

KARNATAKA STATE NATURAL DISASTER MONITORING CENTRE

(An Autonomous Body, affiliated to Department of Revenue, Govt. of Karnataka)

DAILY REPORT DATED 02.12.2016

Weather in the State during past 24hrs (8.30 AM of 01/12/2016 to 8.30 AM of 02/12/2016)

(Based on data from Hobli & Grampanchyaths level Telemetric Rain Gauge and Telemetric Weather Station Network in Karnataka)

HIGHLIGHTS

WEATHER:

- Rainfall over the State is considered as “ISOLATED” since 10% of the Hoblis & Grampanchyaths recorded rainfall of ≥ 2.5 mm.
- Maximum Rainfall 26 mm is recorded at **Kyalanur, Kolar Taluk, Kolar District**.
- **Mavinakurvei** Hobli in **Uttara Kannada** District has recorded the Maximum Temperature of **36.5°C** over the State.
- **Tadavalaga** Hobli in **Vijayapura** District has recorded the Minimum Temperature of **9.6°C** over the State.
- Hobliwise/Grampanchayath wise Rainfall distribution during 08:30 am of 01.12.16 to 08:30 am on 02.12.16 details are given on page 5.
- BBMP Rainfall distribution during 08:30 am of 01.12.16 to 08:30 am on 02.12.16 details are given on page 6.

Region wise Rainfall Pattern:

Region	June 2016			July 2016			August 2016			September 2016			South -West Monsoon Rainfall Pattern 2016 (1 st June to 30 th September)			Rainfall Pattern During December 2016									Cumulative Rainfall Pattern 2016 (1 st Jan to 2 nd December)		
																Last 24 hrs rainfall ending at 8:30 AM of 2 nd Dec 2016			Last 7 Days Rainfall Pattern (26 th Nov to 2 nd Dec 2016)			1 st To 2 nd December 2016					
	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP	Nor (mm)	Act (mm)	%DEP
SIK	64	106	65	79	134	71	81	35	-57	135	37	-72	359	313	-13	1	2	133	5	2	-67	1	2	25	707	456	-36
NIK	101	127	25	131	141	8	118	63	-47	145	133	-8	494	463	-6	0	0	-100	3	0	-99	0	0	-100	722	550	-24
Malnad	358	347	-3	598	369	-38	382	241	-37	165	105	-36	1504	1062	-29	1	0	-87	5	0	-95	2	0	-93	1903	1227	-36
Coastal	813	838	3	1156	780	-33	760	550	-28	290	229	-21	3019	2396	-21	0	0	-98	6	0	-95	2	0	-93	3440	2602	-24
STATE	195	220	13	280	233	-17	206	126	-39	159	109	-31	839	688	-18	0	1	28	4	1	-86	1	1	-41	1146	815	-29

SIK: South Interior Karnataka, NIK: North Interior Karnataka, Nor (mm)-Normal Rainfall, Act (mm)-Actual Rainfall & Dep (%) - Percentage Departure from Normal.

TEMPERATURE:

- Lowest Minimum Temperature 9.6°C is recorded in **Tadavalaga Hobli, Indi Taluk, Vijayapura District** on 02/12/2016 at 6.30 AM.
- Highest Maximum Temperature 36.5°C is recorded in **Mavinakurvei Hobli, Honnavar Taluk, Uttara Kannada District** on 01/12/2016 at 1.30 PM.

RELATIVE HUMIDITY:

- Minimum Relative Humidity: Less than 25% of RH is recorded in 46% geographical area in the State.
- Maximum Relative Humidity: More than 90% of RH is recorded in 33% of geographical area in the State.

