

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 10TH OCTOBER 2018/18TH ASVINA 1940 (SAKA)

WEEK'S RAINFALL (DISTRICTWISE) (04.10.2018 TO 10.10.2018):

LARGE EXCESS : Dakshina Kannada, Udupi, Mysuru.

EXCESS : Bengaluru Rural, Kodagu, Mandya.

NORMAL : Uttara Kannada, Bengaluru Urban, Chamarajanagar, Chikkamagalur, Hassan, Shivamogga.

DEFICIENT : Chikkaballapura, Chitradurga, Kolar.

LARGE DEFICIENT: Bagalkote, Belagavi, Bidar, Dharwad, Gadag, Haveri, Kalaburgi, Raichur, Davangere, Ramanagar, Tumakuru.

NO RAIN : Koppal, Vijayapura, Yadgir, Ballari.

PRINCIPAL AMOUNTS OF RAINFALL (in cm):

04.10.2018:

Mani (Dakshina Kannada dt), Karkala (Udupi dt) 7 each; Puttur (Dakshina Kannada dt) 5; Mudubidre, Bantwal (both Dakshina Kannada dt) 4; Sedam (Kalaburgi dt), Begur (Chamarajanagar dt), Bengaluru City, Hesaraghatta (Bengaluru Urban dt) 3 each; Subrahmanya (Dakshina Kannada dt), Manchikeri, Jagalbet (both Uttara Kannada dt), Khajuri, Sulepet (both Kalaburgi dt), Bhagamandala (Kodagu dt), Anavatti (Shivamogga dt), HD Kote (Mysuru dt), Gundlupet ARG, Yelandur (both Chamarajanagar dt) 2 each; Gersoppa, Kumta, Ankola (all Uttara Kannada dt), Kollur (Udupi dt), Udupi, Mulki, Dharmasthala (both Dakshina Kannada dt), Mysuru, Sargur, T Narasipura (both Mysuru dt), Kollegala (Chamarajanagar dt), Malavalli (Mandya dt), Anekal (Bengaluru Urban dt), Nelamangala (Bengaluru Rural dt), Chintamani (Chikkaballapura dt), Ponnampet (Kodagu dt) 1 each.

05.10.2018:

Bantwal (Dakshina Kannada dt) 8; Mudubidre (Dakshina Kannada dt) 7; Mani (Dakshina Kannada dt) 6; Karkala (Udupi dt) 5; Mangaluru, Mulki (both Dakshina Kannada dt) 4 each; Mudigere (Chikkamagalur dt), Thondebhavi (Chikkaballapura dt) 3; Panambur, Mangaluru AP, Kollur (Udupi dt), Madapura (Kodagu dt), Agumbe, Kammaradi, Yagati, Jayapura (all Chikkamagaluru dt), Hassan, Sargur (Mysuru dt), Malur (Kolar dt), Hesaraghatta (Bengaluru Urban dt), Hoskote (Bengaluru Rural dt) 2 each; Dharmasthala, Puttur (both Dakshina Kannada dt), Kota, Kundapura (both Udupi dt), Humnabad (Bidar dt), Afzalpur (Kalaburgi dt), Madikeri, Bhagamandala (Kodagu dt), Kalasa, Kottigehara, Koppa, Lingadahalli, Balehonnur, Kadur (all Chikkamagaluru dt), Konanur, Holenarasipura, Dudda, Arasikere (all Hassan dt), KR Pet (Mandya dt), Bengaluru City, Bengaluru HAL AP, Chintamani, Chintamani PTO, Gowribidanur, Shidlaghatta (all Chikkaballapura dt), Tiptur, Koratagere, Bargur (all Tumakuru dt), Magadi (Ramanagar dt), Hosadurga (Chitradurga dt) 1 each.

06.10.2018:

