

Babarmahal, Kathmandu

16th May 2024

Preliminary Precipitation and Temperature Summary March, 2024

Highlights

Most parts of the country recorded above normal precipitation in March. Precipitation over the country as a whole was 167.5% of the normal. The country experienced cooler maximum temperature across most part.

Synoptic Sequence

A number of western disturbances as cyclonic circulation and trough along with local disturbances affected weather of Nepal.

Precipitation

Eastern part of Koshi Province and Gandaki province recorded precipitation greater than 75 mm in March, while Lumbini province recorded precipitation less than 25 mm (Figure 1). Northern part of Bagamati Province, eastern part of Lumbini Province, western part of Gandaki Province, northern part of Karnali and Sudurpaschim Province recorded below normal precipitation, while rest of the country recorded normal to above normal precipitation in March (Figure 2). Khaireni Tar station of Tanahun district recorded the highest monthly precipitation of 170.0 mm while Jomsom of Mustang district recorded the lowest monthly precipitation of 4.7 mm. The highest (581.9%) and lowest (15.6%) percentage of monthly normal precipitation was recorded in Jaleshwor station of Mahottari district and Jomsom station of Mustang district respectively (Annex 1). Based on the average of 98 stations (stations with monthly normal precipitation data) shown in figure 2, Nepal received 167.5% of the normal precipitation.

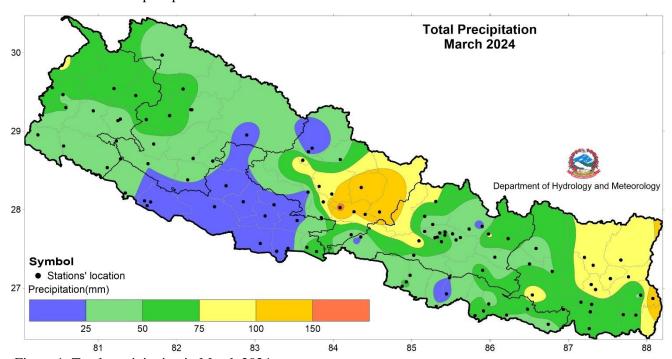


Figure 1: Total precipitation in March 2024.



Government of Nepal Ministry of Energy, Water Resource and Irrigation Department of Hydrology and Meteorology

Climate Division (Climate Analysis Section)

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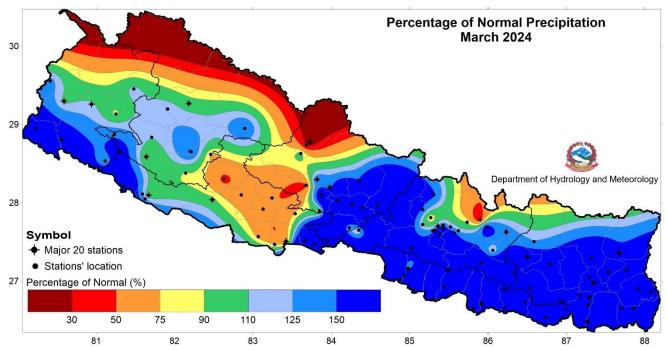


Figure 2: Percentage of normal precipitation in March 2024.

Figures 3 and 4, respectively, show the temporal distribution of monthly and seasonal cumulative average of daily precipitation at 20 major stations located as shown in figure 2. The time series of precipitation shows that precipitation was above normal during the first week and fourth week of March while second and third week remained dry.

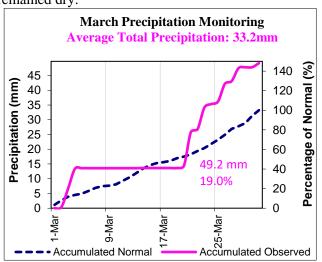


Figure 3: Cumulative average of daily normal and observed precipitation during March 2024.

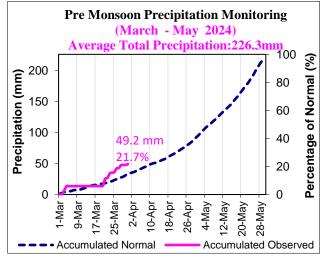


Figure 4: Cumulate average of daily normal and observed precipitation during winter season.

Maximum Temperature

Southwestern part of Gandaki Province, central and northern part of Karnali Province, western part of Sudurpaschim Province and isolated part of remaining provinces observed above normal maximum temperature in March while rest of the country recorded below normal maximum temperature (Figure 6).

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Gaur station of Rautahat district and Humde station of Manang district recorded the highest and lowest monthly maximum temperature of 32.1°C and 10.4°C respectively. Similarly, the highest monthly anomaly of 4.0°C was recorded at Gaur station of Rautahat district and the lowest of -2.7°C was recorded at Khudi Bazar station of Lamjung district (Annex 1). The highest daily maximum temperature of 38.6°C was recorded at Bhairahawa Airport station of Rupandehi district on 31st March while the lowest daily maximum temperature of 1.9°C was recorded at Humde of Manang district on 3rd March.

