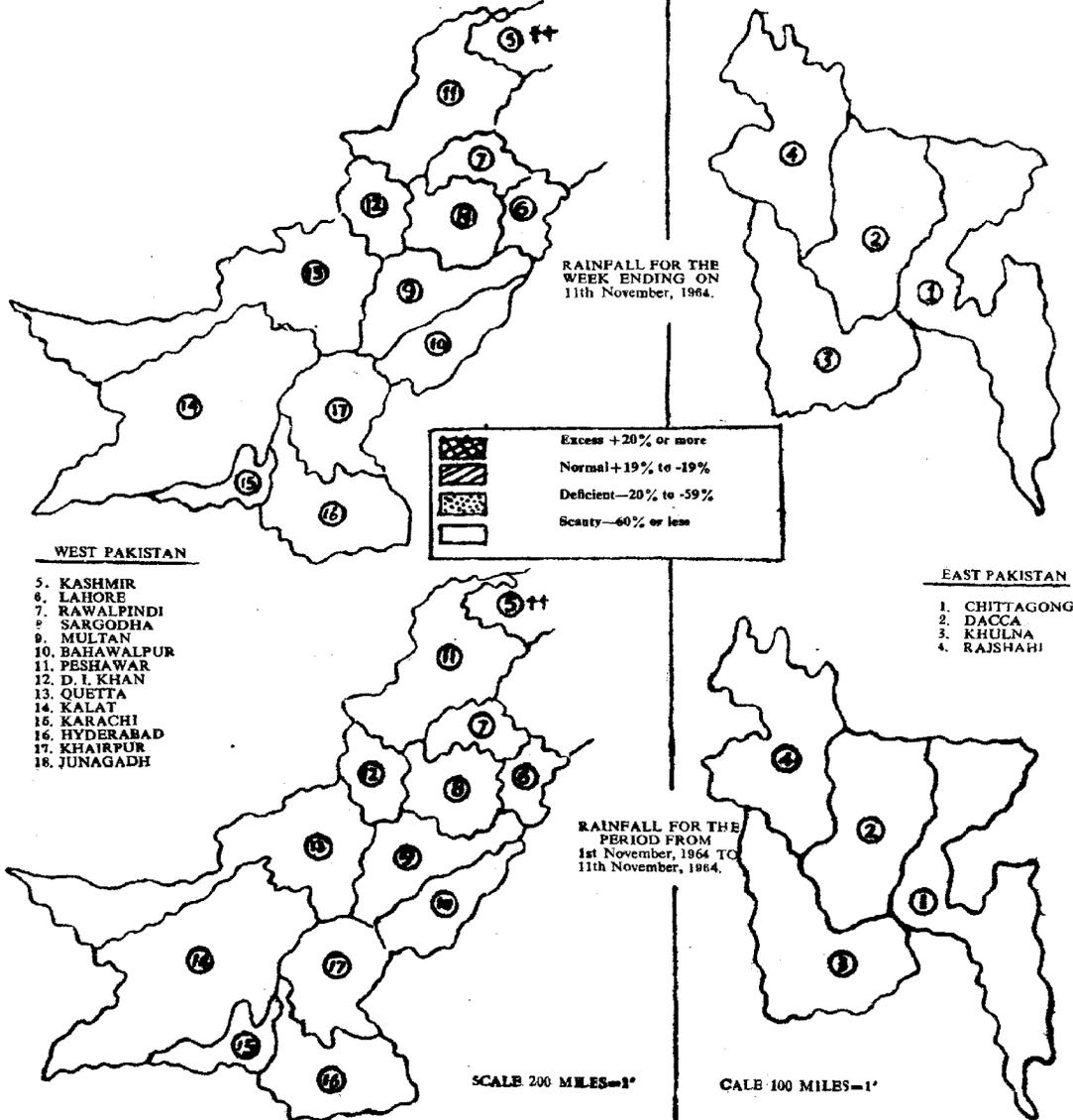
Karachi—11
The 11th November, 1964.

SIBTE NABI NAQVI
Director, Meteorological Service.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 11th November, 1964.			Rainfall for Period from 1st November, 1964 to 11th November, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per—Cent
1. Chittagong	0	0.5	— 0.5	0	1.2	— 1.2	— 100
2. Dacca	0	0.3	— 0.3	0	0.7	— 0.7	— 100
3. Khulna	0	0.3	— 0.3	0	0.7	— 0.7	— 100
4. Rajshahi	0	0.2	— 0.2	0	0.4	— 0.4	— 100
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0	0	0	0	0	— 100
7. Rawalpindi	0	0.1	— 0.1	0	0	0	— 100
8. Sargodha	0	0	0	0	0	0	0
9. Multan	0	0	0	0	0	0	0
10. Bahawalpur	0	0	0	0	0	0	0
11. Peshawar	0	0.1	— 0.1	0	0.1	— 0.1	— 100
12. D. I. Khan	0	0	0	0	0	0	— 100
13. Quetta	0	0	0	0	0	0	— 100
14. Kalat	0	0	0	0	0	0	0
15. Karachi	0	0	0	0	0	0	— 100
16. Hyderabad	0	0	0	0	0	0	— 100
17. Khairpur	0	0	0	0	0	0	0
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 18th November, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: An easterly low pressure area moved into the southeast and adjoining central Bay of Bengal on the 15th and concentrated into a depression during the following day. It was centred at 0300 hours GMT of the 16th within one degree of Latitude 12½°N and Longitude 85½°E. Moving in a northwesterly direction it lay off the North Madras coast on the 18th morning with its centre at 0300 hours GMT near Latitude 14°N and Longitude 82°E. Under its influence rain or thundershowers were fairly widespread outside Rajshahi division on the 16th and scattered to local the next day. Scattered to local rain or thundershowers also occurred in Chittagong division on the 14th and the 15th and in Khuina division only on the 15th. Rangamati, Srimangal and Jessore each recorded 1½" rain on the 16th.

Night temperatures were slightly to appreciably above normal in the province during the last five days of the week and only in Rajshahi division on the 12th.

WEST PAKISTAN: Weather continued to be dry over the province during the week.

Night temperatures were slightly below normal in southern and central parts of the province during the week and also in Rawalpindi and Peshawar divisions on the last day of the week.

2. CHITTAGONG DIVISION :	Rainfall was fairly widespread and local on one day each and scattered on two days.
DACCA DIVISION :	Fairly widespread rain fell on one day and local on another day.
KHULNA DIVISION :	Widespread rain fell on one day and scattered on two days.
RAJSHAH DIVISION :	Weather remained dry during the week.
KASHMIR :	Data not available.
LAHORE DIVISION :	
RAWALPINDI DIVISION :	
SARGODHA DIVISION :	
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	
D. I. KHAN DIVISION :	Weather remained dry during the week.
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong, Dacca and Khulna divisions whereas no rain fell elsewhere in the country.