Kollur (Udupi dt) 8; Gersoppa (Uttara Kannada dt), Linganamakki (Shivamogga dt) 6 each; Bantwal (Dakshina Kannada dt), Honavar 5 each; Mani (Dakhina Kannada dt), Kundapur, Kota (both Udupi dt), Manki, Kumta, Ankola (all Uttara Kannada dt), Karwar 4 each; Mangaluru AP, Karkala, Siddapura (both Udupi dt), Shirali, Talaguppa (Shivamogga dt), Kalasa (Chikkamagaluru dt), HD Kote, Sargur (both Mysuru dt), Kanakapura (Ramanagara dt) 3 each; Mangaluru, Mudubidre, Mulki (all Dakshina Kannada dt), Panambur, Kadra (Uttara Kannada dt), Ponnampet, Virajpet (both Kodagu dt), Agumbe, Thyagarthi, Arasalu (both Shivamogga dt), Sringeri, Kottigehara, Koppa, Balehonnur, Jayapura, Lingadahalli, Kadur (all Chikkamagaluru dt), K R Sagara (Mandya dt) 2 each; Dharmasthala, Puttur (both Dakshina Kannada dt), Banasavi, Kiravatti (both Uttara Kannada dt), Bhagamandala, Madapura (both Kodagu dt), Madikeri, Humchadakatte, Anavatti (both Shivamogaa dt), Kammaradi, Mudigere, Lakkavalli (all Chikkamagaluru dt), Chikkamagaluru, Alur, Sravanabelagola (both Hassan dt), Hassan, Periyapatna (Mysuru dt), Maddur (Mandya dt), Shidlaghatta (Chikkaballapura dt) 1 each.

07.10.2018:

Yegati (Chikkamagaluru dt) 7; Panchanahalli (Chikkamagaluru dt), Hosadurga (Chitradurga dt) 5 each; Honavar, Ajjampura (Chikkamagaluru dt), Hiriyyur (Chitradurga dt) 4 each; Kadur, Shivani,

Tarikere (all Chikkamagaluru dt), Sargur (Mysuru dt), Nelamangala (Bengaluru Rural dt), Tumakuru 3 each; Shiggaon (Haveri dt), Arasalu, Bhadravathi (both Shivamogga dt), Shivamogga, Santhebennur (Davangere dt), Lingadahalli (Chikkamagaluru dt) 2 each; Ankola, Banasavi (both Uttara Kannada dt), Chikkamagaluru, Mudigere (Chikkamagaluru dt), Belur, Sravanabelagola, CR Patna (all Hassan dt), Davangere PTO, Rayalpadu (Kolar dt), Bengaluru City, Hesaraghatta, Anekal (both Bengaluru Urban dt), Channagiri (Davangere dt), B.Durga (Chitradurga dt), Madhugiri, Sira (both Tumakuru dt), Periyapatna (Mysuru dt), 1 each.

08.10.2018:

Mudubidre (Dakshina Kannada dt), Panambur 1 each.

09.10.2018:

Subramanya (Dakshina Kannada dt) 16; Mangaluru (Dakshina Kannada dt) 11; Panambur 9; Hunsur, HD Kote (both Mysuru dt) 6 each; Ponnampet (Kodagu dt), Sargur (Mysuru dt) 5; Karkala, Kundapur (both Udupi dt), Madikeri, Yelandur (Chamarajanagar dt), Srirangapatna, Malavalli (both Mandya dt) 4 each; Mulki (Dakshina Kannada dt), Bhagamandala (Kodagu dt), Periyapatna (Mysuru dt), Mysuru, Chamarajanagar PTO, Hoskote (Bengaluru Rural dt) 3 each; Mangaluru AP, Dharmasthala, Mudibidre (both Dakshina Kannada dt), Udupi, Virajpet, Kushalnagara (both Kodagu dt), Malur (Kolar dt), Bengaluru KIAL AP 2 each; Puttur (Dakshina Kannada dt), Kota (Udupi dt), Gokarna (Uttara Kannada dt), Madapura, Somawarpet (both Kodagu dt), T Narasipura (Mysuru dt), Holenarasipura (Hassan dt), KR Sagara, Maddur, K R Pet (all Mandya dt), Mandya, Bengaluru HAL AP, Anekal (Bengaluru Urban dt), Begur (Chamarajanagar dt) 1 each.

10.10.2018:

Kumta (Uttara Kannada dt) 8; Shivamogga 7; Bhagamandala (Kodagu dt), Kalasa (Chikkamagaluru dt) 6 each; KR Sagara (Mandya dt) 5; Karkala (Udupi dt), Konanur (Hassan dt) 4 each; Subrahmanya (Dakshina Kannada dt), Mundagod (Uttara Kannada dt), Madikeri, Shikaripura (Shivamogga dt), Nanjangud (Mysuru dt), Lingadahalli (Chikkamagaluru dt) 3 each; Anavatti (Shivamogga dt), Kadur (Chikkamagaluru dt), Sargur (Mysuru dt), Srirangapatna (Mandya dt), Mandya 2 each; Mudubidre, Bantwal, Puttur, Mulki (all Dakshina Kannada dt), Shiggaon (Haveri dt), Somawarpet (Kodagu dt), Ajjampura, Tarikere, Yagati (all Chikkamagaluru dt), Belur (Hassan dt), Malavalli (Mandya dt) 1 each.

