राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

**Friday 06 November 2020**
**MID-DAY**
**Time of Issue: 1200 hours IST**

# ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

## Significant Weather Features

♦ A cyclonic circulation lies over Comorin area & neighbourhood and a trough in easterlies runs from Lakshadweep-Maldives area to Karnataka coast in lower tropospheric levels. Under their influence:

**i)** Scattered to fairly widespread rainfall very likely over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe during next 3 days; isolated to scattered rainfall over Coastal & South Interior Karnataka, Lakshadweep, Andhra Pradesh during the same period.

**ii)** Isolated **heavy to very heavy rainfall** very likely over Tamilnadu on 06th & 08th and isolated heavy rainfall on 07th November, 2020. Isolated heavy rainfall also very likely over Kerala & Mahe on 06th November, 2020.

♦ Rainfall activity very likely to increase over Andaman & Nicobar Islands from 8th November, 2020 with possibility of isolated heavy falls over Andaman Islands on 9th November, 2020.

## Main Weather Observations

♦ **Rain/Thundershowers** observed (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Kerala & Mahe; **at many places** over South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; **at a few places** over Coastal Andhra Pradesh & Yanam; and **at isolated places** over Andaman & Nicobar Islands, Arunachal Pradesh, Gangetic West Bengal, Odisha and Rayalaseema.

♦ **Rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today) (2 cm or more): Kothagiri-12; Machilipatnam-11; Thiruchuli, Wynad, Dharamasthala & Bandipura-7 each; Suralacode, Rasipuram, Paramakudi, Rayagada, Coonoor & Tuticorin-6 each; Madurai-4; Kozhikode-3; Tondi, Atiramapattinam & Bangalore-2 each.

♦ **Heavy to very heavy rainfall** recorded at isolated places over Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at a few places over Kerala & Mahe and at isolated places over Coastal Andhra Pradesh & Yanam, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Maximum Temperature Departures as on 05-11-2020:** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over South Interior Karnataka and Tamilnadu, Puducherry & Karaikal; at isolated places over Coastal Karnataka; **above normal (1.6°C to 3.0°C)** at most places over Jharkhand, Rayalaseema and Lakshadweep; at many places over Punjab, Coastal Andhra Pradesh & Yanam and Kerala & Mahe; at a few places over Himachal Pradesh, Gangetic West Bengal, Odisha, Madhya Pradesh, Vidarbha, Telangana and Konkan & Goa; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarakhand, Rajasthan, Saurashtra & Kutch, North Interior Karnataka and Andaman & Nicobar Islands. They were **appreciably below normal (-3.1°C to -5.0°C)** at isolated places over East Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over Assam & Meghalaya; at isolated places over Haryana, Chandigarh & Delhi and West Uttar Pradesh and **near normal** over rest parts of the country. Yesterday, the **highest maximum** temperature of **37.0°C** was reported at **Bulsar (Gujarat Region).**

♦ **Minimum Temperature Departures as on 06-11-2020:** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at a few places over Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; at isolated places over Coastal Karnataka and Kerala & Mahe. They are **markedly below normal (-5.1°C or less)** at isolated places over East Rajasthan and Vidarbha; **appreciably below normal (-3.1°C to - 5.0°C)** at a few places over Gangetic West Bengal, Bihar, Haryana, Chandigarh & Delhi and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Chhattisgarh, Punjab and Marathwada; **below normal (-1.5°C to - 3.0°C)** at most places over Jharkhand and Uttar Pradesh; at many places over Madhya Maharashtra; at a few places over Sub-Himalayan West Bengal & Sikkim, Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, West Madhya Pradesh, Konkan & Goa, Telangana and North Interior Karnataka and **near normal** over rest parts of the country. **The lowest minimum temperature of 8.0°C** reported at **Una (Himachal Pradesh)** over the plains of the country.

## Meteorological Analysis (Based on 0830 hours IST)

♦ The cyclonic circulation over Gulf of Mannar & adjoining Sri Lanka now lies over Comorin area & neighbourhood and extends upto 0.9 km above mean sea level.

♦ The trough of Low at mean sea level now seen as a trough in easterlies from Lakshadweep-Maldives area to Karnataka coast and extends upto 0.9 km above mean sea level.

♦ The trough in westerlies now runs roughly along Long. 90°E to the north of Lat. 25°N with its axis at 3.1 km above mean sea level.