The Hobli and Grampanchyath wise rainfall distribution pattern (data available for Hobli, GP & BBMP centres) Indicates

Rainfall Category	Range	No. of Hoblis	No. of Grampanchyaths	No. of BBMP	Total
V.H.R	>124.4mm	0	0	0	0
H.R	64.5 to 124.4mm	0	0	0	0
R.H.R	35.6 to 64.4mm	0	0	0	0
M.R	7.5 to 35.5mm	15	0	0	62
L.R	2.5 to 7.4mm	67	0	66	475
V.L.R	0.1 to 2.4mm	75	40	23	493
N.R	0mm	590	4366	2	4958

RAINFALL PATTERN DURING NAKSHATRA PERIOD

	Poorva Bhadra	Uttara Bhadra	Revati	Ashwini	Bharani	Kritika	Rohini	Mrugashira	Aridra	Punarvasu	Pushyami	Aashiesa	Makha	Poorva	Uttara	Hasta	Chaitra	Swati	Vishaka	Anuradha
	(5 th Mar to 17 th Mar)	(18 th Mar to 30 th Mar)	(31 st Mar to 14 th April)	(15 th Apl to 27 th Apl)	(28 th April to 10 th May)	(11 th May to 27 th May)	(27 th May to 8 th June)	(8 th June to 22 nd June)	(22 nd June to 5 th July)	(6 th July to 19 th July)	(20 th July to 3 rd Aug)	(4 th Aug to 16 th Aug)	(17 th Aug to 30 th Aug)	(31 st Aug to 13 th Sept)	(14 th to 27 th Sept)	(28 th Sept to 10 th Oct)	(11 th to 24 th October)	(25 th to 6 th Nov)	(7 th to 20 th November)	(20 th Nov to 2 nd Dec)
SIK	-14	-89	-70	-78	-11	-35	59	71	77	-18	139	-73	-64	-46	-75	-89	-65	-87	-96	-88
NIK	-37	-65	-23	-89	-20	-9	25	49	-28	-32	45	-46	-66	-56	39	-68	-88	-97	-80	-100
Malnad	-89	-54	-57	-79	-52	-2	-40	-31	35	-49	-56	-26	-49	-46	-19	-84	-64	-81	-56	-98
Coastal	-93	-83	-85	-87	-95	-12	-34	-18	38	-42	-52	-18	-32	-50	33	-70	-25	-71	-61	-97
STATE	-47	-73	-52	-82	-33	-17	3	3	26	-40	-13	-33	-51	-51	-2	-77	-68	-87	-78	-94

TEMPERATURE:

MINIMUM TEMPERATURE of 9.6°C is recorded in **Tadavalaga Hobli, Indi Taluk, Vijayapura** District

- 75% of geographical area in the State recorded Minimum Temperature in the range of 14°C to 20°C.
- Minimum temperature in the range of 9°C to 12°C recorded in parts of **Vijayapura, Bidar, Kalaburagi, Yadgir, Bagalkote & Chikkamagaluru** districts.

MAXIMUM TEMPERATURE of 36.5°C is recorded in **Mavinakurvei Hobli, Honnavar Taluk, Uttara Kannada** District.

- 86% of the geographical area in the State recorded Maximum Temperature in the range of 28°C to 34°C.
- Maximum temperature in the range of 34°C to 37°C recorded in some parts of **Uttara Kannada, Shivamogga, Davanagere, Koppala, Raichur, Belagavi, Yadgir, Gadag, Ballari, Kalaburagi, Haveri, Chitradurga, Dharwad, Dakshina Kannada & Udupi** districts.
- District wise Minimum and Maximum Temperature during 8:30 am of 01.12.2016 to 8:30 am on 02.12.2016 details are given on pages 11, 12, 13 & 14.

RELATIVE HUMIDITY:

MINIMUM RELATIVE HUMIDITY

- 46% geographical area in the State recorded Minimum Relative Humidity less than 25%.
- Minimum Relative Humidity is recorded in parts of **Ballari, Haveri, Gadag, Dharwad, Uttara Kannada, Mandya, Koppala, Hassan, Davanagere, Mysuru, Yadgir, Tumakuru, Chitradurga, Chikkamagaluru, Bagalkote, Shivamogga & Vijayapura** districts.

MAXIMUM RELATIVE HUMIDITY

- 33% geographical area in the State recorded Maximum Relative Humidity above 90%.
- Maximum Relative Humidity is recorded in parts of **Bagalkote, Vijayapura, Bengaluru Urban, Bengaluru Rural, Ramanagara, Kolar, Chikkaballapura, Tumakuru, ChamaraJanagara, Mysuru, Mandya, Raichur, Kalaburagi, Bidar, Shivamogga, Hassan, Chikkamagaluru, Kodagu, Dakshina Kannada, Udupi, Uttara Kannada & Yadgir** districts.
- District wise Minimum and Maximum Relative Humidity during 8:30 am of 01.12.2016 to 8:30 am on 02.12.2016 details are given on pages 15, 16 & 17.