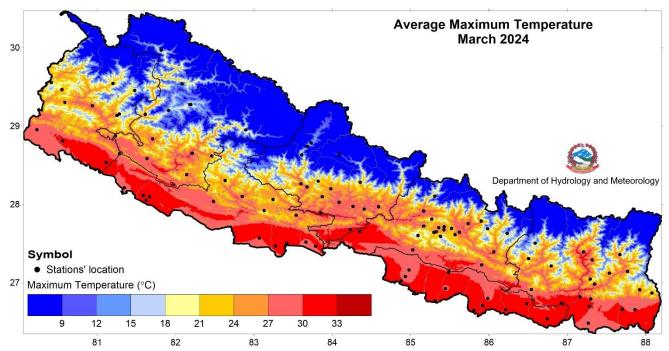


Figure 5: Maximum Temperature in March 2024.

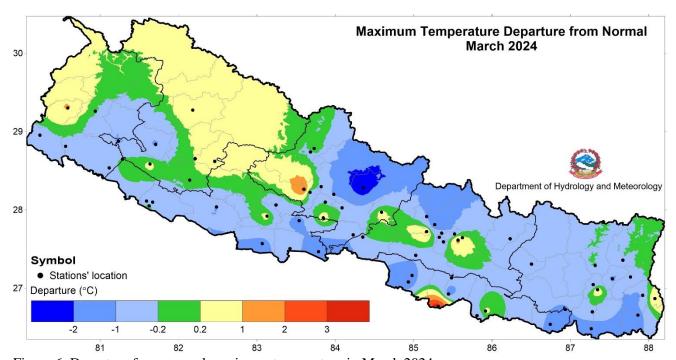


Figure 6: Departure from normal maximum temperature in March 2024.

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Minimum Temperature

In March, increased minimum temperature was observed over several parts of Terai and valleys (Figure 8). Dharan Bazar station of Sunsari district and Humde station of Manang district recorded the highest and lowest monthly minimum temperature of 17.8°C and -2.7°C respectively. Similarly, the highest monthly anomaly of 2.3°C was recorded at Kanyam Tea Estate station of Ilam district and the lowest anomaly of -2.7°C was recorded at Pusma Camp station of Surkhet district (Annex 1). The highest daily minimum temperature of 23.5°C was recorded at Dharan Bazar station of Sunsari district on 31st March while the lowest daily minimum temperature of -9.0°C was recorded at Humde station of Manang district on 4th March.

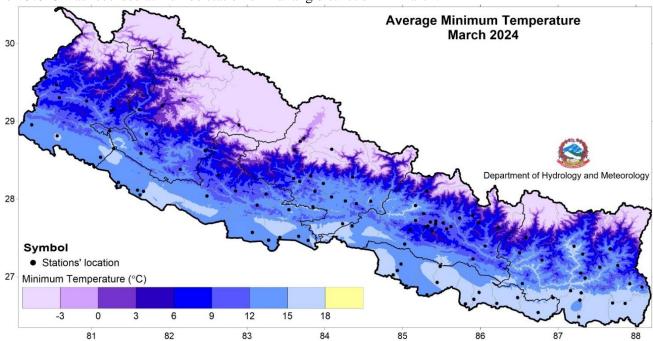


Figure 7: Minimum Temperature in March 2024.

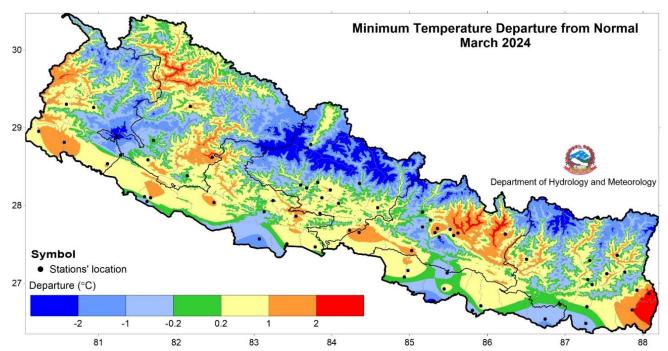


Figure 8: Departure from normal minimum temperature in March 2024.



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Historical record break

In this March, some of the stations broke the previous record of March's extremes of temperature and precipitation (Table 1, 2 & 3).

Table 1: List of stations breaking the March's highest daily maximum temperature in March 2024.

| S.N. | Station Name | District | Record break maximum temperature (°C)/Date | Previous highest maximum temperature (°C)/Date |
|------|--------------|----------|---|--|
| 1 | Dunai | Dolpa | 27.5/2024-03-28 | 26.5/1993-03-30 |

Table 2: List of stations breaking the March's highest daily minimum temperature in March 2024.

| S.N. | Station Name | | | Previous highest minimum temperature (°C)/Date |
|------|--------------------|--------|----------------|--|
| 1 | Oli Gaun (Patkani) | Achham | 4.6/2024-03-04 | 5.6/2022-03-03 |

Table 3: List of stations breaking the March's highest daily precipitation in March 2024.

| S.N. | Station Name | District | Record break daily precipitation (mm)/Date | Previous highest precipitation(mm)/Date | | | | | |
|------|--------------|-----------|--|---|--|--|--|--|--|
| 1 | Jaleshwor | Mahottari | 39.5/2024-03-21 | 39.0/1997-03-30 | | | | | |
| 2 | Khaireni Tar | Tanahun | 64.5/2024-03-27 | 52.5/2021-03-11 | | | | | |
| 3 | Terhathum | Terhathum | 49.8/2024-03-21 | 46.0/1972-03-27 | | | | | |