SEASON'S RAINFALL (DISTRICTWISE) (01.10.2018 TO 10.10.2018)):

LARGE EXCESS : Dakshina Kannada.

EXCESS : Udupi, Mandya, Mysuru.

NORMAL : Uttara Kannada, Bengaluru Rural, Kodagu..

DEFICIENT : Bengaluru Urban, Chamarajanagar, Chikkamagaluru, Hassan, Kolar, Shivamogga.

LARGE DEFICIENT : Bagalkote, Belgavi, Bidar, Dharwad, Gadag, Haveri, Kalaburgi, Koppal, Raichur, Yadgir, Ballari, Chikkaballapura, Chitradurga, Davangere, Ramanagar, Tumakuru.

NO RAIN : Vijayapura.

CHIEF SYNOPTIC FEATURES AND ASSOCIATED WEATHER:

Southwest Monsoon has withdrawn from some parts of Karnataka on 7th Oct.

The cyclonic circulation over southeast Arabian sea and adjoining Lakshadweep area lay over southeast Arabian sea and adjoining Lakshadweep-Maldives area extending upto 5.8 km above mean sea level on 04th. Under the influence of cyclonic circulation over southeast Arabian sea and adjoining Lakshadweep-Maldives area, a low pressure area formed over southeast Arabian sea & neighbourhood with associated cyclonic circulation extending upto 7.6 km above mean sea level. The low pressure area over southeast Arabian sea & neighbourhood lay as a well marked low pressure area over southeast and adjoining east central Arabian sea with associated cyclonic circulation extending upto 7.6 km above mean sea level on 06th. The well marked low pressure area concentrated into a depression and lay centred over southeast & adjoining east central Arabian sea near Lat 11.2°N & long. 67.0°E about 730 km west northwest of Minicoy, 1400 km east southeast of Socotra island and 1500 km southeast of Salalah (Oman) at 1430 hours IST of 06th. The depression lay over southeast and adjoining east central Arabian sea near Lat 12.0°N & long. 65.6°E about 920

km west northwest of Minicoy, 1270 km east southeast of Socotra island and 1360 km east southeast of Salalah (Oman) at 0830 hours IST of 07th. The depression intensified into a deep depression and lay centred over southeast & adjoining east central Arabian sea near Lat 12.1°N & long. 64.3°E about 1050 km west northwest of Minicoy, 1130 km east southeast of Socotra island and 1230 km east southeast of Salalah (Oman) at 1430 hours IST of 07th. The deep depression intensified into a cyclonic storm "**LUBAN**" and lay centred over west central and adjoining southwest Arabian sea near Lat 12.4°N & long. 62.0°E about 1300 km west northwest of Minicoy, 880 km east of Socotra island and 990 km east southeast of Salalah (Oman) at 0830 hours IST of 08th. The cyclonic storm "**LUBAN**" over west central and adjoining southwest Arabian sea lay over west central and adjoining southwest Arabian sea near Lat 12.9°N & long. 60.2°E about 1300 km west northwest of Minicoy, 680 km east of Socotra island and 800 km east southeast of Salalah (Oman) at 0830 hours IST of 09th. The cyclonic storm "**LUBAN**" intensified into a severe cyclonic storm during evening hours on 09th and further intensified into a very severe cyclonic storm and lay centred over west central Arabian sea near Lat 14.1°N & long. 59.0°E about 570 km east northeast of Socotra islands and 610 km east southeast of Salalah (Oman) at 0830 hours IST of 10th.

A trough at 0.9 km above mean sea level ran from the cyclonic circulation over Kerala and adjoining interior Tamilnadu to north Konkan across Karnataka on 04th and it became less marked on 05th.

A cyclonic circulation lay over southwest Bay of Bengal and adjoining Sri Lanka off Tamilnadu extending upto 0.9 km above mean sea level on 04th. It lay over south coastal Tamilnadu and neighbourhood extending upto 0.9 km above mean sea level on 05th. It became less marked on 06th.