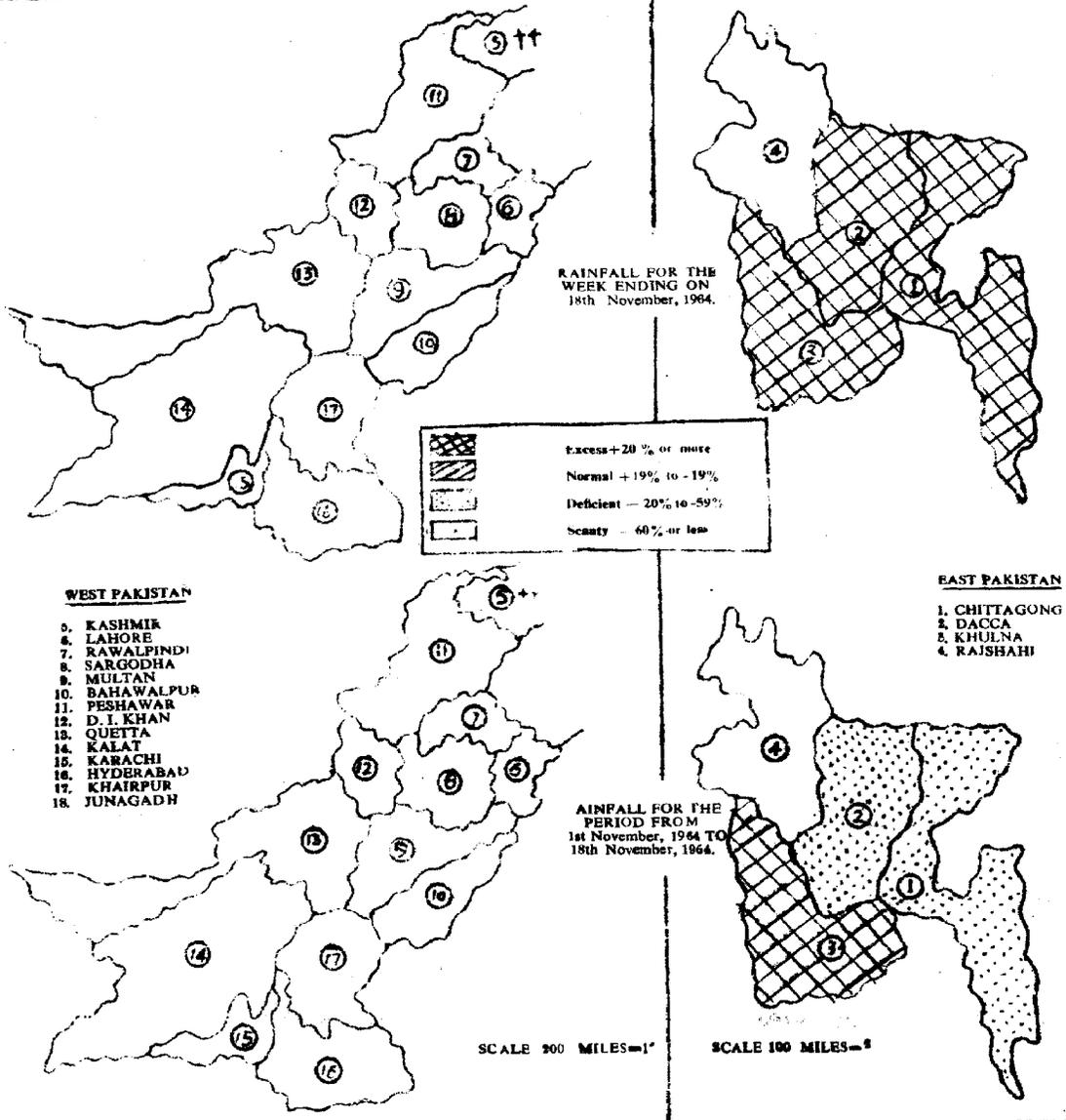
Rainfall for the period from 1st November 1964 to-date was in excess in Khulna division and deficient in Chittagong and Dacca divisions. No rain fell elsewhere in the country.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on on 18th November, 1964.			Rainfall for Period from 1st November, 1964 to 18th November, 1964.			
	† Actual	Normal	* Excess or defect	† Actual	Normal	* Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.7	0.3	+ 0.5	0.7	1.4	- 0.7	- 47
2. Dacca	0.4	0.2	+ 0.2	0.4	0.9	- 0.4	- 50
3. Khulna	1.1	0.3	+ 0.9	1.1	0.9	+ 0.2	+ 22
4. Rajshahi	0	0.1	+ 0.1	0	0.5	- 0.5	- 100
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.1	- 0.1	0	0.1	- 0.1	- 100
7. Rawalpindi	0	0.1	- 0.1	0	0.3	- 0.3	- 100
8. Sargodha	0	0	0	0	0	0	- 100
9. Multan	0	0	0	0	0	0	0
10. Bahawalpur	0	0	0	0	0	0	0
11. Peshawar	0	0	0	1	0.1	- 0.1	- 100
12. D. I. Khan	0	0	0	0	0	0	- 100
13. Quetta	0	0	0	0	0	0	- 100
14. Kalat	0	0.1	- 0.1	0	0.1	- 0.1	- 100
15. Karachi	0	0	0	0	0	0	- 100
16. Hyderabad	0	0.1	- 0.1	0	0.1	- 0.1	- 100
17. Khairpur	0	0	0	0	0	0	0
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 25th November, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Last week's depression weakened into a low off the south Andhra-north Madras coasts by the 21st but persisted there as a trough. In the mean time a fresh low pressure wave moved into the southwest Bay of Bengal and concentrated into a depression with its centre near Latitude 10°N and longitude 84°E at 1200 hours GMT on the 3rd. Initially moving northwards it began to move in a north easterly direction and lay on the 25th morning near Latitude 13½°N and Longitude 84½°E. Under its influence thundershowers occurred in the Chittagong division at a few places on the 24th, locally on the 25th, while Dacca division also received scattered showers on the latter date. Matjdee Court and Chittagong recorded 1" each on the 24th and the 25th.

Night temperatures were slightly to appreciably above normal in the province on the first and the last two days of the week and only in Chittagong division on the 20th and the 23rd. These were slightly below normal in Rajshahi division on the 21st.

WEST PAKISTAN: The weather was dry in the province except for a few thunderstorms in Rawalpindi division on the 19th which were induced by a western disturbance that moved across East Russian Turkistan and Afghanistan.

Night temperatures were generally slightly below normal in Sargodha, D.I. Khan, Bahawalpur and Hyderabad divisions throughout the week and the remaining divisions of the province from the 19th to 21st and on the 24th. They began to rise on the last day of the week and were slightly above normal in Kalat and the western parts of Quetta division.

2 CHITTAGONG DIVISION :	Rainfall was local on one day and scattered on another day.
DACCA DIVISION :	Scattered rain fell on one day.
KHULNA DIVISION :	} Weather remained dry during the week.
RAJSHAHI DIVISION :	
KASHMIR :	
LAHORE DIVISION :	No rain fell during the week.
RAWALPINDI DIVISION :	Weather remained mainly dry during the week.
SARGODHA DIVISION :	} No rain fell during the week.
MULTAN DIVISION :	
BAHAWALPUR DIVISION :	
PESHAWAR DIVISION :	
D. I. KHAN DIVISION :	
QUETTA DIVISION :	
KALAT DIVISION :	
KARACHI DIVISION :	
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong division and scanty in Dacca and Rawalpindi divisions where as no rain fell elsewhere in the country.

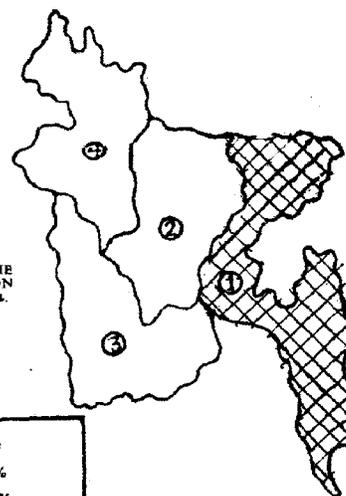
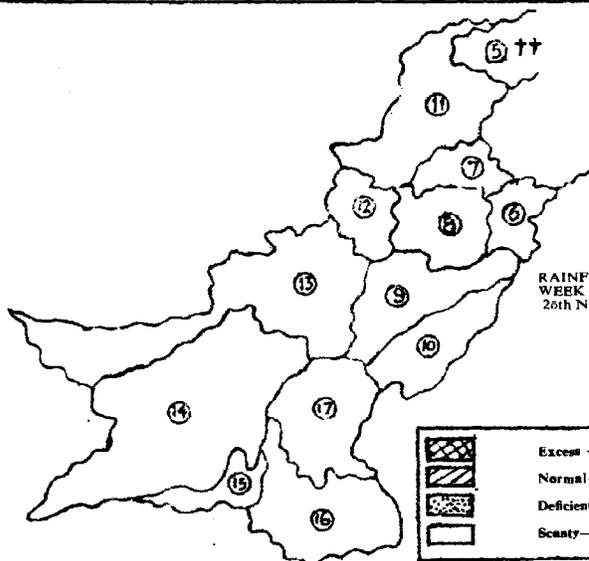
Rainfall for the period from 1st November 1964 to-date was normal in Khulna division; deficient in Chittagong and Dacca divisions and scanty in Rawalpindi division. No rain fell elsewhere in the country.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan, both for the week and for the period from 1st November 1964 to-date.