## Weather Forecast for next 5 days * upto 0830 hours IST of 11th November, 2020

♦ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.

♦ Gradual fall in minimum temperatures by 2-3°C very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Odisha and West Bengal during next 3-4 days. No significant change in minimum temperatures in rest parts of the country.

♦ Shallow to moderate fog very likely in isolated pockets over Odisha on 06th & 07th November, 2020.

## Weather Outlook for subsequent 2 days from 11th November, 2020 to 13th November, 2020.

♦ Isolated to scattered rainfall activity likely over Coastal Andhra Pradesh, Odisha, Rayalaseema, Tamilnadu, Kerala and islands. Dry weather likely over the remaining parts of the country.

## Weather Warning during next 5 days *

**06 November (Day 1):** ♦ **Heavy to very heavy rainfall** very likely at isolated places over Tamilnadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Kerala & Mahe.

♦ **Thunderstorm with lightning** very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & South Interior Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal and Lakshadweep.

**07 November (Day 2):** ♦ **Heavy rainfall** very likely at isolated places over Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning** very likely at isolated places over Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

**08 November (Day 3):** ♦ **Heavy to very heavy rainfall** very likely at isolated places over Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning** very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

**09 November (Day 4):** ♦ **Heavy rainfall** likely at isolated places over Andaman & Nicobar Islands.

♦ **Thunderstorm with lightning** likely at isolated places over Andaman & Nicobar Islands.

**10 November (Day 5):** ♦ **NIL.**

**Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC website for district wise warning.**

## Table-1

# 5 Day Rainfall Forecast (MID-DAY)

06-November-2020

| Met-Sub-Division | 06-Nov Today | 07Nov Sat | 08Nov Sun | 09Nov Mon | 10Nov Tue |
|---|---|---|---|---|---|
| 1. Andaman & Nicobar Islands | ISOL | ISOL | SCT | FWS | SCT |
| 2. Arunachal Pradesh | DRY | DRY | DRY | DRY | DRY |
| 3. Assam & Meghalaya | DRY | DRY | DRY | DRY | DRY |
| 4. N. M. M. & T. | DRY | DRY | DRY | DRY | DRY |
| 5. S.H. West Bengal & Sikkim | DRY | DRY | DRY | DRY | DRY |
| 6. Gangetic West Bengal | DRY | DRY | DRY | DRY | DRY |
| 7. Odisha | ISOL | DRY | DRY | DRY | DRY |
| 8. Jharkhand | DRY | DRY | DRY | DRY | DRY |
| 9. Bihar | DRY | DRY | DRY | DRY | DRY |
| 10. East Uttar Pradesh | DRY | DRY | DRY | DRY | DRY |
| 11. West Uttar Pradesh | DRY | DRY | DRY | DRY | DRY |
| 12. Uttarakhand | DRY | DRY | DRY | DRY | DRY |
| 13. Haryana, Chd & Delhi | DRY | DRY | DRY | DRY | DRY |
| 14. Punjab | DRY | DRY | DRY | DRY | DRY |
| 15. Himachal Pradesh | DRY | DRY | DRY | DRY | DRY |
| 16. J & K and Ladakh | DRY | DRY | DRY | DRY | DRY |
| 17. West Rajsthan | DRY | DRY | DRY | DRY | DRY |
| 18. East Rajasthan | DRY | DRY | DRY | DRY | DRY |
| 19. West Madhya Pradesh | DRY | DRY | DRY | DRY | DRY |
| 20. East Madhya Pradesh | DRY | DRY | DRY | DRY | DRY |
| 21. Gujarat Region | DRY | DRY | DRY | DRY | DRY |
| 22. Saurashtra & Kutch | DRY | DRY | DRY | DRY | DRY |
| 23. Konkan & Goa | DRY | DRY | DRY | DRY | DRY |
| 24. Madhya Maharashtra | DRY | DRY | DRY | DRY | DRY |
| 25. Marathawada | DRY | DRY | DRY | DRY | DRY |
| 26. Vidharbha | DRY | DRY | DRY | DRY | DRY |
| 27. Chhattisgarh | DRY | DRY | DRY | DRY | DRY |
| 28. Coastal A. P. & Yanam | ISOL | ISOL | ISOL | DRY | DRY |
| 29. Telangana | DRY | DRY | DRY | DRY | DRY |
| 30. Rayalaseema | ISOL | ISOL | DRY | DRY | DRY |
| 31. T.N.,Puducherry & Karaikal | FWS | FWS | FWS | ISOL | ISOL |
| 32. Coastal Karnataka | ISOL | ISOL | ISOL | DRY | DRY |
| 33. North Interior Karnataka | DRY | DRY | DRY | DRY | DRY |
| 34. South Interior Karnataka | SCT | ISOL | ISOL | DRY | DRY |
| 35. Kerala & Mahe | FWS | SCT | SCT | ISOL | ISOL |
| 36. Lakshadweep | FWS | SCT | SCT | DRY | DRY |

