

भारत सरकार
GOVERNMENT OF INDIA
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT
मौसम विज्ञान केंद्र बेंगलूरु
METEOROLOGICAL CENTRE, BENGALURU
WEEKLY WEATHER REPORT FOR KARNATAKA STATE
WEEK ENDING 13th DECEMBER 2017/22nd AGRAHAYANA 1939 (SAKA)

WEEK'S RAINFALL (DISTRICTWISE) (07.12.2017 TO 13.12.2017)

LARGE EXCESS : Vijayapura
NO RAIN : Dakshina Kannada, Bagalkote, Bidar, Dharwad, Haveri, Kalaburgi, Koppal, Raichur, Yadgir, Ballari, Bengaluru Rural, Bengaluru Urban, Chamarajanagar, Chikaballapura, Chikkamagaluru, Chitradurga, Davangere, Hassan, Kolar, Ramanagara, Tumkuru
DEFICIENT : Mysuru
LARGE DEFICIENT : Udupi, Uttara Kannada, Belgavi, Gadag, Kodagu, Mandya, Shivamogga.

PRINCIPAL AMOUNTS OF RAINFALL (in cm):

07.12.2017: State Nil

08.12.2017: Vijayapura 2; Bableshwar 1.

09.12.2017: to 13.12.2017: State Nil

SEASON'S RAINFALL (DISTRICTWISE) (01.10.2017 TO 13.12.2017):

LARGE EXCESS : Kolar
EXCESS : Bidar, Raichur, Bengaluru Rural, Bengaluru Urban, Chikaballapura, Chitradurga, Tumakuru
NORMAL : Udupi, Bagalkote, Belgavi, Gadag, Haveri, Kalaburgi, Koppal, Vijayapura, Yadagir, Ballari, Chamarajanagar, Davangere, Mandya, Ramanagara
DEFICIENT : Dakshina Kannada, Uttara Kannada, Dharwad, Chikkamagaluru, Hassan, Kodagu, Mysuru, Shivamogga

CHIEF SYNOPTIC FEATURES AND ASSOCIATED WEATHER:

The **Depression** over southeast Bay of Bengal & neighbourhood moved northwards and lay centred at 0830 hrs IST of 07 December, 2017 near Latitude 12.0° N and Longitude 88.0 °E, about 870 km southeast of Gopalpur and 875 km to the east-southeast of Machilipatnam and at 1730 hrs IST it lay over southeast and adjoining central Bay of Bengal near Latitude 12.8° N and Longitude 87.7 °E, about 770 km south-southeast of Gopalpur and 800 km to the east-southeast of Machilipatnam.

The **Depression** over southeast and adjoining central Bay of Bengal moved further north-northwest wards, intensified into a **deep depression** and lay centred at 0830 hrs IST of 08th December, 2017 over west central Bay of Bengal near Latitude 15.0 °N and Longitude 86.8 °E, about 510 km south-southeast of Gopalpur and 610 km east-southeast of Machilipatnam. It moved further north-northwest wards and lay centred at 1730 hrs IST of 08th December, 2017 over west central Bay of Bengal near Latitude 16.5 °N and Longitude 86.3 °E, about 330 km southeast of Gopalpur and 550 km east-northeast of Machilipatnam. The **Deep Depression** over west central Bay of Bengal moved further north-north westwards and weakened into a **depression** during the night of 08th December, 2017 over west central and adjoining northwest Bay of Bengal

The **Depression** over west central and adjoining northwest Bay of Bengal moved north-north eastwards and lay centred at 0830 hrs IST of 09th December, 2017 over northwest Bay of Bengal near Latitude 19.2 °N and Longitude 86.5 °E, about 170 km east of Gopalpur and 120 km south-southwest of Paradip and 320 km south-southwest of Digha. It moved further north-northeast wards and weakened into a **well marked low pressure area** over northwest Bay of Bengal at 1730 hrs IST of 09th December, 2017 and subsequently into a low pressure area and became unimportant for the region.

A north-south trough ran from North Madhya Maharashtra to North Interior Tamil Nadu across Interior Karnataka at 0.9 km above mean sea level on 12th December 2017 and it became less marked on 13th December.

A cyclonic circulation lay between 1.5 and 3.1 km above mean sea level over South SriLanka and neighbourhood on 9th December 2017. It lay over Comorin area and neighbourhood extending up to 3.1 km above mean sea level on 10th; extended up to 1.5 km above mean sea level on 11th and up to 0.9 km above mean sea level on 12th December 2017 over the same region and it became less marked on 13th December 2017.

Another cyclonic circulation extending up to 0.9 km above mean sea level lay over SriLanka and neighbourhood on 13th December 2017.

Under the influence of above systems.

Over Coastal Karnataka, Rainfall occurred at isolated places on 07th December 2017 and was dry on remaining days of the week.

Over North Interior Karnataka, Rainfall occurred at isolated places on 07th & 08th December 2017 and was dry on remaining days of the week.

Over South Interior Karnataka, Rainfall occurred at isolated places on 07th & 08th December 2017 and was dry on remaining days of the week.

Minimum temperatures

Over **Coastal Karnataka,** they were above normal at a few places on 10th to 12th however they were below normal at a few places on 13th and were normal on rest of the days in the week.

Over **North Interior Karnataka,** they were above normal at most places on 07th; at a few places on 08th however they were below normal at a few places on 12th & 13th and were normal on rest of the days.

Over **South Interior Karnataka,** they were above normal at most places being appreciably so at many places on 07th; above normal at a few places on 09th, 10th & 13th and were normal on rest of the days.

Bagalkote recorded the lowest minimum temperature of **12.0 deg C** on **09th December 2017.**

**METEOROLOGICAL CENTRE
PALACE ROAD BENGALURU-01**

सुंदर.एम. मैत्रि/SUNDAR.M.METRI
वैज्ञानिक 'ई' एवं प्रमुख/SCIENTIST 'E' & HEAD