



Government of Nepal
Ministry of Science, Technology and Environment
Department of Hydrology and Meteorology
Nagpokhari, Kathmandu, Nepal

PRELIMINARY WEATHER SUMMARY OF NEPAL
April 2017

MAIN HIGHLIGHT

Most parts of the country recorded above normal rainfall and above normal temperature (Table 2).

SYNOPTIC SEQUENCES

Weather system of the country during April was mainly affected by western disturbances, upper cyclonic circulations and troughs..

PRECIPITATION DISTRIBUTION

Except for southern parts of Far Western Region (FWR), Mid-Western Region (MWR), Western Region (WR), and eastern part of Eastern Region (ER), rest of the country recorded normal to above normal rainfall (Figure 2).

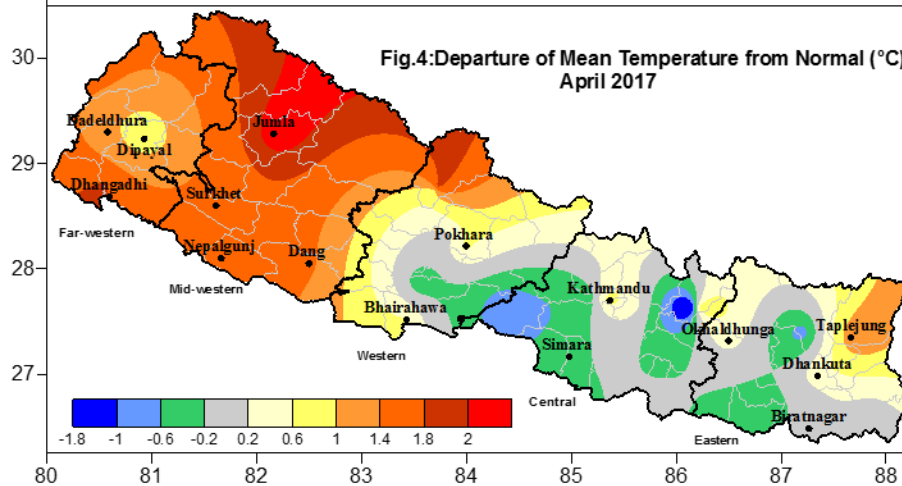
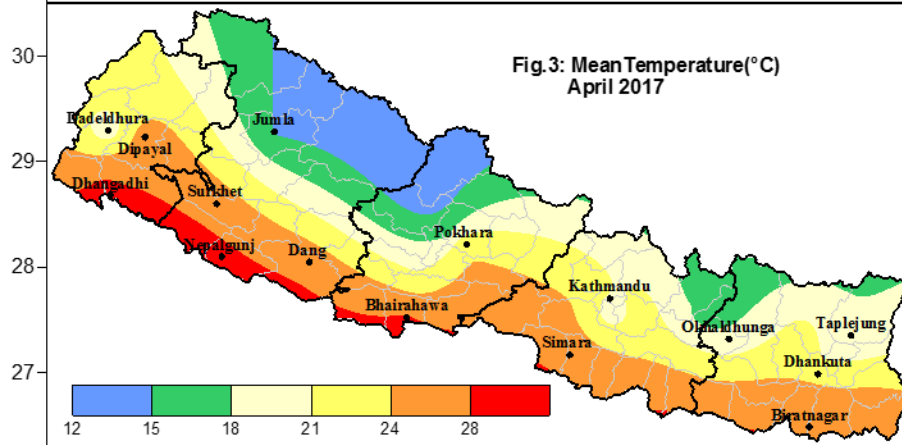
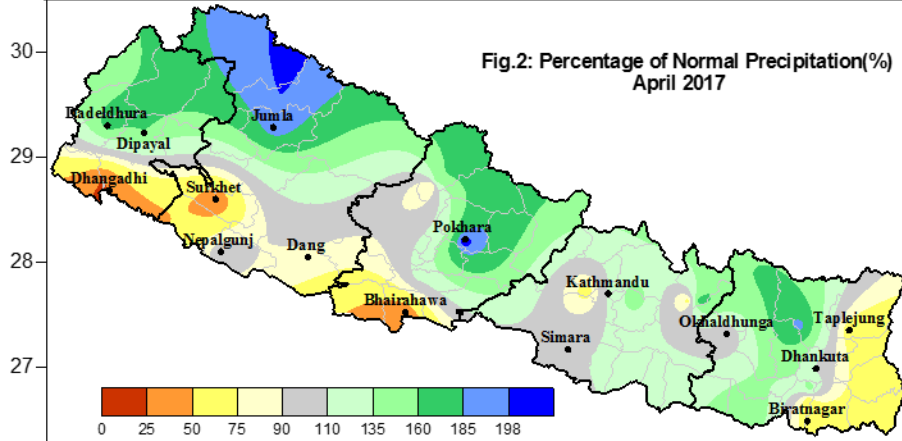
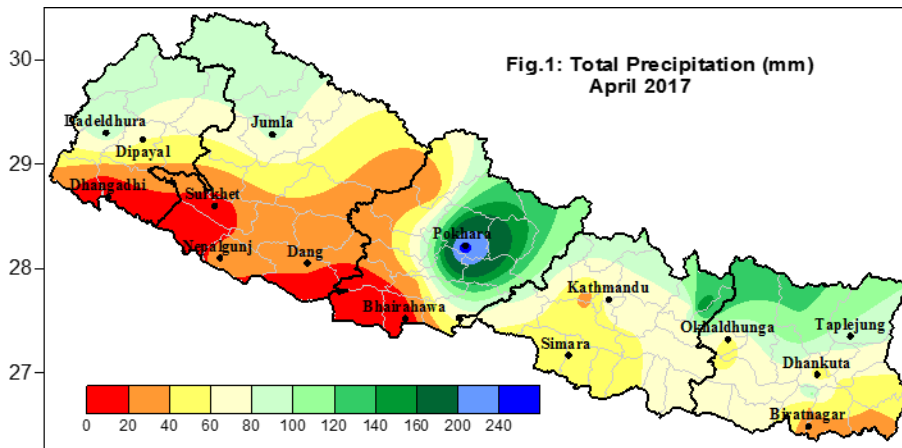
The highest total rainfall of 262.8mm was recorded at Pokhara Airport. Rajbiraj recorded the highest 24 hour rainfall of 48.8mm on 16th April (Figure 1, Table 2). Most of the rainfall was received during 1st and 3rd week of the month (Table 1).