SEASONAL MAPS & WEATHER FORECAST INFORMATION:

- Hobli level Rainfall Forecast for next 24 hrs as on 2nd December 2016 given on page 7.
- Cumulative Rainfall Pattern during 1st October to 2nd December 2016 given on pages 8, 9 & 10.
- Hobli level weather Forecast for next 3 days: **Cloudiness, Relative Humidity, Rainfall, Temperature, Wind Speed & Wind Direction** details given on pages 18 to 22.
- Next 2 weeks NCEP Rainfall Forecast given on pages 23, 24 & 25.
- Major Reservoir Level Information as on (02.12.2016) given on page 27.

HIGH WAVE: High Wave Alert as on (02.12.2016) given on page 26.

EARTHQUAKE: Earthquake report (02.12.2016) given on page 26.

DISTRICTWISE DAILY MONSOON REPORT

SL No.	DISTRICT	Rainfall in 24 hours ending 8.30AM of 02.12.2016								Rainfall Forecast
		Normal (mm)	Actual (mm)	Dep (%)	Rainfall Distribution	Monsoon Activity	Range of Rain	Maximum Rainfall (mm)	Maximum Rainfall Location	SAC (24 hrs)
1	Ramanagara	0	6	5640	WIDE SPREAD	N	NR - MR	14	Arakere	Fairly Widespread (VLR-MR)
2	Kolar	1	6	581		N	NR - MR	26	Kyalanur	Widespread (NR-MR)
3	Bengaluru Urban	1	3	540	FAIRLY WIDESPREAD	N	NR - MR	7.5	Vanakanahalli	Widespread (NR-MR)
4	Chamarajanagara	3	3	9	SCATTERED	N	NR - MR	10.5	Ponnachi	Widespread (VLR-MR)
5	Mandya	0	2	517		N	NR - MR	9.5	Koppa	Fairly Widespread (NR-MR)
6	Tumakuru	0	0	30	ISOLATED	N	NR - MR	8	Thavarekere	Scattered (NR-MR)
7	Chikkaballapura	1	1	184		N	NR - LR	6.5	Kuruburu	Fairly Widespread (NR-MR)
8	Bengaluru Rural	1	2	200		N	NR - LR	5.5	Shivanapura	Widespread (VLR-MR)
9	Mysuru	1	1	-9		N	NR - LR	4.5	Talakad	Fairly Widespread (NR-MR)
10	Dakshina Kannada	1	0	-98	NEGLECTIBLE	W	NR - VLR	1.5	Manjanady	Isolated (NR-LR)
11	Belagavi	0	0	-100		W	NR - VLR	0.5	Bhiradi	Negligible (NR)
12	Hassan	0	0	-98		W	NR - VLR	0.5	Tatanahalli	Fairly Widespread (NR-MR)
13	Chikkamagaluru	1	0	-100		W	NR - VLR	0.5	Bilekallahalli	Scattered (NR-MR)
14	Kodagu	1	0	-80		W	NR - VLR	0.5	Chowdlu	Fairly Widespread (NR-RHR)
15	Chitradurga	1	0	-100		W	NR	-	-	Negligible (NR-VLR)