### % Station Reporting Rainfall

| % Stations | Category | % Stations | Category |
|---|---|---|---|
| 76-100 | Widespread (WS/Most Places) | 26-50 | Scattered (SCT/ A Few Places) |
| 51-75 | Fairly Widespred (FWS/ Many Places) | 1-25 | Isolated (ISOL) |
| No Rain | Dry | | |

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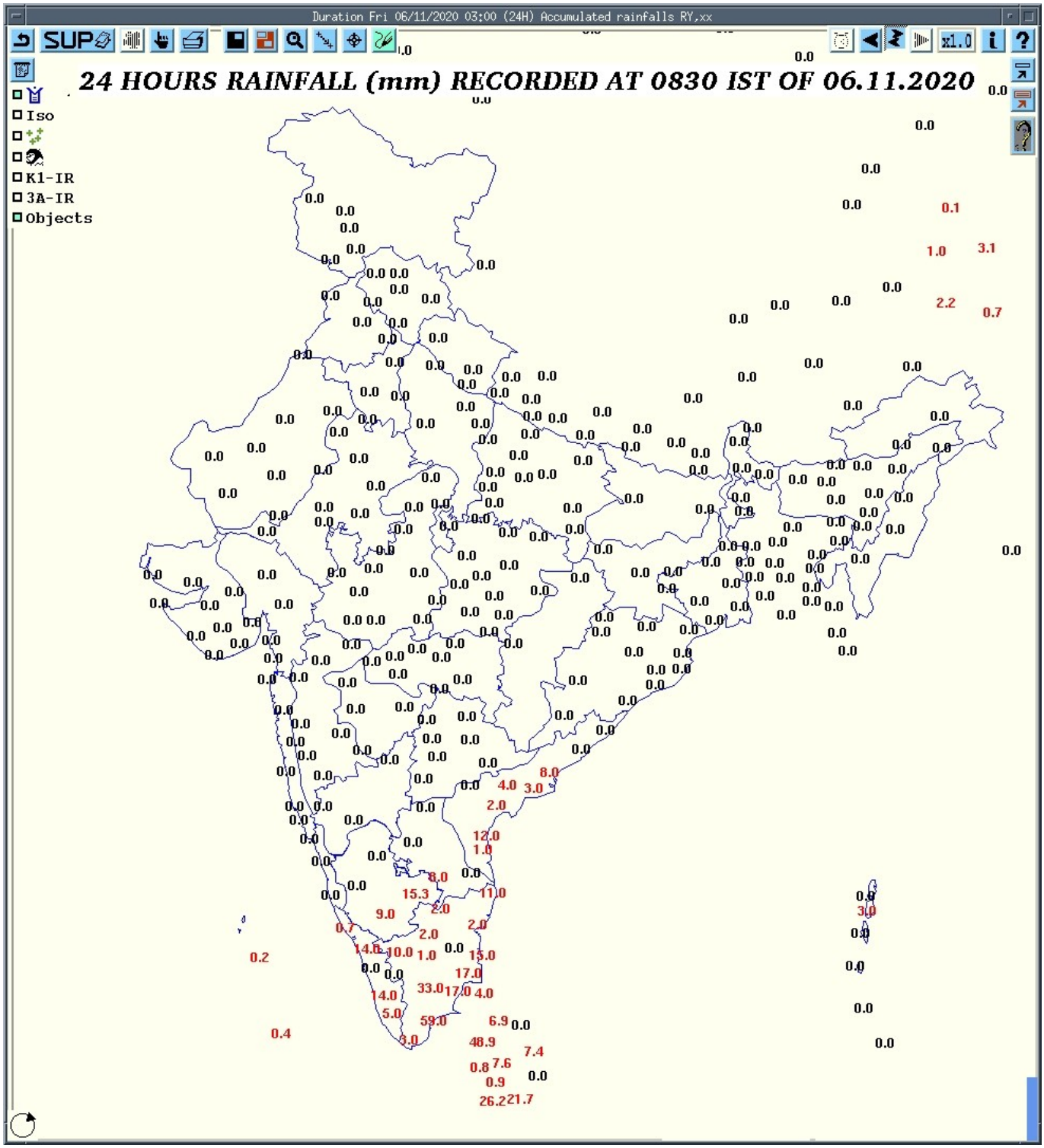
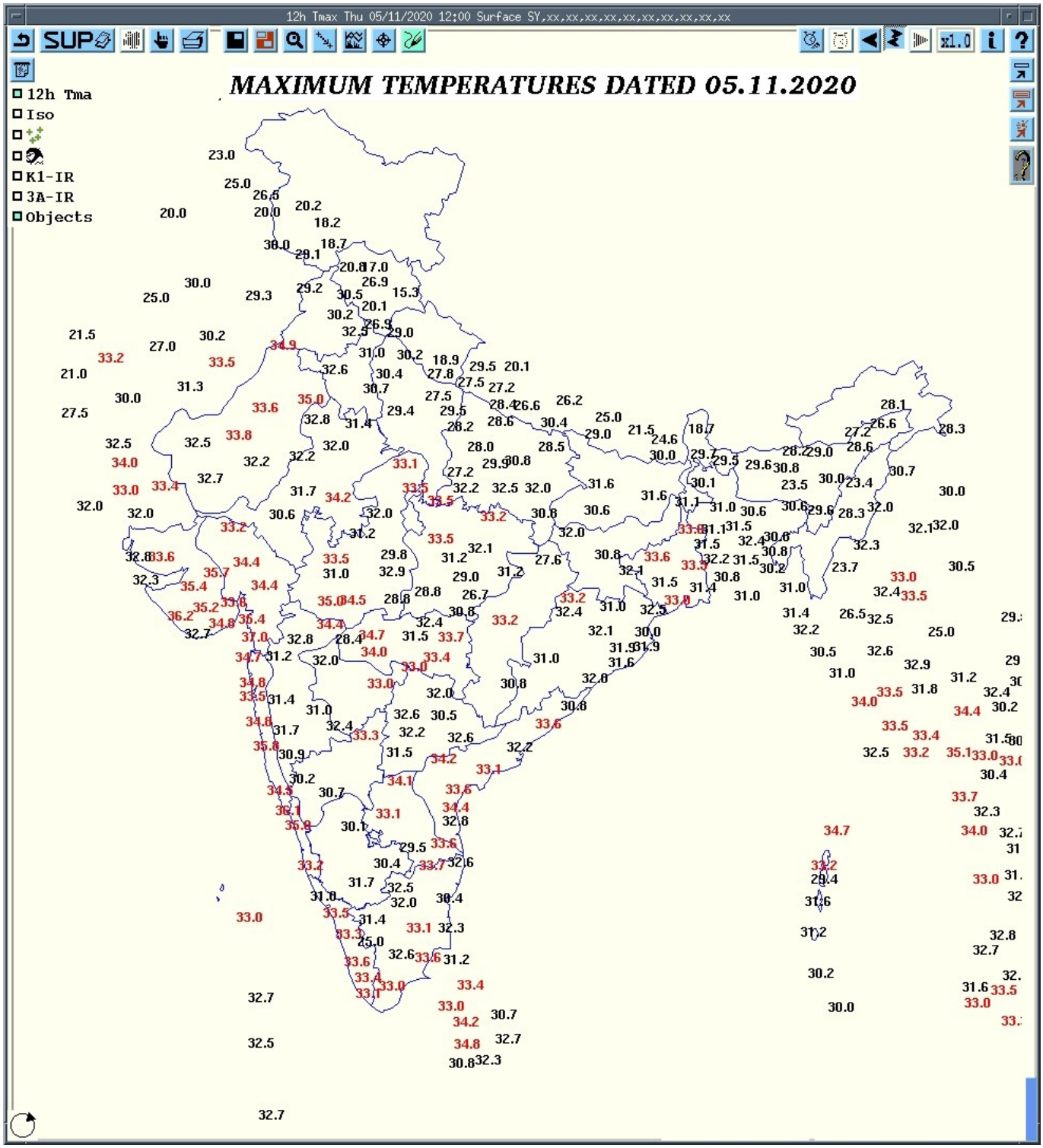
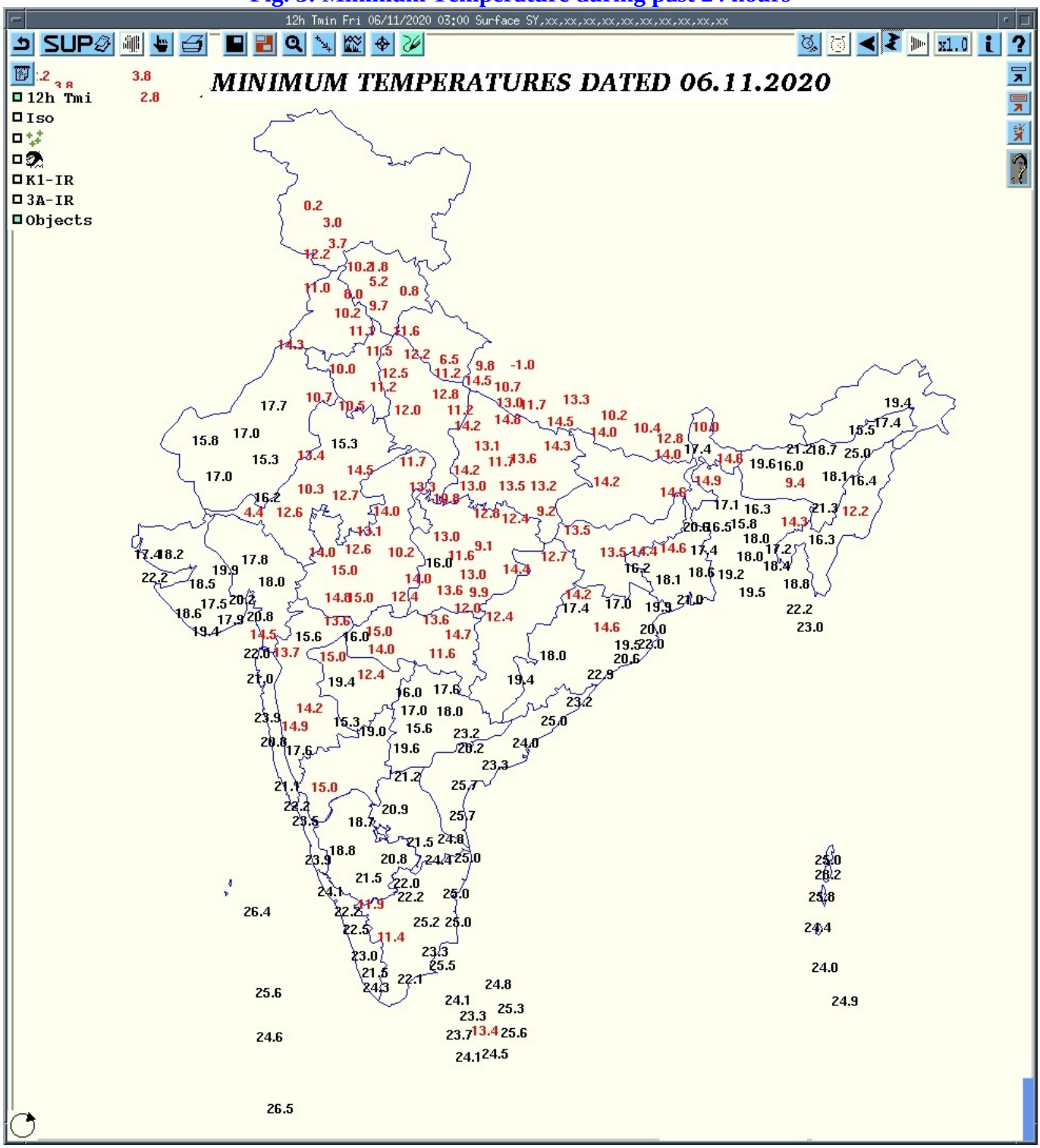
## Fig. 1: Accumulated Rainfall (mm) during past 24 hours