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Annex 1: Monthly precipitation and temperature data of March 2024

| Annex 1: Month | Ly pret | apriail(|) II all | ia WIII | perall | | ipitati | | ·141 | CII 202 | 1 | | т. | emne | rature | | |
|-----------------------|----------|-----------|-----------|------------|-------------|--------|---------|---------|---------|---|--------------|---|----------------------------|--------------|----------------------------|---------------------------|---------------------------------------|
| | | | | | | | _ | ainy [| Jave | | | | | | | | |
| Station | Latitude | Longitude | Elevation | Total (mm) | % of Normal | >1.0mm | >10.0mm | >25.0mm | >50.0mm | 24hr Highest precipitaiton (mm)/Date | Average (°C) | Departure form normal ($^{\circ}$ C) $\frac{\text{gw}}{\text{gi}}$ | Highest temperature / Date | Average (°C) | Departure form normal (°C) | Lowest temperature / Date | No. of days with maximum temp. > 30°C |
| Baglung | 28.2636 | 83.6003 | 964 | - | - | - | - | - | - | - | 29.7 | 2.2 | 32.5/18 | 12.6 | 0.6 | 8.8/3 | 21 |
| Bahrabise | 27.7887 | 85.9000 | 884 | 15.7 | 32.3 | 4 | 0 | 0 | 0 | 5.7/21 | 28.6 | - | 32/31 | 11.3 | - | 5.5/6 | 11 |
| Baitadi (Gothalapani) | | 80.4132 | 1352 | 61.8 | 135.3 | 5 | 2 | 1 | 0 | 43.6/4 | 19.7 | - | 22/22 | 8.9 | - | 3/4 | 0 |
| Bajura (Martadi) | | 81.4804 | 1598 | 64.3 | 116.1 | 6 | 3 | 0 | 0 | 21.8/3 | 21.8 | - | 27/29 | 10.1 | - | 4.6/4 | 0 |
| Bandipur | | 84.4064 | 991 | 115.0 | 395.2 | 8 | 2 | 2 | 1 | 64.2/28 | 25.0 | - | 27.5/15 | 9.7 | - | 6.5/3 | 0 |
| Bhairahawa Airport | | 83.4204 | 108 | 11.0 | 59.0 | 2 | 0 | 0 | 0 | 8/4 | 31.0 | -0.3 | 38.6/31 | 15.0 | 0.3 | - | 19 |
| Bhaktapur | | 85.4240 | 1315 | 56.1 | 181.6 | 6 | 3 | 0 | 0 | 18.2/21 | 25.3 | - | 29.4/30 | 9.4 | - | 4/6 | 0 |
| Bijuwar Tar | | 82.8520 | 835 | 13.9 | 58.6 | 3 | 0 | 0 | 0 | 7/4 | 28.9 | _ | 35.1/19 | 11.8 | _ | 7.9/3 | 9 |
| Biratnagar Airport | | 87.2670 | 72 | 52.3 | 311.5 | 4 | 2 | 1 | 0 | 26.3/21 | 29.6 | -1.5 | 35.2/31 | 15.3 | -0.6 | 11/10 | 14 |
| Birganj | | 84.8782 | 67 | 45.0 | 271.3 | 3 | 2 | 1 | 0 | 26/21 | 30.7 | -1.5 | 36/31 | 16.1 | -0.0 | 10.5/6 | 17 |
| Chainpur (East) | 27.2921 | 87.3170 | 1277 | 82.4 | 230.7 | 7 | 3 | 2 | 0 | 28.1/23 | 24.9 | -0.2 | 28/31 | 11.4 | -0.4 | 10/6 | 0 |
| Chainpur Bajhang AW | | 81.2011 | 1405 | 68.6 | - | 4 | 3 | 1 | 0 | 34.5/4 | 24.2 | -0.2 | 29/29 | 9.6 | -0.4 | 3.4/4 | 0 |
| Changu Narayan | 27.7161 | 85.4268 | 1502 | 54.0 | 143.3 | 9 | 2 | 0 | 0 | 15.6/4 | 25.4 | - | 29.5/12 | 10.9 | _ | 8/5 | 0 |
| | 27.8999 | 83.8459 | 617 | 28.4 | 83.8 | 6 | 0 | 0 | 0 | 7.6/4 | 29.9 | 0.5 | 35.2/31 | 14.5 | 0.4 | 11.5/5 | 18 |
| Chapakot | | | | | | _ | - | | | | | | | | | | |
| Charikot | | 85.9802 | 2132 | 81.5 | 177.6 | 9 | 4 | 0 | 0 | 16.4/28 | 18.1 | - | 21.7/30 | 7.2 | - | 4/8 | 0 |
| Chatara | | 87.1592 | 105 | 52.6 | 174.2 | 4 | 3 | 0 | 0 | 21.2/26 | 31.8 | - | 35.9/31 | 16.1 | - | 11.5/9 | 23 |
| Chaurjhari Tar | | 82.2103 | 863 | 36.9 | 155.1 | 4 | 2 | 0 | 0 | 19.2/3 | 29.3 | 0.2 | 36/30 | - | - | - | 19 |
| Chautara | | 85.7321 | 1552 | 32.9 | 91.0 | 5 | 1 | 0 | 0 | 12.5/31 | 25.2 | - | 29.5/31 | 9.9 | - | 7.5/4 | 0 |
| Chisapani(Karnali) | | 81.2854 | 201 | 36.9 | 184.6 | 3 | 2 | 0 | 0 | 23.8/3 | 29.7 | -0.1 | 37.5/31 | 17.1 | 0.1 | 13.6/8 | 17 |