WEEKLY WEATHER REPORT

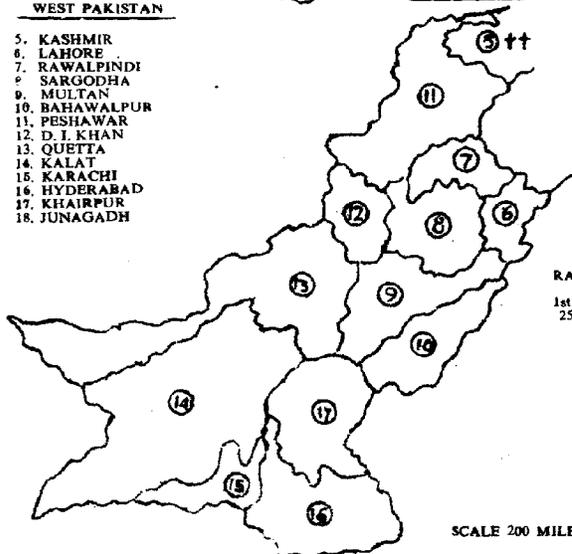
DIVISION.	Rainfall for week ending on 25th November, 1964.			Rainfall for Period from 1st November, 1964 to 25th November, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.5	0.3	+ 0.2	1.2	1.7	- 0.4	- 26
2. Dacca	0	0.1	- 0.1	0.4	0.9	- 0.5	- 55
3. Khulna	0	0.1	- 0.1	1.1	1.1	+ 0.1	+ 07
4. Rajshahi	0	0.1	- 0.1	0	0.6	- 0.6	- 100
5. Kashmir††	—	—	—	—	—	—	—
6. Lahore	0	0	0	0	0.1	- 0.1	- 100
7. Rawalpindi	0	0.2	- 0.1	0	0.4	- 0.4	- 95
8. Sargodha	0	0.1	- 0.1	0	0.1	- 0.1	- 100
9. Multan	0	0	0	0	0	0	- 100
10. Bahawalpur	0	0	0	0	0	0	- 100
11. Peshawar	0	0.1	- 0.1	0	0.2	- 0.2	- 100
12. D. I. Khan	0	0	0	0	0.1	- 0.1	- 100
13. Quetta	0	0.1	- 0.1	0	0.1	- 0.1	- 100
14. Kalat	0	0.1	- 0.1	0	0.1	- 0.1	- 100
15. Karachi	0	0	0	0	0.1	- 0.1	- 100
16. Hyderabad	0	0	0	0	0.1	- 0.1	- 100
17. Khairpur	0	0	0	0	0	0	0
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. ††Data not available.



WEST PAKISTAN

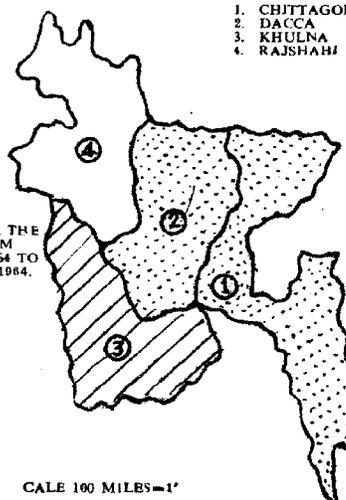
- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH



SCALE 200 MILES=1"

EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI



SCALE 100 MILES=1"

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 2nd December, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: The weather continued disturbed in the southern Bay of Bengal during the first half of the week. Under its influence widespread rain or thundershowers occurred in Khulna division and local in Dacca and Chittagong divisions on the 27th, scattered in the last mentioned division on the 26th and the 28th and a few thunderstorms in Rajshahi division on the 27th. Narayanganj and Cox's Bazar recorded 1" of rain on the 27th and 28th respectively.

Night temperatures were appreciably to markedly above normal in the province on the 26th, slightly to appreciably so on the next three days of the week.

WEST PAKISTAN: A western disturbance approached Afghanistan on the 27th. While moving slowly eastwards across Sargodha division and adjoining areas it caused scattered rain or thundershowers in Peshawar, D. I. Khan and Quetta divisions on the 28th, only in Peshawar division on the 29th and in Lahore, Rawalpindi, Peshawar, Multan divisions between the 30th and the 1st. A few falls of snow also occurred over the hills of Rawalpindi division. According to news paper reports Khyber Pak and Torkhan, Landikotal and a few other villages were hit by a hailstorm on Sunday the 29th. A few falls of light rain or drizzle were reported from Peshawar and Quetta divisions on the 27th and from Lahore, Rawalpindi, Sargodha and Kalat divisions on the 28th.

Chief amounts of rainfall recorded were:— Parachinar $\frac{1}{2}$ " on the 28th; Drosh and Parachinar $\frac{1}{2}$ " each on the 30th.

On the last day of the week another western disturbance began affecting West Pakistan and caused scattered rain or snow in Peshawar and Rawalpindi divisions. Murree and Drosh recorded $\frac{1}{2}$ " of rain each on the 2nd.

Night temperatures were markedly to considerably above normal in Quetta and northern Kalat divisions and generally slightly to appreciably so elsewhere in the province during the first four days of the week. Night temperatures, there after began to fall in the western divisions and were markedly to considerably below normal in Quetta and northern Kalat divisions and slightly to appreciably so in Rawalpindi, Peshawar and D.I. Khan divisions on the last three days of the week. These were slightly to appreciably above normal in Lahore, Sargodha, Multan and Bahawalpur divisions during this period.

CHITTAGONG DIVISION :	Local rain fell on one day and scattered on two days.
DACCA DIVISION :	Local rain fell on one day.
KHULNA DIVISION :	Widespread rain fell on one day.
RAJSHAHI DIVISION :	Weather remained mainly dry.
KASHMIR :	Data not available.
LAHORE DIVISION :	Scattered rain fell on one day.
RAWALPINDI DIVISION :	Scattered rain fell on three days.
SARGODHA DIVISION :	Weather remained mainly dry.
MULTAN DIVISION :	Scattered rain fell on one day.
BAHAWALPUR DIVISION :	Weather remained dry.
PESHAWAR DIVISION :	Local rain fell on one day and scattered on four days.
D. I. KHAN DIVISION :	Scattered rain fell on one day.
QUETTA DIVISION :	Scattered rain fell on one day.
KALAT DIVISION :	Weather was mainly dry during the week.
KARACHI DIVISION :	} Weather remained dry.
HYDERABAD DIVISION :	
KHAIRPUR DIVISION :	
JUNAGADH :	Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Chittagong, Dacca, Khulna, Rawalpindi, Multan and Bahawalpur divisions, normal in Karachi division deficient in Lahore division, scanty in Peshawar division whereas no rain fell elsewhere in the country.

4. Rainfall for the period from 1st November 1964 to-date was in large excess in Multan division, excess in Khulna division, normal in Chittagong and Dacca divisions, deficient in Rawalpindi division, scanty in Lahore and Peshawar divisions. No rain fell elsewhere in the country during the period.