Under the influence of cyclonic circulation over north Andaman sea and adjoining southwest Bay of Bengal, a low pressure area formed over southeast Bay of Bengal and adjoining north Andaman sea with associated cyclonic circulation extending upto 5.8 km above mean sea level on 07th. The low pressure area over southeast Bay of Bengal and adjoining north Andaman sea lay as a well marked low pressure area over the same region with associated cyclonic circulation extending upto 5.8 km above mean sea level on at 1730 hours IST on 07th. The well marked low pressure area concentrated into a depression over east central Bay of Bengal near Lat 14.0°N & long. 88.0°E about 720 km south southeast of Gopalpur (Odisha), 690 km southeast of Kalingapatnam (Andhra Pradesh) at 0830 hours IST on 08th. The depression over east central Bay of Bengal moved further west northwestwards and lay centred near Lat 14.3°N & long. 88.2°E about 650 km south southeast of Gopalpur (Odisha), 620 km southeast of Kalingapatnam (Andhra Pradesh) at 1730 hours IST on 08th. The depression intensified into a deep depression and lay near Lat 14.7°N & long. 87.1°E about 560 km south southeast of Gopalpur (Odisha), 510 km southeast of Kalingapatnam (Andhra Pradesh) at 0830 hours IST on 09th. The deep depression intensified further into a cyclonic storm "**TITLI**" over west central Bay of Bengal and lay near Lat 15.1°N & long. 86.4°E about 590 km south southeast of Gopalpur (Odisha), 430 km southeast of Kalingapatnam (Andhra Pradesh) at 1730 hours IST on 09th. The cyclonic storm "**TITLI**" over west central Bay of Bengal moved north northwestwards, intensified into a severe cyclonic storm at 0530 hours IST and lay centred over west central Bay of Bengal lay near Lat 16.5°N & long. 85.8°E about 320 km south southeast of Gopalpur (Odisha), 270 km southeast of Kalingapatnam (Andhra Pradesh) at 0830 hours IST on 10th.

Under the influence of above systems:

Over Coastal Karnataka, Southwest monsoon was active from 4th to 6th & on 9th Oct; however was weak on 7th & 8th and was normal on 10th Oct. Rainfall occurred at most places on 10th; at a few places on 7th and at isolated places on 8th Oct.

Over North Interior Karnataka, Southwest monsoon was weak from 4th to 7th Oct. Rainfall occurred at isolated places from 4th to 7th & on 9th, 10th Oct. Dry weather prevailed on 8th Oct.

Over South Interior Karnataka, Southwest monsoon was weak on 8th Oct and was normal on the remaining days of the week. Rainfall occurred at many places from 5th to 7th; at a few places on 6th, 9th & 10th and at isolated places on 8th Oct 2018.

Maximum temperatures

Over **Coastal Karnataka**, they were appreciably above normal at most places on 7th; above normal at most places on 4th, 5th & 8th being appreciably so at a few places on 5th & at isolated places on 4th; above normal at many places being appreciably so at a few places on 6th; appreciably above normal at isolated places on 10th and above normal at isolated places on 9th Oct.

Over **North Interior Karnataka**, they were above normal at most places on 4th, 5th, 9th & 10th being appreciably so at a few places on 4th; appreciably above normal at a few places on 4th; appreciably above normal at isolated places on 5th, 9th & 10th; above normal at many places on 7th & 8th being appreciably so at a few places on 7th and above normal at a few places on 6th 6th Oct.

Over **South Interior Karnataka**, they were above normal at most places on 4th & 5th being appreciably so at many places on 5th and appreciably above normal at a few places on 4th; appreciably above normal at a few places on 10th; above normal at a few places from 7th to 9th & at isolated places on 6th. However they were also appreciably below normal at a few places on 5th and below normal at a few places being appreciably below normal at isolated places on 7th and below normal at isolated places on 6th Oct.

Ballari recorded highest maximum temperature of **36.0 deg C** on **4th & 5th Oct 2018** in the State.

Minimum temperatures

Over **Coastal Karnataka**, they were above normal at isolated places on 5th & 9th; however they were below normal at isolated places on 6th & 9th and were normal on the remaining days of the week.

Over **North Interior Karnataka**, they were above normal at a few places on 4th & at isolated places on 6th. However they were below normal at many places on 8th & 10th being appreciably so at a few places on 10th and appreciably below normal at isolated places on 8th; appreciably below normal at isolated places on 8th; below normal at a few places on 7th & 9th being appreciably so at isolated places on 7th; appreciably below normal at isolated places on 6th.

Over **South Interior Karnataka**, they were above normal at many places on 4th and above normal at isolated places from 6th to 8th; however they were below normal at isolated places on 9th & 10th and were normal on 5th.

Bidar recorded lowest minimum temperature of **16.2 deg C** on **10th Oct 2018** in the plains of the State.

**METEOROLOGICAL CENTRE
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