| Dadeldhura | | 80.5878 | 1879 | 51.0 | 105.6 | 4 | 2 | 1 | 0 | 27/4 | 21.5 | 1.1 | 27/29 | 9.0 | 0.4 | 3/4 | 0 |
| Dailekh | 28.8381 | 81.7085 | 1394 | 40.0 | 110.5 | 4 | 2 | 0 | 0 | 18.4/4 | 23.9 | -1.2 | 30.4/30 | 10.9 | -0.5 | 6.7/4 | 1 |
| Damak | | 87.6988 | 119 | 61.8 | 246.3 | 5 | 3 | 1 | 0 | 27.7/23 | 30.3 | - | 34.5/17 | 15.9 | - | 12.5/7 | 17 |
| Daman | 27.6044 | 85.0920 | 2265 | 103.7 | - | 10 | 2 | 1 | 0 | 45/23 | 16.9 | - | 21.2/30 | 6.3 | - | 3.8/8 | 0 |
| Damauli | 27.9737 | 84.2651 | 347 | 100.3 | 217.2 | 6 | 3 | 1 | 1 | 62/28 | 29.9 | - | 34.5/31 | 15.0 | - | 11/8 | 20 |
| Darchula New | 29.8429 | 80.5388 | 887 | 79.1 | - | 5 | 3 | 1 | 0 | 28.5/4 | 27.8 | - | 33.3/29 | 12.6 | - | 8.2/5 | 7 |
| Dhangadhi(Attariya) | 28.8127 | 80.5600 | 184 | 38.6 | 186.6 | 2 | 2 | 0 | 0 | 19.3/3 | 30.2 | -0.4 | 38.2/31 | 15.2 | 1.8 | 10.4/8 | 18 |
| Dhankuta | 26.9832 | 87.3460 | 1192 | 84.7 | 314.9 | 6 | 2 | 1 | 0 | 46.7/21 | 24.7 | 0.7 | 28.5/19 | 12.9 | 0.1 | 10/9 | 0 |
| Dharan Bazar | 26.7922 | 87.2978 | 310 | 65.5 | 219.1 | 5 | 3 | 1 | 0 | 32.3/23 | 29.9 | - | 34/17 | 17.8 | - | 13.5/6 | 15 |
| Dhulikhel | 27.6161 | 85.5655 | 1543 | 46.0 | 172.9 | 5 | 1 | 0 | 0 | 14/21 | 23.3 | 1.3 | 27/31 | 9.4 | 0.6 | 6.5/6 | 0 |
| Dhunche | 28.1053 | 85.3077 | 2005 | 76.6 | 156.3 | 6 | 2 | 2 | 0 | 34.6/31 | 18.4 | - | 23.2/31 | 7.6 | - | 4.5/4 | 0 |
| Dhunibesi | 27.7229 | 85.1643 | 991 | 33.8 | 112.0 | 5 | 1 | 0 | 0 | 12.2/23 | 28.0 | 1.2 | 32.8/5 | 13.3 | -0.7 | 7.5/4 | 12 |
| Diktel | 27.2125 | 86.7919 | 1612 | 47.8 | 193.6 | 9 | 2 | 0 | 0 | 18.1/21 | 21.0 | - | 26/31 | 11.5 | - | 8.8/7 | 0 |
| Dipayal (Doti) | 29.2621 | 80.9369 | 563 | 39.8 | 114.4 | 4 | 2 | 0 | 0 | 22.3/4 | 29.9 | -0.1 | 36.7/28 | 12.0 | 0.9 | 7.2/8 | 14 |
| Dumkauli | 27.6807 | 84.2285 | 183 | 28.3 | 125.4 | 4 | 1 | 0 | 0 | 14.3/28 | 30.5 | -1.0 | 36/31 | 16.3 | 1.1 | 11.5/9 | 19 |
| Dunai | 28.9507 | 82.8960 | 2098 | 18.1 | 152.3 | 5 | 1 | 0 | 0 | 12.6/3 | 22.6 | - | 29/29 | 1.7 | - | -3/5 | 0 |
| Gaida (Kankai) | | 87.8607 | 107 | 63.3 | 326.3 | 5 | 3 | 1 | 0 | 25.4/23 | | -1.4 | 34/17 | 16.7 | 2.0 | 12.5/9 | 17 |
| Gaur | | 85.3130 | | 26.5 | 457.2 | 1 | 1 | 1 | 0 | 26.5/21 | | 4.0 | 37.4/31 | | | 9.6/1 | 26 |
| Ghorai (Dang) | | 82.4842 | | 19.8 | 97.5 | 2 | 1 | 0 | 0 | 13.5/4 | | -1.0 | 34.7/31 | | | 10.5/5 | 4 |
| Godavari | | 85.3788 | | 59.6 | 211.3 | 7 | 2 | 0 | 0 | 19.3/23 | | -0.6 | 24.5/18 | | -1.5 | 4/5 | 0 |
| Gorkha (Birenchowk) | 27.9714 | | | 141.6 | 400.0 | 7 | 4 | 2 | 0 | 46.8/25 | | 0.4 | 31.5/18 | | | 7.9/4 | 10 |
| Gulariya | 28.2128 | | 126 | 32.7 | 245.9 | 2 | 1 | 0 | 0 | 23.7/4 | 29.8 | - | | | - | 8.6/1 | 19 |
| Hardinath | | 85.9833 | | 45.9 | - | 5 | 2 | 1 | 0 | 27/21 | 29.6 | - | | | | 9.8/9 | 14 |
| Hetauda N.F.I. | | 85.0252 | 452 | 42.2 | 179.6 | 5 | 2 | 0 | 0 | 15.3/22 | | | 34.6/31 | | | 10.7/6 | 14 |
| | | | _ | | | | _ | | _ | | | | | | 1.3 | | - |
| Humde | 28.6399 | | 3401 | 43.8 | 107.0 | 6 | 2 | 0 | 0 | | 10.4 | 1.0 | 15/30 | -2.7 | 0.2 | -9/4 | 0 |
| Ilam Tea Estate | | 87.9231 | | | 187.8 | 6 | 3 | 0 | 0 | 12/21 | 21.9 | -1.0 | 25.5/19 | | | 10.5/22 | 0 |
| Jalesor | | 85.8073 | | 60.5 | 581.9 | 3 | 2 | 1 | 0 | | 30.7 | -1.0 | 36.5/31 | | | 14/1 | 20 |
| Janakpur Airport | 26.7097 | 85.9172 | 76 | 69.7 | 528.0 | 4 | 2 | 2 | 0 | 37.5/21 | 31.8 | 0.4 | 36.8/31 | 16.3 | 0.5 | 10.6/6 | 22 |