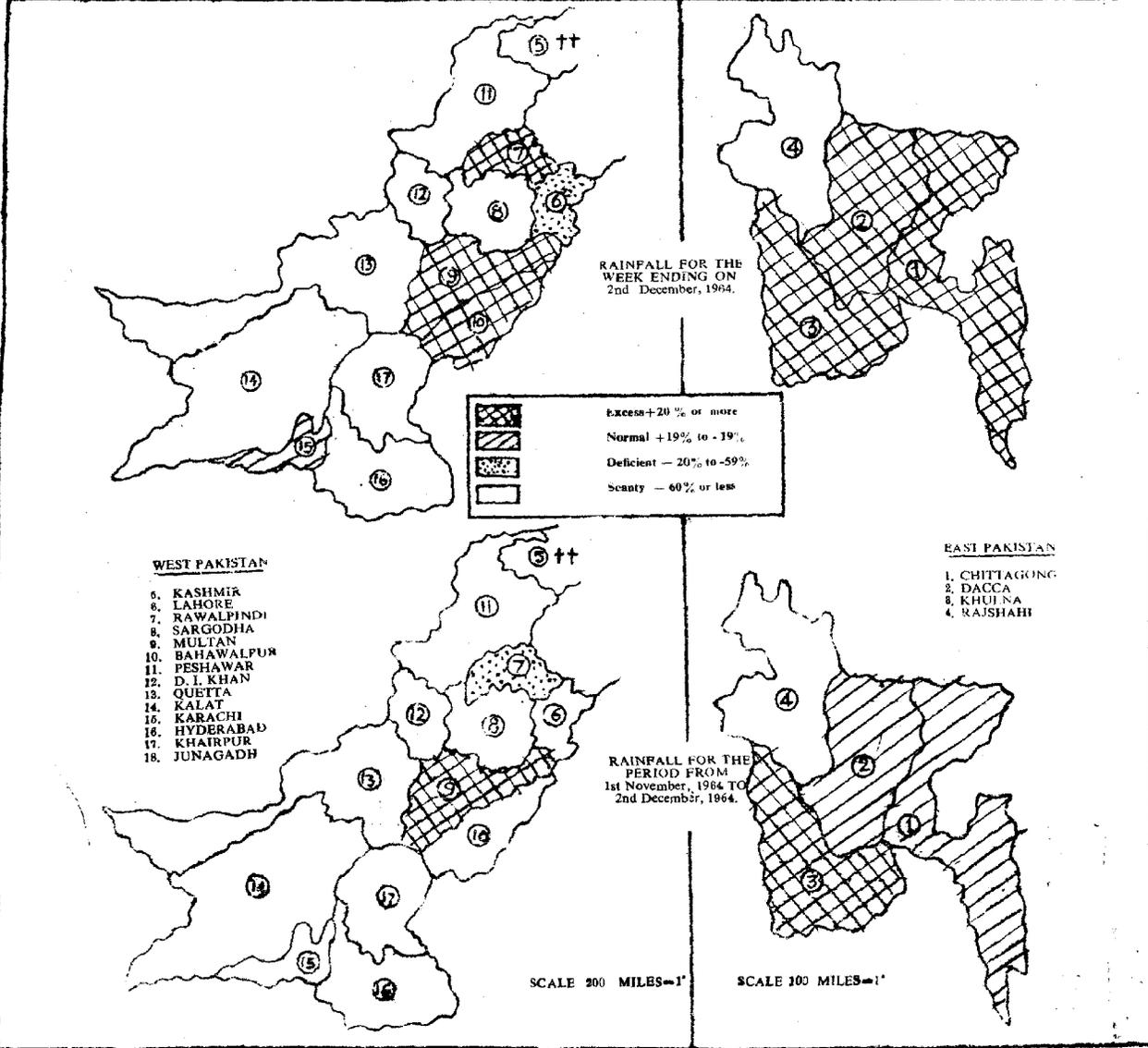
Karachi—11
The 2nd December, 1964.

SIBTE NABI NAQVI
Director, Meteorological Service.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 2nd December, 1964			Rainfall for Period from 1st November, 1964 to 2nd December, 1964			
	† Actual	Normal	* Excess or defect	† Actual	Normal	* Excess or defect	
						Inches	Per-Cent
1. Chittagong	0.6	0.1	+ 0.4	1.8	1.8	0	- 01
2. Dacca	0.4	0	+ 0.3	0.8	1.0	- 0.2	- 18
3. Khulna	0.5	0	+ 0.4	1.6	1.1	+ 0.5	+ 47
4. Rajshahi	0	0	0	0	0.6	- 0.6	-100
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.1	0.1	0	0.1	0.2	- 0.1	- 63
7. Rawalpindi	0.5	0.1	+ 0.5	0.6	1.1	- 0.5	- 47
8. Sargodha	0	0	0	0	0.1	- 0.1	- 100
9. Multan	0.1	0	+ 0.1	0.1	0.1	0	+ 30
10. Bahawalpur	0	0	0	0	0.1	- 0.1	- 90
11. Peshawar	0.1	0.2	- 0.1	0.1	0.1	- 0.3	- 87
12. D. I. Khan	0	0.1	- 0.1	0	0.4	- 0.1	- 100
13. Quetta	0	0.2	- 0.2	0	0.1	- 0.3	- 100
14. Kalat	0	0.1	- 0.1	0	0.3	- 0.2	- 100
15. Karachi	0	0	0	0	0.2	- 0.1	- 100
16. Hyderabad	0	0	0	0	0.1	- 0.1	- 100
17. Khairpur	0	0	0	0	0.1	0	- 100
18. Junagadh	—	—	—	—	—	—	—

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 †† Data not available.
 * Rainfall of stations having no normals is not included.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 9th December, 1964.

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SUMMARY OF WEATHER

EAST PAKISTAN: Weather remained dry over the province during the week.

Night temperatures were slightly to appreciably above normal in the province during the period.

WEST PAKISTAN: Last week's western disturbance over the northern areas of the province moved away eastwards by the 4th. Under its influence local to fairly widespread rain or thundershowers occurred in Rawalpindi and Peshawar divisions on the 3rd and the 4th and in Sargodha division only on the 4th. A few falls of light rain or drizzle were also reported from Multan, D.I. Khan, Karachi, Hyderabad and Khairpur divisions on the 3rd and from Lahore division on the next day.

Cherat and Khushab each recorded 1" of rainfall on the 4th.

A cold wave affected the province in its wake. As a consequence night temperatures remained markedly to considerably below normal in Quetta and Kalat divisions throughout the week and were generally appreciably below normal in most of the remaining province during the last five days of the week and also in Karachi, Hyderabad and Khairpur divisions on the 4th. These were however, appreciably to markedly above normal in the province outside Quetta and Kalat divisions on the first day of the week. The lowest minimum temperature of 3 °F (-16 °C) was recorded at Quetta hill station on the 4th and of 22 °F (-6 °C) at Nokkundi plain station a day before.

2 CHITTAGONG DIVISION :

Dacca Division :

Khulna Division :

Rajshahi Division :

Kashmir :

Lahore Division :

Rawalpindi Division :

Sargodha Division :

Multan Division :

Bahawalpur Division :

Peshawar Division :

D. I. Khan Division :

Quetta Division :

Kalat Division :

Karachi Division :

Hyderabad Division :

Khairpur Division :

Junagadh :

Weather remained dry during the week.

Data not available.

Weather remained mainly dry.

Rainfall was fairly widespread on two days.

Local rain fell on one day.

Weather remained mainly dry.

Weather remained dry.

Fairly widespread and local rain fell on one day each.

Weather remained mainly dry.