Table 1: Temporal distribution of average rainfall in August, 2016

Week	Total rainfall (mm) (arithmetic average from station rainfall)	Percentage (%) of monthly total	Daily rainfall Intensity (mm)
1 st	20.1	29.9	2.9
2 nd	6.95	10.3	1.0
3 rd	20.3	30.1	2.9
4 th	15.1	22.5	2.2
Remaining 3 days	4.83	7.18	2.4
Total	67.3	100	

TEMPERATURE PATTERN

Western half of the country along with northern parts of ER and CR recorded above normal temperature. Temperature was normal to above normal throughout the country except some isolated patches of below normal temperature in the central parts of Eastern and southern parts of Central, Western and Far-western Region (Fig: 4). The mean temperature varied between less than 12 °C in the northern parts of MWR and WR to above 28 °C in western part of southern plains; Terai (Figure 3). As compared to other stations, Bhairahawa Airport recorded the highest maximum temperature of 41.4 °C on 27th April while the lowest minimum temperature of 0.5°C was recorded in Thakmarpha on 9th April (Table 2).



Remarks: Normal Rainfall (Gray colour) = $100 \pm 10\%$
 Normal Temperature (Gray colour) = $0 \pm 0.2\text{ }^{\circ}\text{C}$

Table: 2

PRELIMINARY MONTHLY WEATHER DATA
April, 2017

Stations	PRECIPITATION							TEMPERATURE								
	Total (mm)	% of Normal	No. of Rainy Days				24hrs Extreme Rainfall & Date	Maximum (°C)			Minimum (°C)			Mean (°C)		No. of Days with maximum temperature ≥ 30°C
			≥ 1.0 mm	≥ 10.0 mm	≥ 25.0 mm	≥ 50.0 mm		Average Max	Departure from the normal	Highest Max & Date	Average Min	Departure from the normal	Lowest Min & Date	Monthly Mean	Departure from the normal	
DADELHURA	93.0	168.7	8	4	2	0	31/8	25	1.34	28/1	13.2	0.9	6.5/7	19.1	1.1	0
DARCHULA	91.3	134.5	12	4	0	0	16.2/24	31.9	1.0	37/16	15.9	2.0	12.5/8	23.9	1.5	26
DHANGADHI	5.7	24.2	2	0	0	0	4/8	36.8	0.8	40.5/29	20.4	2.8	13.2/10	28.6	1.8	30
DIPAYAL	62.8	160.8	6	2	1	0	36/8	34.4	0.1	38.5/1	16.5	1.3	12.6/10	25.5	0.7	27
JUMLA	83.9	197.1	9	4	0	0	17.8/30	23.2	1.5	29.2/17	6.4	2.8	1/8	14.8	2.1	0
SURKHET	8.8	30.2	2	0	0	0	6/24	34.7	1.8	37.6/29	17.8	1.2	12.5/10	26.2	1.5	30