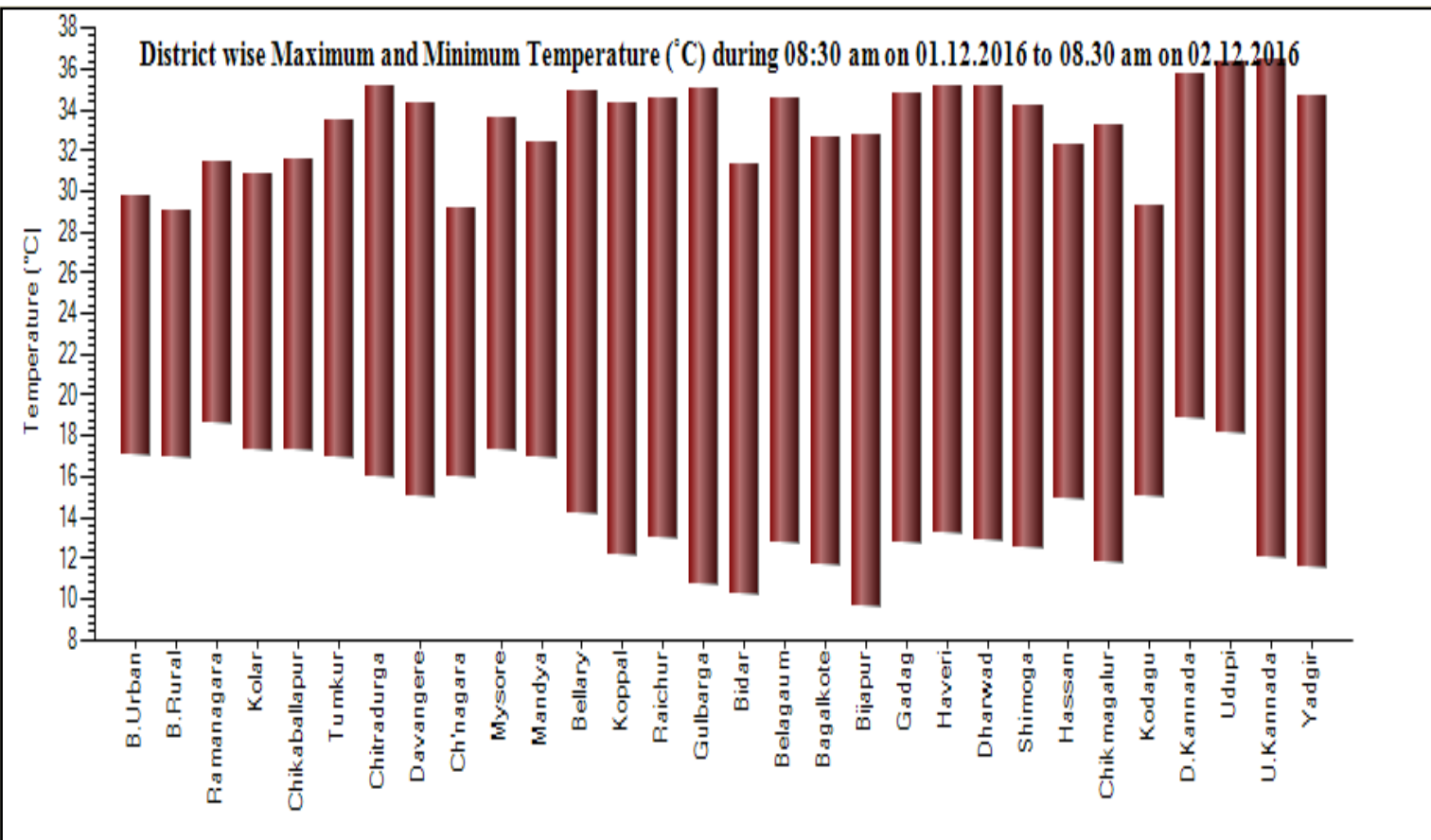
DISTRICTWISE DAILY MONSOON REPORT

SL No.	DISTRICT	Rainfall in 24 hours ending 8.30AM of 02.12.2016								Rainfall Forecast
		Normal (mm)	Actual (mm)	Dep (%)	Rainfall Distribution	Monsoon Activity	Range of Rain	Maximum Rainfall (mm)	Maximum Rainfall Location	SAC (24 hrs)
16	Davanagere	0	0	-90	NEGLECTIBLE	W	NR	-	-	Negligible (NR-VLR)
17	Ballari	1	0	-94		W	NR	-	-	Isolated (NR-LR)
18	Koppala	0	0	-100		W	NR	-	-	Isolated (NR-MR)
19	Raichur	0	0	-100		W	NR	-	-	Isolated (NR-MR)
20	Kalaburagi	0	0	-100		W	NR	-	-	Negligible (NR)
21	Bidar	0	0	-90		W	NR	-	-	Isolated (NR-LR)
22	Bagalkote	0	0	-100		W	NR	-	-	Negligible (NR-VLR)
23	Vijayapura	0	0	-100		W	NR	-	-	Negligible (NR-VLR)
24	Gadag	0	0	-100		W	NR	-	-	Negligible (NR-VLR)
25	Haveri	0	0	-100		N	NR	-	-	Isolated (NR-LR)
26	Dharwad	0	0	-97		W	NR	-	-	Negligible (NR)
27	Yadgir	0	0	-100		W	NR	-	-	Negligible (NR-VLR)
28	Shivamogga	0	0	-40		N	NR	-	-	Isolated (NR-MR)
29	Udupi	1	0	-97		W	NR	-	-	Fairly Widespread (NR-MR)
30	Uttara Kannada	0	0	-100	W	NR	-	-	Isolated (NR-LR)	