Weather remained dry.

Weather remained mainly dry.

Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Rawalpindi, Sargodha, Peshawar and Hyderabad divisions; in excess in Multan division, normal in D.I. Khan and Khairpur divisions and scanty in Lahore and Karachi divisions whereas no rainfall elsewhere in the country.

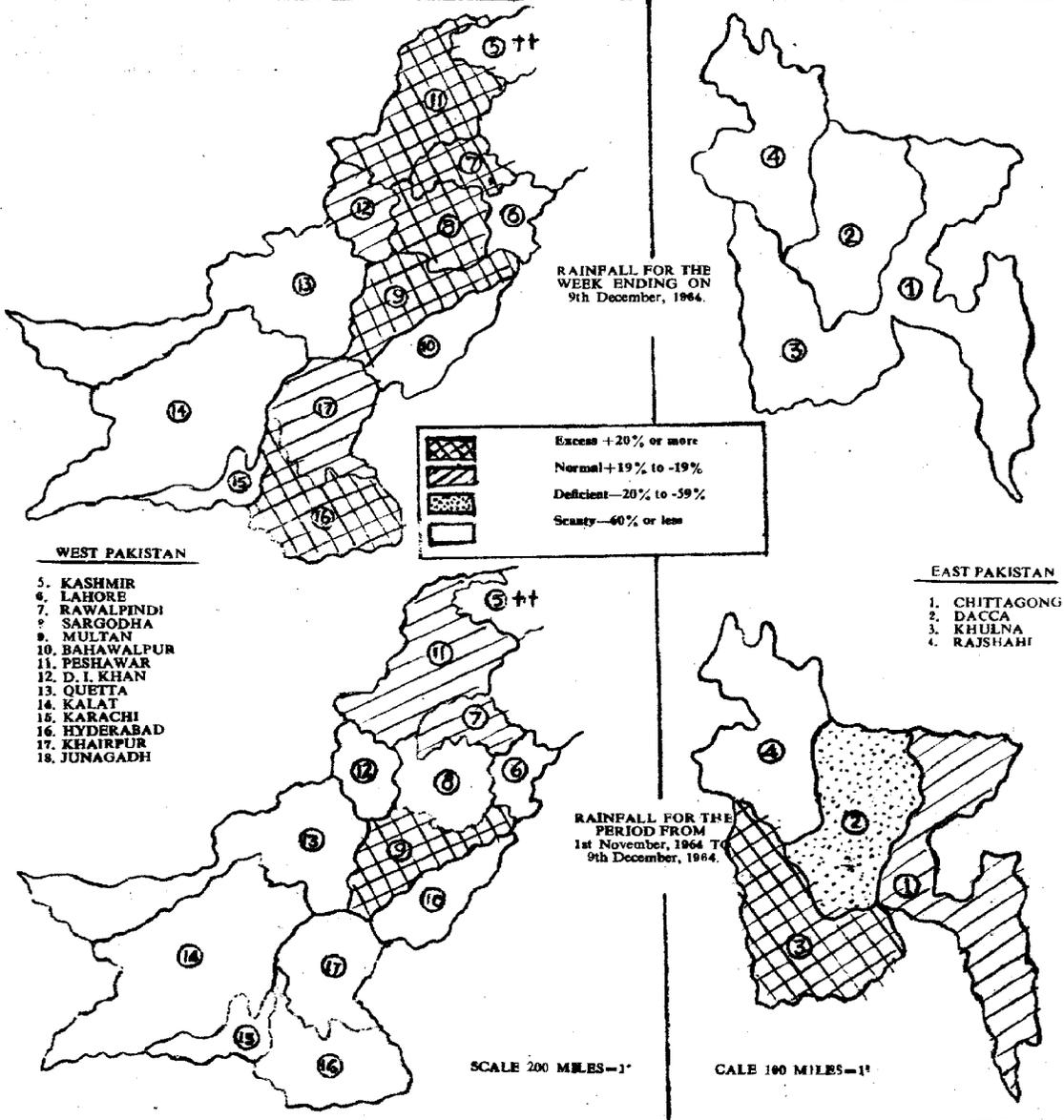
Rainfall for the period from 1st November, 1964 to date was in large excess in Multan division; in excess in Khulna division, normal in Chittagong, Rawalpindi and Peshawar divisions, deficient in Dacca division and scanty in Lahore, Sargodha, D.I. Khan, Karachi, Hyderabad and Khairpur divisions, whereas no rain has fallen so far elsewhere in the country.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st November, 1964 to date.

WEEKLY WEATHER REPORT

DIVISION.	Rainfall for week ending on 9th December, 1964.			Rainfall for Period from 1st November, 1964 to 9th December, 1964.			
	†Actual	Normal	*Excess or defect	†Actual	Normal	Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0.2	- 0.2	1.8	2.0	- 0.2	- 18
2. Dacca	0	0.1	- 0.1	0.8	1.1	- 0.3	- 24
3. Khulna	0	0.1	- 0.1	1.6	1.2	+ 0.4	+ 32
4. Rajshahi	0	0	0	0	0.6	- 0.6	- 100
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0	0	0.1	0.2	- 0.1	- 65
7. Rawalpindi	0.6	0.2	+ 0.4	1.1	1.3	- 0.1	- 10
8. Sargodha	0.5	0	+ 0.5	0.5	0.1	- 0.4	- 3-6
9. Multan	0	0	0	0.1	0.1	+ 0.1	+ 63
10. Bahawalpur	0	0	0	0	0.1	- 0.1	- 100
11. Peshawar	0.6	0.2	+ 0.4	0.7	0.6	+ 0.1	+ 16
12. D. I. Khan	0	0	0	0	0.2	- 0.2	- 94
13. Quetta	0	0.2	- 0.2	0	0.5	- 0.5	- 100
14. Kalat	0	0.2	- 0.2	0	0.4	- 0.4	- 100
15. Karachi	0	0	0	0	0.1	- 0.1	- 100
16. Hyderabad	0.1	0	+ 0.1	0.1	0.1	- 0.1	- 62
17. Khairpur	0	0	0	0	0	0	- 100
18. Junagadh ††	—	—	—	—	—	—	—

*In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01"
 † Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 16th December, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN: Weather continued to be dry over the province during the week.

Night temperatures were slightly above normal in the province between the 12th and the 14th and became appreciably below normal during the last two days of the week.

WEST PAKISTAN: An active western disturbance moved across the northern areas of the province during the first three days of the week. It caused fairly widespread to widespread rain or thundershowers in Lahore and Rawalpindi divisions respectively on the 10th and the 11th and scattered to local in Peshawar division between the 10th and the 13th, in Rawalpindi and Multan divisions on the 10th, in Lahore and D. I. Khan divisions on the 11th and in Rawalpindi divisions again on the 12th with a few falls of snow in the hills. Scattered thunderstorms were also reported from Sargodha division on the 10th, from Quetta division on the 10th and the 11th and light rain from D.I. Khan division on the 12th. Jhelum recorded 1" of rain on the 10th and Murree 2" on the 11th.

The cold wave that had already been affecting the province became severe during the first three days of the week in association with the passage of the active western disturbance. As a consequence night temperatures were considerably below normal in Quetta and Kalat divisions between the 10th and the 13th and markedly to considerably so in Khairpur, Hyderabad and Karachi divisions on the 12th. These were otherwise appreciably to markedly below normal in the province during the first six days of the week and only in Sargodha, Multan, D.I. Khan and Hyderabad divisions on the last day and of 17°F (-8°C) at Nokkundi (plain station). The lowest minimum temperatures of 0°F (-18°C) was recorded at Kalat (hill stations) on the 11th. According to newspaper reports Rawalpindi experienced the coldest day since 1904 on Sunday the 13th.