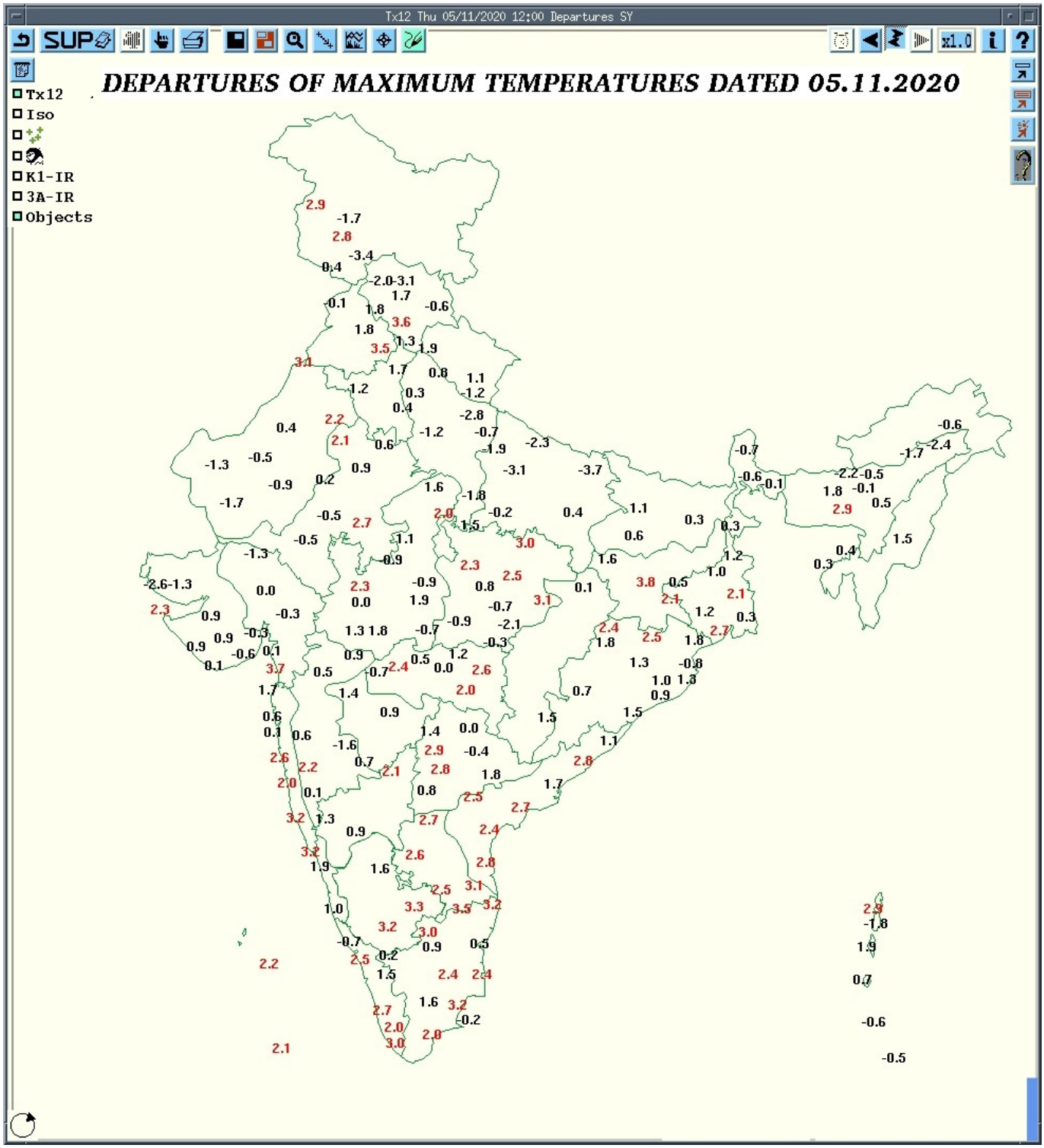
## Fig. 2: Maximum Temperature during past 24 hours