Distribution: W = Widespread (>75% of the rain gauges in the districts recording a rainfall of 2.5mm and above), F = Fairly Wide spread (50 -75% of the rain gauges in the districts recording a rainfall of 2.5mm and above), S = Scattered (25 -50% of the rain gauges in the districts recording a rainfall of 2.5mm and above), I = Isolated (<25% of the rain gauges in the districts recording a rainfall of 2.5mm and above) & N = Negligible (<2.5mm). **Monsoon Activity:** V- Vigorous, A- Active, N- Normal & W-Weak.

**District wise Maximum and Minimum Temperature (°C) during 08:30 am of
01.12.16 to 08.30 am of 02.12.16**

SI. No	DISTRICT	Maximum Temp(°C)	Minimum Temp(°C)	SI. No	DISTRICT	Maximum Temp(°C)	Minimum Temp(°C)
1	Bengaluru Urban	29.7	17.1	16	Bidar	31.3	10.2
2	Bengaluru Rural	29	16.9	17	Belagavi	34.6	12.8
3	Ramanagara	31.4	18.6	18	Bagalkote	32.6	11.7
4	Kolar	30.8	17.3	19	Vijayapura	32.8	9.6
5	Chikkaballapura	31.6	17.3	20	Gadag	34.8	12.7
6	Tumakuru	33.5	17	21	Haveri	35.1	13.2
7	Chitradurga	35.2	16	22	Dharwad	35.2	12.9
8	Davanagere	34.3	15	23	Shivamogga	34.2	12.5
9	Chamarajanagara	29.2	16	24	Hassan	32.3	14.9
10	Mysuru	33.6	17.3	25	Chikkamagaluru	33.2	11.8
11	Mandya	32.4	16.9	26	Kodagu	29.3	15
12	Ballari	34.9	14.2	27	D.Kannada	35.8	18.9
13	Koppala	34.3	12.2	28	Udupi	36.3	18.1
14	Raichur	34.5	13	29	Uttara Kannada	36.5	12
15	Kalaburagi	35	10.7	30	Yadgir	34.7	11.5



District wise Maximum and Minimum Relative Humidity (%) during 08:30 am of 01.12.16 to 08.30 am of 02.12.16

Sl. No	District	Maximum RH (%)	Minimum RH (%)	Sl. No	District	Maximum RH (%)	Minimum RH (%)
1	Bengaluru Urban	>90	25.6	16	Bidar	>90	22.7
2	Bengaluru Rural	>90	30.8	17	Belagavi	86.2	18.3
3	Ramanagara	>90	23.3	18	Bagalkote	>90	17.3
4	Kolar	>90	31.1	19	Vijayapura	>90	17.7
5	Chikkaballapura	>90	29.7	20	Gadag	76.8	13
6	Tumakuru	>90	16.4	21	Haveri	>90	12.8
7	Chitradurga	70.9	16.4	22	Dharwad	88	13.4
8	Davanagere	>90	15.8	23	Shivamogga	>90	17.6
9	Chamarajanagara	>90	25.9	24	Hassan	>90	15
10	Mysuru	>90	15.9	25	Chikkamagaluru	>90	16.9
11	Mandya	>90	15	26	Kodagu	>90	23.3
12	Ballari	87.1	12.7	27	D.Kannada	>90	27.1
13	Koppala	88.4	15	28	Udupi	>90	21.8
14	Raichur	>90	21.5	29	Uttara Kannada	>90	14.7
15	Kalaburagi	>90	19	30	Yadgir	>90	16