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| | | | | Precipitation | | | | | | | Temperature | | | | | | | | | |
|---------------------|----------|-----------|-----------|---------------|-------------|--------|---------|---------|---------|---|--------------|----------------------------|----------------------------|--------------|----------------------------|---------------------------|---------------------------------------|--|--|--|
| | | | | | | | _ | ainy I | Days | | | Maxin | | | Minim | ıum | | | | |
| Station | Latitude | Longitude | Elevation | Total (mm) | % of Normal | ≥1.0mm | ≥10.0mm | >25.0mm | >50.0mm | 24hr Highest precipitaiton (mm)/Date | Average (°C) | Departure form normal (°C) | Highest temperature / Date | Average (°C) | Departure form normal (°C) | Lowest temperature / Date | No. of days with maximum temp. > 30°C | | | |
| Jiri | 27.6304 | 86.2321 | 1877 | 66.8 | 140.4 | 9 | 2 | 0 | 0 | 14/21 | 19.3 | -0.5 | 24.4/31 | 5.3 | 1.7 | 0.7/6 | 0 | | | |
| Jomsom | | 83.7298 | | 4.7 | 15.6 | 3 | 0 | 0 | 0 | 2.5/25 | 15.4 | 0.2 | 20/26 | 2.7 | 0.7 | -1/5 | 0 | | | |
| Jumla | 29.2747 | 82.1796 | | 48.5 | 98.4 | 5 | 2 | 1 | 0 | 27.8/3 | 19.8 | 1.0 | 24.8/29 | 2.0 | 1.4 | - | 0 | | | |
| Jumla Airport | | 82.1942 | 2384 | 47.8 | - | 4 | 2 | 1 | 0 | 28.1/3 | 18.7 | - | 23.9/29 | 1.3 | - | -2.7/5 | 0 | | | |
| Kakani | | | | 33.8 | 74.1 | 10 | 0 | 0 | 0 | 7.4/4 | 18.1 | -1.7 | 22.7/31 | 8.5 | -0.6 | 2.2/20 | 0 | | | |
| Kanyam Tea Estate | 26.8681 | 88.0783 | 1570 | 141.7 | 392.5 | 7 | 5 | 3 | 1 | 51.6/21 | 20.8 | 1.0 | 26/19 | 11.4 | 2.3 | 8/22 | 0 | | | |
| Karmaiya | | 85.4841 | 139 | 24.5 | 158.3 | 4 | 1 | 0 | 0 | 19.5/21 | 30.8 | -0.7 | 36/31 | 17.0 | -0.7 | 11/6 | 18 | | | |
| Kathmandu Airport | | 85.3562 | 1337 | 48.7 | 128.2 | 7 | 2 | 0 | 0 | 14.6/21 | 25.3 | -0.7 | 29.5/30 | | 2.0 | 6.8/6 | 0 | | | |
| Khadbari | 27.3911 | 87.2044 | 1064 | 88.1 | - | 9 | 3 | 1 | 0 | 30/21 | 26.6 | - | 30/31 | 14.7 | - | 12.5/21 | 1 | | | |
| Khairini Tar | | 84.0866 | 515 | 170.0 | 371.2 | 7 | 4 | 3 | 2 | 64.5/27 | 29.6 | -0.3 | 33.4/31 | 13.4 | 0.3 | 9.2/8 | 18 | | | |
| Khajura (Nepalganj) | | 81.5903 | 129 | 17.5 | 126.0 | 2 | 1 | 0 | 0 | 10.5/3 | 30.5 | -0.7 | 37.4/31 | 13.8 | 0.2 | 7/4 | 19 | | | |