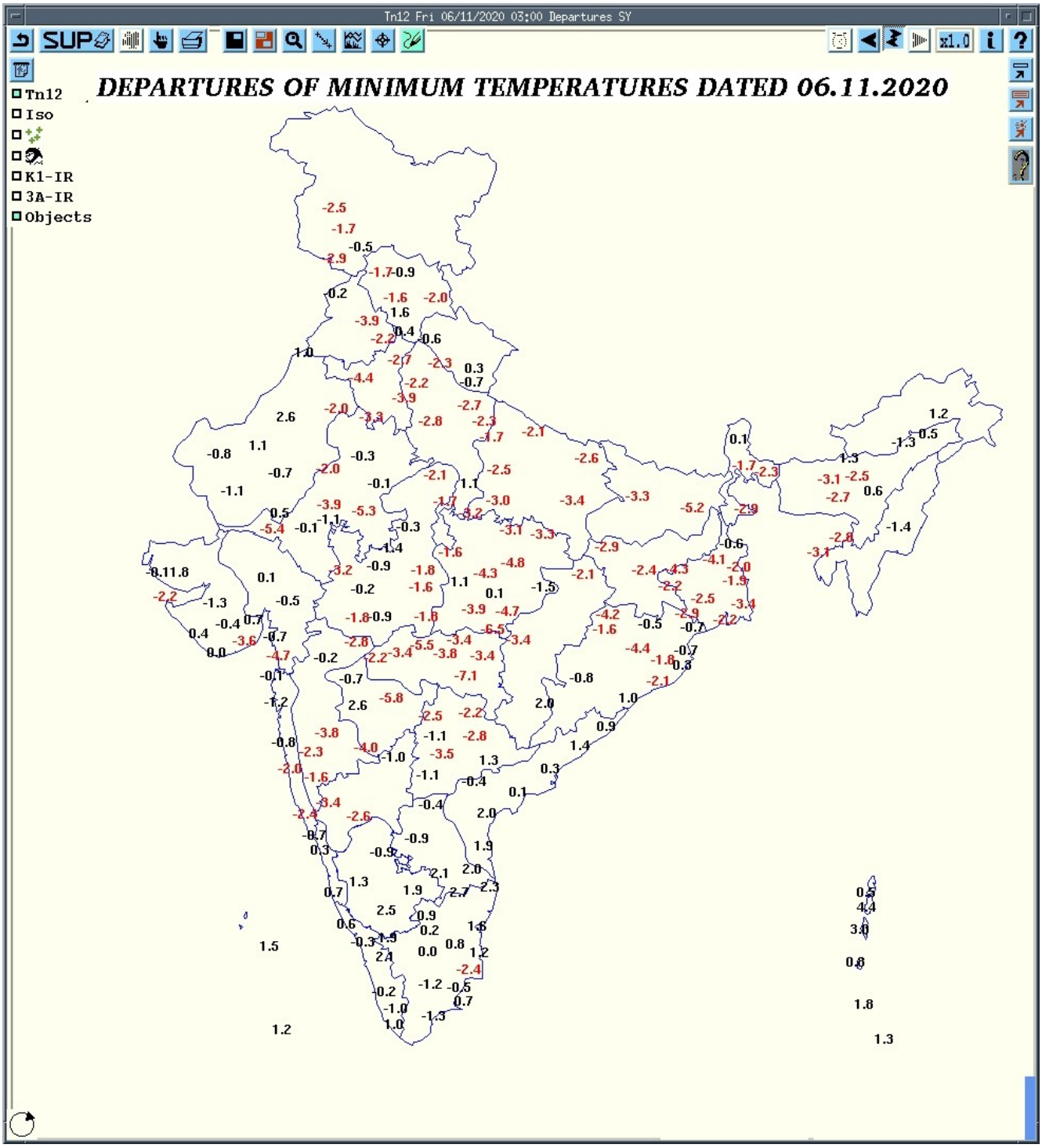
## Fig. 3: Minimum Temperature during past 24 hours