2. CHITTAGONG DIVISION :

DACCA DIVISION :

KHULNA DIVISION :

RAJSHAHI DIVISION :

KASHMIR :

LAHORE DIVISION :

RAWALPINDI DIVISION :

SARGODHA DIVISION :

MULTAN DIVISION :

BAHAWALPUR DIVISION :

PESHAWAR DIVISION :

D. I. KHAN DIVISION :

QUETTA DIVISION :

KALAT DIVISION :

KARACHI DIVISION :

HYDERABAD DIVISION :

KHAIRPUR DIVISION :

JUNAGADH :

Weather remained dry during the week.

Data not available.

Widespread and local rain fell on one day each.

Fairly widespread, local and scattered rain fell on one day each.

No rain fell during the week.

Local rain fell on one day.

Weather remained dry.

Local rain fell on two days and scattered on one day.

Scattered rain fell on one day.

No rain fell during the week.

Weather remained dry.

Data not available.

3. Based on data of the stations having normals, the week's rainfall was in large excess in Lahore, Rawalpindi, Multan and Peshawar divisions and scanty in D.I. Khan division where as no rain fell elsewhere in the country during the week.

Rainfall for the period from 1st November 1964 to-date was in large excess in Khulna, Lahore, Rawalpindi, Sargodha, Multan and Peshawar divisions; normal in Chittagong division; deficient in Dacca division and scanty in D.I. Khan, Karachi, Hyderabad and Khairpur divisions where as no rain has fallen so far elsewhere in the country.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st November, 1964 to-date.

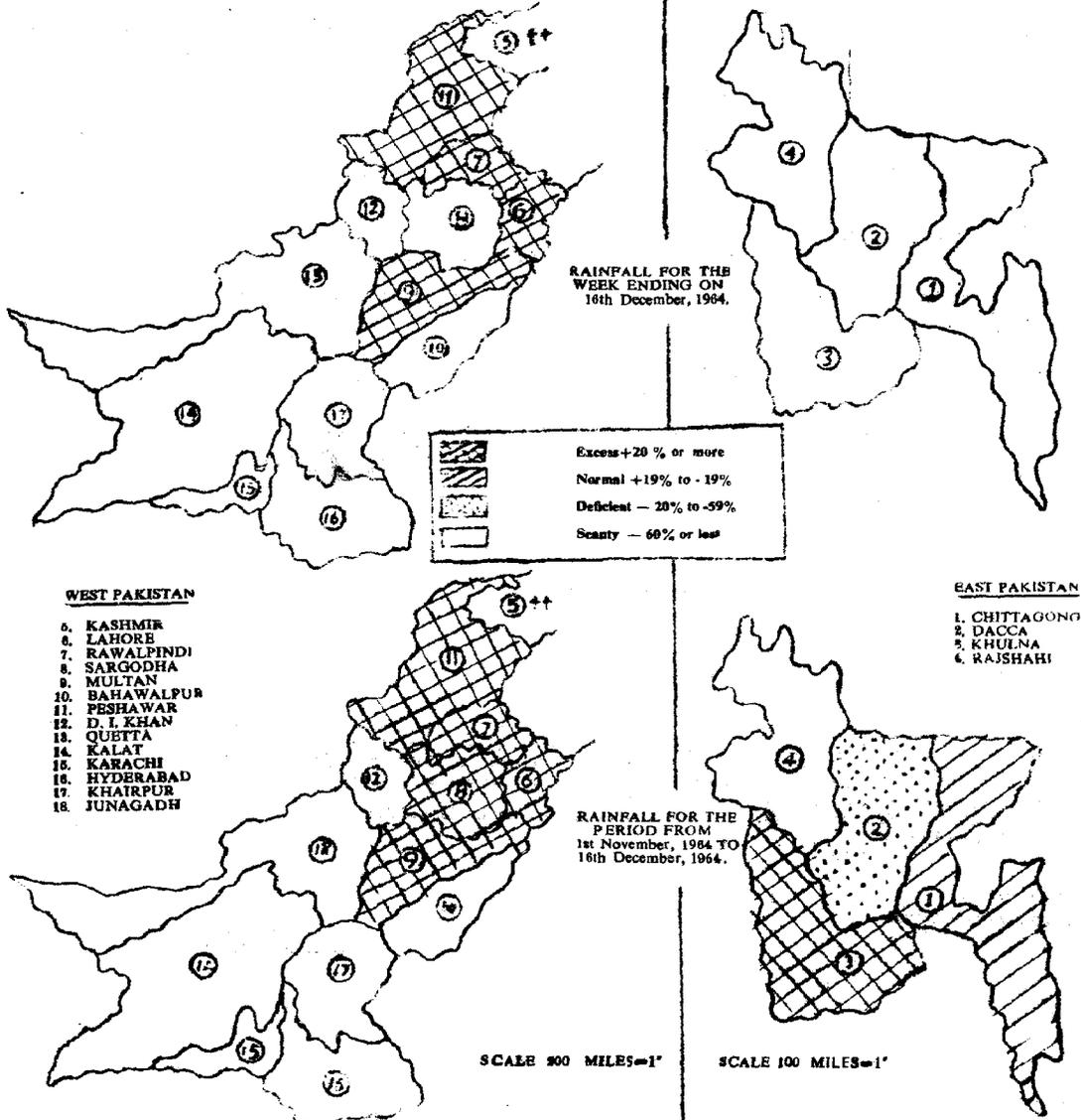
Karachi—11
The 16th December, 1964.

SIBTE NABI NAQVI
Director, Meteorological Service.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on on 16th December, 1964.			Rainfall for Period from 1st November, 1964 to 16th December, 1964.			
	↑Actual	Normal	*Excess or defect	↑Actual	Normal	*Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0.2	- 0.2	1.8	2.2	- 0.4	- 17
2. Dacca	0	0	0	0.8	1.1	- 0.3	- 27
3. Khulna	0	0	0	1.6	1.2	+ 0.4	+ 301
4. Rajshahi	0	0	0	0	0.6	- 0.6	- 100
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0.6	0.1	+ 0.5	0.7	0.3	+ 0.3	+ 91
7. Rawalpindi	1.4	0.3	+ 1.1	2.5	1.6	+ 0.9	+ 61
8. Sargodha	0	0.1	- 0.1	0.5	0.2	+ 0.3	+ 123
9. Multan	0.3	0.1	+ 0.2	0.4	0.2	+ 0.2	+ 138
10. Bahawalpur	0	0.1	- 0.1	0	0.2	- 0.2	- 100
11. Peshawar	0.8	0.2	+ 0.6	1.5	0.8	+ 0.7	+ 84
12. D. I. Khan	0	0.2	- 0.1	0	0.3	- 0.3	- 94
13. Quetta	0	0.2	- 0.2	0	0.6	- 0.6	- 100
14. Kalat	0	0.3	- 0.3	0	0.7	- 0.7	- 100
15. Karachi	0	0.1	- 0.1	0	0.2	- 0.2	- 100
16. Hyderabad	0	0	0	0.1	0.2	- 0.1	- 69
17. Khairpur	0	0.1	- 0.1	0	0.1	- 0.1	- 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 23rd December, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN: Weather continued to be dry in East Pakistan during the week except for isolated light rain or drizzle in Khulna division on the 22nd under the influence of a trough of low pressure over West Bengal and adjoining areas.

Night temperatures were slightly to appreciably above normal in the province during the week.

WEST PAKISTAN: A western disturbance moved across Afghanistan and the northern areas of the province during the last five days of the week. Its associated trough moved across the southern areas of the province. The system caused scattered to local rain or thundershowers in Peshawar division on the 19th and between the 21st and the 23rd; in D.I. Khan division on the 21st and the 23rd and in Quetta division on the 20th and the 21st. Scattered thunderstorms also occurred in Quetta division on the 19th while light rain fell at a few places in Rawalpindi and Kalat divisions on the 21st and light rain or snow in the hills of Rawalpindi division on the 22nd.