| Khanchikot | 27.9221 | 83.1298 | 1801 | 23.4 | 60.2 | 2 | 2 | 0 | 0 | 12.3/3 | 20.2 | 0.4 | 24.3/31 | 10.0 | | 6.6/3 | 0 | | | |
| Khokana | | 85.2967 | 1309 | 46.9 | 137.5 | 7 | 1 | 0 | 0 | 16.6/21 | 24.1 | - | 28.1/31 | 8.1 | - | 3.2/8 | 0 | | | |
| Khudi Bazar | | 84.3564 | 838 | 129.8 | 155.5 | 8 | 5 | 3 | 0 | 33.1/25 | 24.4 | -2.7 | 29.5/13 | 13.2 | -0.1 | 10.5/5 | 0 | | | |
| Khumaltar | 27.6517 | 85.3257 | 1334 | 44.3 | 145.2 | 8 | 1 | 0 | 0 | 15.5/21 | 23.6 | -0.5 | 27.6/31 | 9.8 | 1.9 | 6.2/5 | 0 | | | |
| Kushma | | 83.6769 | 900 | 17.2 | 42.3 | 6 | 0 | 0 | 0 | 4.6/28 | 27.7 | -0.6 | 33.4/31 | 12.9 | 0.2 | 9/4 | 4 | | | |
| Lahan | 26.7327 | 86.4776 | 110 | 52.2 | 360.1 | 4 | 1 | 1 | 0 | 38.4/21 | 30.8 | - | 35.5/31 | 15.6 | - | 11/6 | 21 | | | |
| Lete | 28.6327 | 83.6092 | 2490 | 105.4 | 97.2 | 14 | 3 | 0 | 0 | 24.5/3 | 16.9 | _ | 21.6/31 | 4.1 | _ | - | 0 | | | |
| Libang Gaun | | 82.6323 | 1314 | 14.7 | 43.8 | 2 | 0 | 0 | 0 | 9.5/3 | 25.1 | - | 31.5/30 | 9.6 | _ | 4.5/5 | 1 | | | |
| Lumbini | | 83.2761 | 95 | 11.7 | 77.5 | 2 | 0 | 0 | 0 | 8.5/4 | 30.2 | _ | 38/31 | 14.4 | _ | 9.5/2 | 17 | | | |
| Lumle | | 83.8179 | 1738 | 100.2 | 146.3 | 10 | 3 | 2 | 0 | 37.4/28 | 19.4 | -0.4 | 23.5/31 | 9.6 | 0.1 | 5.2/4 | 0 | | | |
| Mahendra Nagar | | 80.2305 | 197 | 45.8 | 200.9 | 2 | 2 | 1 | 0 | 28.8/4 | 29.5 | -0.6 | 37/31 | 13.9 | 1.0 | - | 18 | | | |
| Mangalsen | | 81.2501 | 1310 | 44.2 | 85.7 | 4 | 2 | 0 | 0 | 21.6/4 | 24.0 | - | 29/29 | 10.4 | - | 6.4/5 | 0 | | | |
| Manma | | 81.6135 | 1729 | 63.8 | - | 6 | 2 | 0 | 0 | 24.5/3 | 21.4 | _ | 26.6/31 | 9.9 | _ | 4.3/4 | 0 | | | |
| Manthali | 27.3947 | 86.0612 | 497 | 22.7 | 107.6 | 3 | 1 | 0 | 0 | 20/21 | 30.6 | _ | 35.7/31 | 13.8 | _ | 9.4/7 | 19 | | | |
| Manusmara | | 85.4451 | 90 | 20.1 | 175.0 | 3 | 1 | 0 | 0 | 16.4/21 | 29.7 | -1.3 | 36/31 | 15.6 | 0.6 | 10.5/6 | 14 | | | |
| Musikot(Rukumkot) | 28.6190 | 82.4625 | 1412 | 29.9 | 73.9 | 4 | 1 | 0 | 0 | 21.9/3 | 24.7 | 0.8 | 31/30 | 11.4 | 1.8 | 7.5/5 | 2 | | | |
| Nagarkot | | 85.5209 | 2147 | 41.8 | 126.3 | 6 | 1 | 0 | 0 | 20.7/21 | 18.6 | -0.7 | 22.3/18 | 8.0 | 0.4 | 5.5/4 | 0 | | | |
| Nagma | | 81.9106 | | 68.2 | 121.4 | 5 | 3 | 1 | 0 | 31.2/3 | 19.3 | - | 24.5/30 | 5.5 | - | 0.6/4 | 0 | | | |
| Nepalgunj Airport | | 81.6682 | | 15.6 | 99.4 | 2 | 0 | 0 | 0 | 8.6/3 | | | 37.4/31 | | 1.1 | 10.4/8 | 19 | | | |