NEPALGUNJ AIRPORT	25.7	104.0	2	1	0	0	16.6/30	37.4	1.3	41.2/29	20.6	2.2	12.6/10	29.0	1.8	30
GHORAI (DANG)	22.9	85.7	3	1	0	0	15/24	33.4	0.6	36/27	19.6	2.5	14.7/11	26.5	1.5	29
JOMSOM	30.1	151.7	7	1	0	0	12/8	19.8	1.1	27.2/17	6.9	2.6	3/8	13.4	1.9	0
THAKMARPHA	20.9	74.6	3	1	0	0	14.6/8	20.3	2.5	30/17	4.0	-0.9	0.5/9	12.1	0.8	1
TANSEN	36.8	115.6	2	2	0	0	20.3/8	28.9	1.3	32.5/27	14.7	-2.1	11/8	21.8	-0.4	11
BHAIRHAWA AIRPORT	7.2	27.3	2	0	0	0	4.6/30	36.0	-0.1	41.4/27	21.3	1.4	14.2/11	28.7	0.7	30
POKHARA AIRPORT	262.8	205.9	14	7	6	0	48/23	29.8	0.0	33.5/30	17.0	1.4	14.3/8	23.4	0.7	14
LUMLE	142.6	128.5	13	5	1	0	45.5/23	22.4	-0.4	24.5/6	13.1	0.5	9.5/8	17.8	0.1	0
RAMPUR	77.6	131.3	7	2	1	0	32.1/3	33.4	-2.3	37/26	18.6	0.5	12.8/11	26.0	-0.9	26
SIMARA AIRPORT	54.7	108.4	7	2	0	0	18.6/20	33.9	-1.0	38.2/27	19.4	0.4	11.5/10	26.7	-0.3	28
GODAVARI	65.0	113.7	7	3	0	0	18.1/20	25.9	0.8	28.2/8	11.8	-0.2	8.2/11	18.8	0.3	0
KATHMANDU AIRPORT	68.2	111.8	8	2	0	0	24/23	28.0	-0.3	30.8/7	13.5	1.8	9.8/11	20.7	0.8	1
PANCHKHAL	63.2	148.5	10	2	0	0	13.5/23	30.6	-0.2	34/7	14.2	0.8	9/1	22.4	0.3	25
DHUNIBESI	30.7	64.5	4	2	0	0	12/15	30.8	0.3	33.6/28	15.7	-1.3	12.5/15	23.3	-0.5	21
JIRI	156.9	170.3	11	5	2	0	47.8/20	22.7	0.5	26.6/7	7.9	1.2	4/11	15.3	0.9	0
JANAKPUR AIRPORT	66.5	127.4	5	3	0	0	21.4/8	34.1	-0.7	38.4/27	21.1	0.4	15/11	27.6	-0.1	24
KABRE	73.6	69.4	9	3	0	0	18.6/3	23.6	-2.9	27.5/7	12.9	-0.4	10/11	18.2	-1.7	0
OKHALDHUNGA	52.4	88.0	9	1	0	0	14/23	24.7	0.9	28.7/8	13.7	-0.2	4.4/2	19.2	0.3	0
RAJBIRAJ	71.6	159.1	3	2	1	0	48.8/16	32.7	-3.0	36.5/27	22.4	2.0	17/11	27.6	-0.5	26
DHANKUTA	48.9	105.6	7	3	0	0	13.8/20	26.6	0.6	30/27	16.3	0.5	13/16	21.4	0.5	1
DHARAN	107.0	145.2	7	2	1	1	65/4	32.1	-0.8	36.3/8	21.8	0.7	16.9/4	26.9	-0.1	23
BIRATNAGAR AIRPORT	33.3	62.7	4	1	0	0	19/16	33.0	-0.9	38.2/27	21.5	1.0	14.6/11	27.2	0.1	25
TARAHARA	40.9	62.7	6	2	0	0	19.2/16	33.0	0.0	37.2/27	19.1	-0.2	12/11	26.1	-0.1	27
KHADBARI	116.7	192.6	8	4	2	0	43/22	27.4	-1.0	31/8	17.1	-0.6	10.5/20	22.3	-0.8	4
TAPLEJUNG	91.8	60.9	8	4	0	0	19/2	23.9	1.5	27.6/8	13.1	1.1	10.2/11	18.5	1.3	0
KANKAI	40.0	61.1	7	2	0	0	11.5/22	32.6	-0.8	38/27	19.9	0.7	14.5/11	26.3	0.0	26