Parachinar and Drosh recorded 1/2" of rain on the 22nd and the 23rd respectively.

Night temperatures were appreciably to markedly above normal in Lahore, Rawalpindi and D.I. Khan divisions on the 23rd and in Quetta and Kalat divisions during the last five days of the week. These were otherwise slightly to appreciably above normal in most of the province during the week except for the first day when these were to the same extent below normal in Lahore, Rawalpindi, Multan and Bahawalpur divisions.

2. CHITTAGONG DIVISION :	}	Weather remained dry.
KHULNA DIVISION :		
DACCA DIVISION :		Weather remained mainly dry.
RAJSHAHI DIVISION :		Weather remained d
KASHMIR :		Data not available.
LAHORE DIVISION :		Weather remained dry.
RAWALPINDI DIVISION :		Weather remained mainly dry.
SARGODHA DIVISION :		Weather remained mainly dry.
MULTAN DIVISION :		No rain fell during the week.
BAHAWALPUR DIVISION :		No rain fell during the week.
PESHAWAR DIVISION :		Local rain fell on one day and scattered on three days.
D. I. KHAN DIVISION :		Local and scattered rain fell on one day each.
QUETTA DIVISION :		Scattered rain fell on two days.
KALAT DIVISION :		Weather remained mainly dry.
KARACHI DIVISION :	}	Weather remained dry.
HYDERABAD DIVISION :		
KHAIRPUR DIVISION :		
JUNAGADH :		Data not available.

3. Based on data of the stations having normals, the week's rainfall was deficient in Peshawar division and scanty in Khulna, Rawalpindi, Sargodha, D.I. Khan, Quetta and Kalat divisions whereas no rain fell elsewhere in the country.

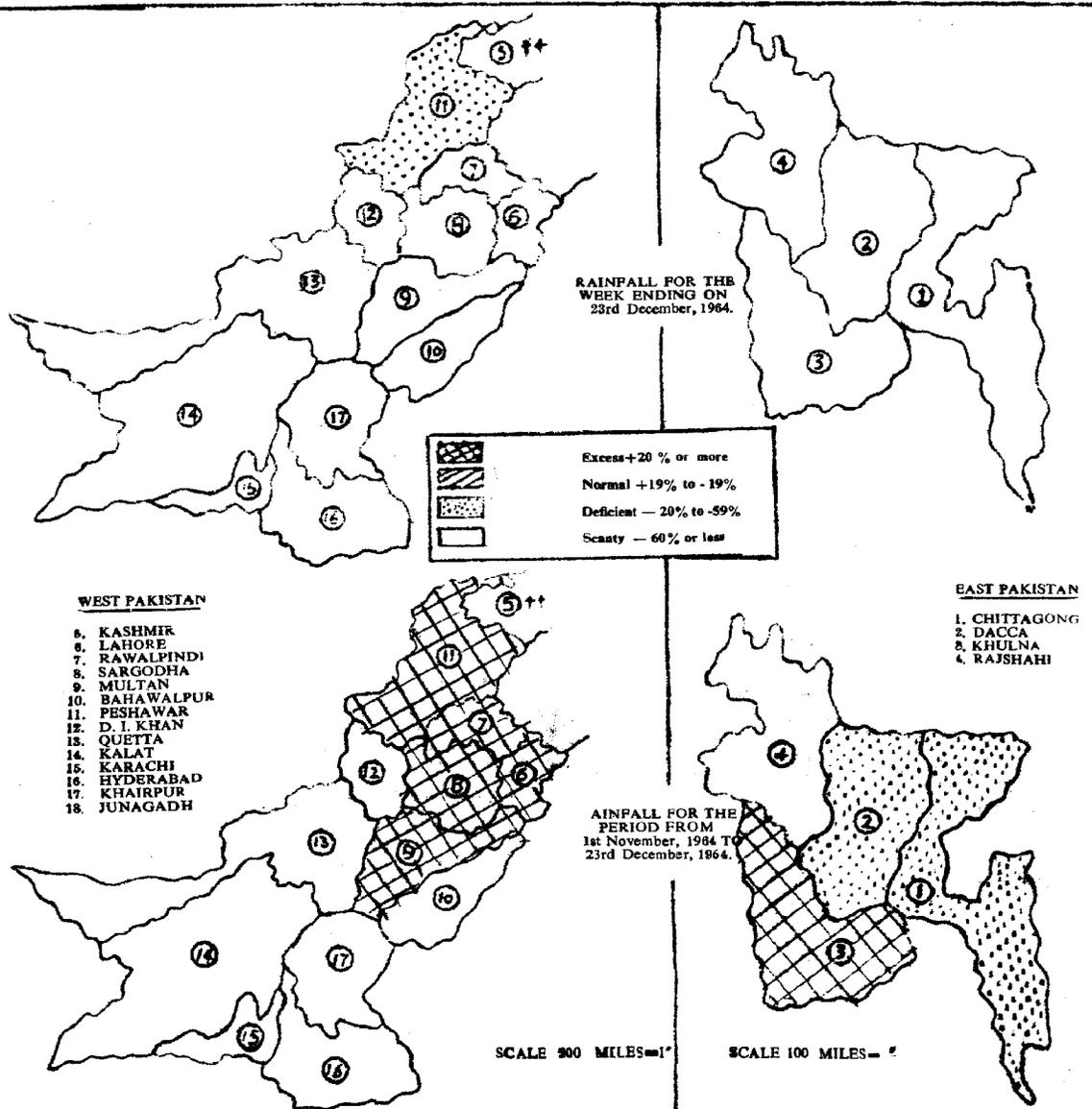
Rainfall for the period from 1st November 1964 to-date was in excess in Khulna, Lahore, Rawalpindi, Sargodha, Multan and Peshawar divisions; deficient in Chittagong and Dacca divisions and scanty in D.I. Khan, Quetta, Kalat, Karachi, Hyderabad and Khairpur divisions whereas no rain has fallen in Rajshahi and Bahawalpur divisions so far.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st November, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on on 23rd December, 1964.			Rainfall for Period from 1st November, 1964 to 23rd December, 1964.			
	† Actual	Normal	* Excess or defect	† Actual	Normal	* Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0	0	1.8	2.2	- 0.4	- 22
2. Dacca	0	0	0	0.8	1.1	- 0.3	- 30
3. Khulna	0	0.1	0	1.6	1.3	+ 0.3	+ 26.
4. Rajshahi	0	0	0	0	0.7	- 0.7	- 100
5. Kashmir ††	—	—	—	—	—	—	—
6. Lahore	0	0.2	- 0.2	0.7	0.5	+ 0.2	+ 31
7. Rawalpindi	0.1	0.4	- 1.3	2.6	2.0	+ 0.6	+ 31
8. Sargodha	0	0.1	- 0.1	0.5	0.5	+ 0.2	+ 44
9. Multan	0	0.1	- 0.1	0.4	0.2	+ 0.1	+ 58
10. Bahawalpur	0	0.1	- 0.1	0	0.2	- 0.2	- 100
11. Peshawar	0.1	0.2	- 0.1	1.6	1.0	+ 0.6	+ 53
12. D. I. Khan	0	0.1	- 0.1	0	0.4	- 0.4	- 95
13. Quetta	0.1	0.2	- 0.1	0.1	0.8	- 0.8	- 92
14. Kalat	0	0.2	- 0.2	0	0.9	- 0.9	- 100
15. Karachi	0	0.1	- 0.1	0	0.3	- 0.3	- 100
16. Hyderabad	0	0	0	0.1	0.2	- 0.1	- 60
17. Khairpur	0	0	0	0	0.2	- 0.2	- 100
18. Junagadh	—	—	—	—	—	—	—

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.



WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G.M.T. on Wednesday the 30th December, 1964.

—o:O:o—

SUMMARY OF WEATHER

EAST PAKISTAN: Weather remained dry over the province.
Night temperatures were slightly to appreciably above normal during the first six days of the week.
WEST PAKISTAN: Last week's western disturbance over Kashmir moved away eastwards after causing scattered rain in Rawalpindi division and a few falls of light rain or drizzle in Peshawar division. Weather, otherwise, was dry.
Night temperatures were slightly to appreciably above normal in D.I. Khan, Peshawar, Rawalpindi, Lahore, Sargodha, Multan and Bahawalpur divisions generally throughout the week and were to the same extent below normal in Quetta division on the 28th and in Quetta and Kalat divisions on the last two days of the week.

2. CHITTAGONG DIVISION :	}	Weather remained dry.
DACCA DIVISION :		
KHULNA DIVISION :		
RAJSHAHI DIVISION :		
KASHMIR :		Data not available.
LAHORE DIVISION :		Weather remained dry.
RAWALPINDI DIVISION :		Weather remained dry.
SARGODHA DIVISION :	}	Weather remained dry.
MULTAN DIVISION :		
BAHAWALPUR DIVISION :		
PESHAWAR DIVISION :		Weather remained mainly
D. I. KHAN DIVISION :	}	Weather remained dry.
QUETTA DIVISION :		
KALAT DIVISION :		
KARACHI DIVISION :		
HYDERABAD DIVISION :		
KHAIRPUR DIVISION :		
JUNAGADH :		Data not available.

3. Based on data of the stations having normals, the week's rainfall was scanty in Rawalpindi division, whereas no rain fell elsewhere in the country.

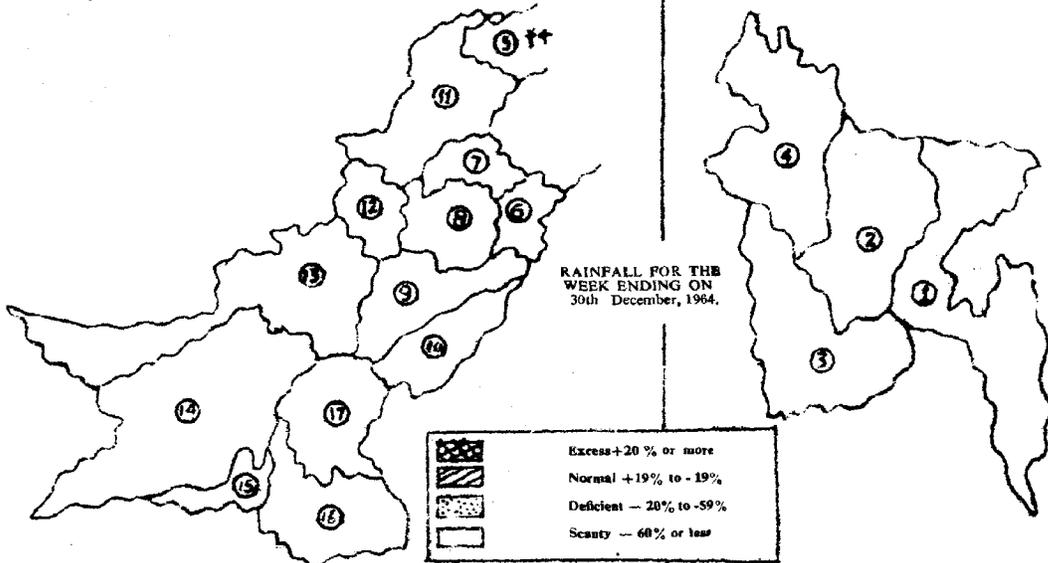
Rainfall for the period from 1st November 1964 to-date was in excess in Khulna and Multan divisions; normal in Lahore, Rawalpindi Sargodha and Peshawar divisions; deficient in Chittagong and Dacca divisions and scanty in D.I. Khan Quetta and Hyderabad divisions. No rain fell elsewhere in the country.

4. The table overleaf summarises the rainfall statistics for the eighteen divisions of Pakistan both, for the week and for the period from 1st November, 1964 to-date.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on on 30th December, 1964.			Rainfall for Period from 1st November, 1964 to 30th December, 1964.			
	† Actual	Normal	* Excess or defect	† Actual	Normal	* Excess or defect	
						Inches	Per-Cent
1. Chittagong	0	0	0	1.8	2.2	- 0.4	- 20
2. Dacca	0	0	0	0.8	1.1	- 0.3	- 30
3. Khulna	0	0	0	1.6	1.3	+ 0.3	+ 26
4. Rajshahi	0	0	0	0	0.7	- 0.7	- 100
5. Kashmir ††	-	-	-	-	-	-	-
6. Lahore	0	0.2	- 0.2	0.7	0.7	0	- 4
7. Rawalpindi	0.1	0.5	- 0.4	2.6	2.5	+ 0.2	+ 7
8. Sargodha	0	0.1	- 0.1	0.5	0.4	+ 0.1	+ 11
9. Multan	0	0.1	- 0.1	0.4	0.5	+ 0.1	+ 31
10. Bahawalpur	0	0	0	0	0.3	- 0.3	- 100
11. Peshawar	0	0.4	- 0.4	1.6	1.4	+ 0.2	+ 13
12. D. I. Khan	0	0.2	- 0.2	0	0.6	- 0.6	- 96
13. Quetta	0	0.2	- 0.2	0.1	1.0	- 1.0	- 93
14. Kalat	0	0.1	- 0.1	0	1.1	- 1.1	- 100
15. Karachi	0	0.2	- 0.2	0	0.5	- 0.5	- 100
16. Hyderabad	0	0.1	- 0.1	0.1	0.2	- 0.2	- 79
17. Khairpur	0	0	0	0	0.2	- 0.2	- 100
18. Junagadh	-	-	-	-	-	-	-

† In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0.01".
 * Rainfall of stations having no normals is not included. †† Data not available.

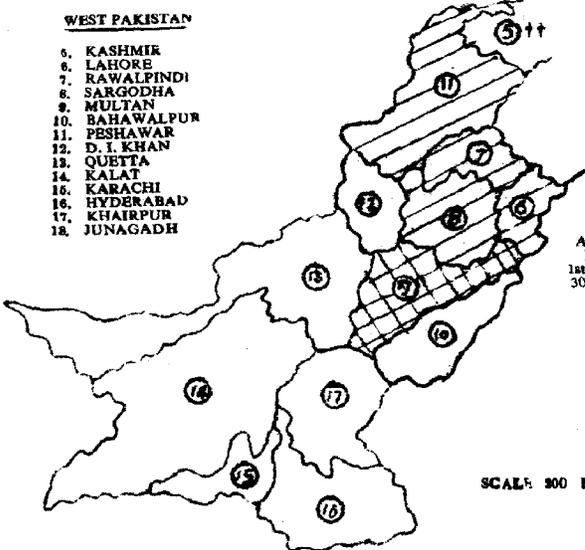


WEST PAKISTAN

- 5. KASHMIR
- 6. LAHORE
- 7. RAWALPINDI
- 8. SARGODHA
- 9. MULTAN
- 10. BAHAWALPUR
- 11. PESHAWAR
- 12. D. I. KHAN
- 13. QUETTA
- 14. KALAT
- 15. KARACHI
- 16. HYDERABAD
- 17. KHAIRPUR
- 18. JUNAGADH

EAST PAKISTAN

- 1. CHITTAGONG
- 2. DACCA
- 3. KHULNA
- 4. RAJSHAHI



SCALE: 300 MILES=1"

SCALE: 100 MILES=1"