| Nepalguni(Reg.Off.) | | 81.6228 | | 17.1 | 133.6 | 2 | 1 | 0 | 0 | 10.6/4 | 30.9 | 0.1 | 38/31 | 14.9 | | 11/6 | 19 | | | |
| Nuwakot | | 85.1646 | | 49.4 | 147.5 | 8 | 2 | 0 | 0 | | 26.6 | -1.0 | 30.7/31 | | -0.4 | 10.7/5 | 2 | | | |
| Okhaldhunga | | 86.5042 | | 49.5 | 192.0 | 6 | 2 | 1 | 0 | 25/21 | 20.9 | -0.9 | 25.7/31 | | 0.5 | 8.6/5 | 0 | | | |
| Oli Gaun (Patkani) | | 81.2831 | 989 | 35.2 | - | 3 | 2 | 0 | 0 | 17.4/3 | 19.7 | - | 22.5/28 | | - | 4.6/4 | 0 | | | |
| Pakhribas | | 87.2925 | | 94.9 | 329.6 | 5 | 2 | 1 | 1 | | 20.2 | -0.9 | 24.5/19 | | 0.0 | 7.5/7 | 0 | | | |
| Panchkhal | | 85.6209 | 857 | 27.7 | 121.5 | 6 | 1 | 0 | 0 | | 28.3 | 0.4 | 32.6/30 | | 1.8 | 5.3/6 | 9 | | | |
| Parasi | | 83.6622 | 112 | 54.2 | 255.7 | 4 | 1 | 1 | 0 | 40.2/26 | | - | 36.5/31 | | - | 9/9 | 15 | | | |
| Parwanipur | | 84.9327 | 87 | 61.2 | 402.7 | 4 | 2 | 2 | 0 | | 29.3 | -1.7 | 35.5/31 | | 0.2 | 9.5/7 | 14 | | | |
| Patan new | | 80.5506 | | 48.1 | - | 4 | 2 | 1 | 0 | 26.7/4 | 25.0 | - | 30.2/28 | | - | 6.2/4 | 1 | | | |
| Phattepur | | 86.9348 | | 77.1 | 399.6 | 6 | 2 | 1 | 0 | 32.7/26 | | -1.1 | 35.4/31 | | | 11.8/14 | 23 | | | |
| Phidim (Panchther) | | 87.7656 | | 81.0 | 251.6 | 8 | 2 | 1 | 0 | 39/21 | 25.6 | | 29.5/19 | | | 10/6 | 0 | | | |
| Pokhara Airport | | 83.9795 | 827 | 85.9 | 134.9 | 9 | 4 | 1 | 0 | 26/28 | 26.1 | -1.0 | 30.2/31 | | 1.0 | 9.5/4 | 1 | | | |
| Pusma Camp | | 81.2327 | 953 | 47.3 | 145.5 | 4 | 2 | 1 | 0 | 25.5/4 | 24.4 | -1.1 | 31.3/31 | | -2.7 | 7.6/1 | 1 | | | |
| Rajbiraj | | 86.7425 | 68 | 40.6 | 365.8 | 3 | 1 | 1 | 0 | 31.1/21 | 30.6 | -1.1 | 36.2/31 | | -1.0 | 10.6/15 | 18 | | | |
| Rampur | | 84.3508 | 189 | 24.4 | 104.7 | 3 | 1 | 0 | 0 | 20/28 | 31.2 | -0.3 | 36.4/31 | 14.6 | 1.3 | 8.5/9 | 22 | | | |
| Rara | | 82.0818 | | 58.5 | - | 7 | 3 | 0 | 0 | 19/3 | 13.0 | -0.3 | 18/27 | -0.7 | - | -5.5/5 | 0 | | | |
| Salleri | | 86.5862 | | 37.4 | 127.2 | 9 | 1 | 0 | 0 | 20/21 | 20 | _ | 25/31 | 4.5 | - | 1.5/8 | 0 | | | |
| Salyan Bazar | | 82.1423 | | 25.82 | 87.82 | 2 | 2 | 0 | 0 | 15.5/3 | 25 | 0.03 | 29.4/29 | 11 | -0.13 | 7/5 | 0 | | | |
| Saryan Dazai | 20.3021 | 02.1423 | 1337 | 43.04 | 07.02 | | | U | U | 13.3/3 | ۷3 | 0.03 | 47.4/49 | 11 | -0.13 | 1/3 | U | | | |



Government of Nepal

Ministry of Energy, Water Resource and Irrigation Department of Hydrology and Meteorology Climate Division (Climate Analysis Section)

Babarmahal, Kathmandu

| | | | | | | Preci | ipitati | on | | | Temperature | | | | | | | | |
|-------------------------|----------|-----------|-----------|------------|-------------|--------|---------|---------|---------|---|--------------|----------------------------|----------------------------|--------------|----------------------------|---------------------------|---|--|--|
| | | | | | | No. | of Ra | ainy [| Days | | | Maxin | num | | Minim | um | | | |
| Station | Latitude | Longitude | Elevation | Total (mm) | % of Normal | ≥1.0mm | ≥10.0mm | ≥25.0mm | ≥50.0mm | 24hr Highest precipitaiton (mm)/Date | Average (°C) | Departure form normal (°C) | Highest temperature / Date | Average (°C) | Departure form normal (°C) | Lowest temperature / Date | No. of days with maximum temp. $> 30^{\circ}$ C | | |
| Semari | 27.4682 | 83.7861 | 110 | 75.61 | 536.2 | 2 | 2 | 2 | 0 | 40.5/26 | 30 | -2 | 36/31 | 15 | 0.3 | 9/6 | 17 | | |
| Simara Airport | 27.1642 | 84.98 | 137 | 23.34 | 134.9 | 4 | 1 | 0 | 0 | 15/21 | 30 | -1.2 | 35.7/31 | 15 | 0.86 | 8/9 | 14 | | |
| Simikot | 29.9715 | 81.8161 | 2993 | 34.21 | - | 6 | 1 | 0 | 0 | 13.6/4 | 14 | - | 19.8/28 | 1.8 | - | -3.7/5 | 0 | | |
| Sindhuli Madhi | 27.2281 | 85.905 | 556 | 60.3 | 225 | 8 | 3 | 0 | 0 | 18.7/21 | 29 | - | 34.2/19 | 12 | - | 7.5/16 | 12 | | |
| Siraha | 26.6561 | 86.2117 | 63 | 49.6 | 459.3 | 4 | 1 | 1 | 0 | 38.2/21 | 31 | - | 35.8/31 | 16 | - | 11.5/7 | 20 | | |
| Surkhet Airport (Birene | 28.5879 | 81.6352 | 683 | 25.31 | 87.88 | 3 | 2 | 0 | 0 | 12.5/3 | 29 | 0.38 | 35.4/31 | 13 | 0.92 | 8.7/8 | 12 | | |
| Syangja | 28.0988 | 83.8722 | 871 | 88.31 | 200.2 | 7 | 3 | 1 | 0 | 47.2/28 | 27 | -0.2 | 30.8/18 | 12 | 0.91 | 8.5/8 | 5 | | |
| Tamghas | 28.0636 | 83.2435 | 1547 | 17.41 | 51.97 | 3 | 0 | 0 | 0 | 9/4 | 21 | -1.1 | 27.5/31 | 10 | 0.33 | 6/4 | 0 | | |
| Tansen | 27.8637 | 83.5387 | 1183 | 23.24 | 78.25 | 3 | 1 | 0 | 0 | 11.7/4 | 25 | -1.4 | 29.5/31 | 14 | 1.15 | 11/3 | 0 | | |
| Taplejung | 27.3586 | 87.67 | 1744 | 82.71 | 169.5 | 9 | 2 | 1 | 0 | 30.2/21 | 20 | -0.4 | 24/31 | 9.9 | 0.49 | 6.8/7 | 0 | | |
| Tarahara | 26.6987 | 87.2786 | 120 | 69.62 | 260.7 | 5 | 2 | 1 | 0 | 47.6/26 | 30 | -0.4 | 35/31 | 15 | 0.23 | 10.5/7 | 14 | | |
| Taulihawa | 27.5711 | 83.0672 | 106 | 11.2 | 70.89 | 2 | 0 | 0 | 0 | 6.7/4 | 30 | -1.4 | 37.5/31 | 14 | -1.45 | 8.4/8 | 16 | | |
| Terhathum | 27.123 | 87.5362 | 1525 | 99.5 | 388.7 | 9 | 4 | 1 | 0 | 49.8/21 | 21 | -1.2 | 25.5/31 | 11 | 0.5 | 8/1 | 0 | | |
| Thakmarpha | 28.7409 | 83.6816 | 2655 | 11.81 | 31.33 | 4 | 0 | 0 | 0 | 4.2/25 | 15 | -0.4 | 19.5/30 | 0.3 | -1.46 | -3.5/2 | 0 | | |
| Tikapur | 28.5366 | 81.115 | 149 | 26.7 | 129 | 3 | 2 | 0 | 0 | 13.2/4 | 30 | -0.4 | 37.4/31 | 14 | 1.09 | 9.5/8 | 17 | | |
| Udayapur Gadhi | 26.913 | 86.5397 | 469 | 91.5 | 497.3 | 7 | 3 | 2 | 0 | 35/21 | 28 | - | 33/19 | 15 | - | 11/6 | 11 | | |

Note:

- "mm" = millimeter; "temp" = temperature; "-" = Data Not Available, "NR" = No rainfall.
- This summary is prepared based on the precipitation and temperature received at 111 meteorological stations during March, 2024. Out of 111 stations, 98 stations have normal precipitation data, 68 stations have normal maximum and 68 stations have normal minimum temperature data. Normal precipitation/temperature is the average of the monthly precipitation/temperature for period of 1991-2020.
- Less than 90% of normal precipitation is considered as below normal, 90 to 110% is considered as near normal, and more than 110% of normal precipitation is considered as above normal precipitation for the month.