## Fig. 4 : Departure from Normal of Maximum Temperatures



## Fig. 5 : Departure from Normal of Minimum Temperatures



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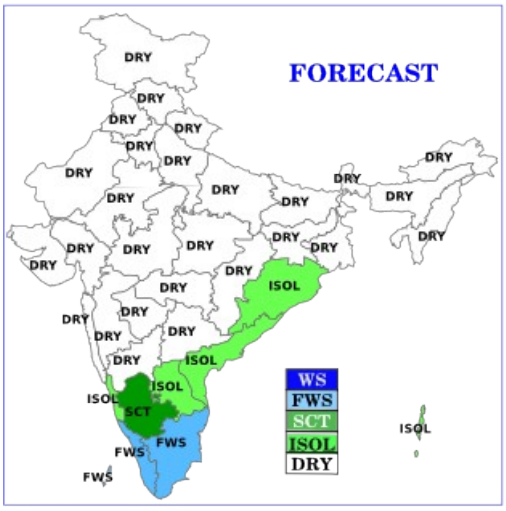
# Friday 06 November 2020





**06 November (Day 1):** ♦ **Heavy to very heavy rainfall** very likely at isolated places over Tamilnadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Kerala & Mahe.

♦ **Thunderstorm with lightning** very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & South Interior Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal and Lakshadweep.

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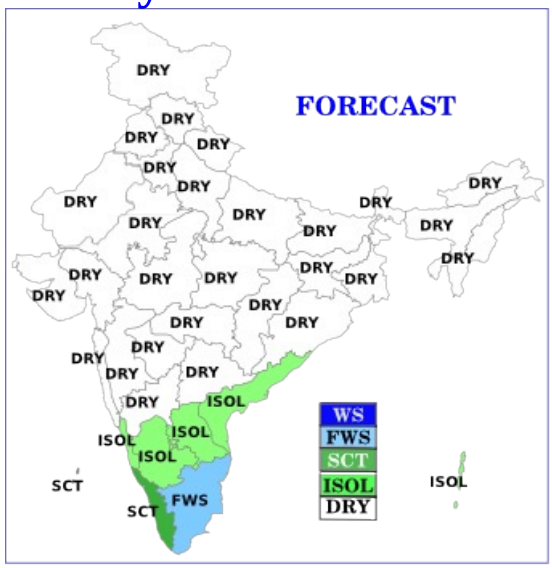
# Saturday 07 November 2020





**07 November (Day 2):** ♦ **Heavy rainfall** very likely at isolated places over Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning** very likely at isolated places over Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

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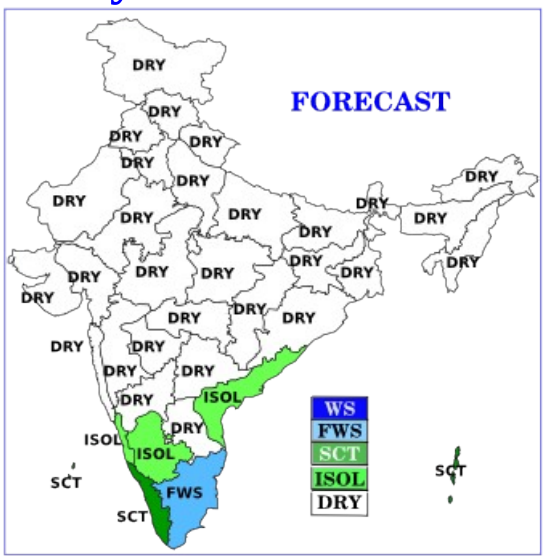
# Sunday 08 November 2020





**08 November (Day 3): ♦ Heavy to very heavy rainfall** very likely at isolated places over Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning** very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

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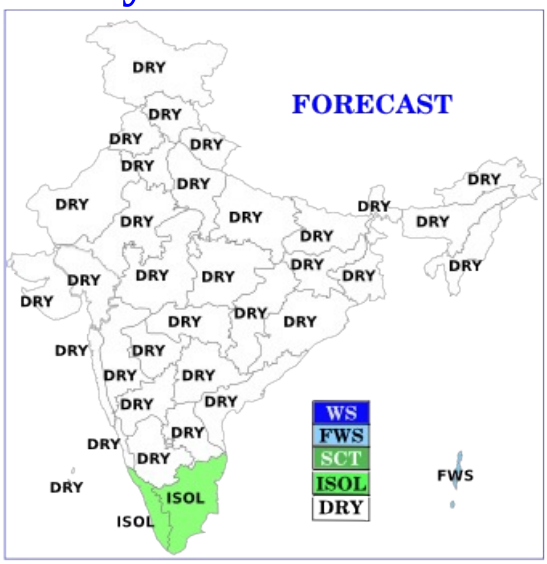
# Monday 09 November 2020





**09 November (Day 4):** ♦ **Heavy rainfall** likely at isolated places over Andaman & Nicobar Islands.

♦ **Thunderstorm with lightning** likely at isolated places over Andaman & Nicobar Islands.

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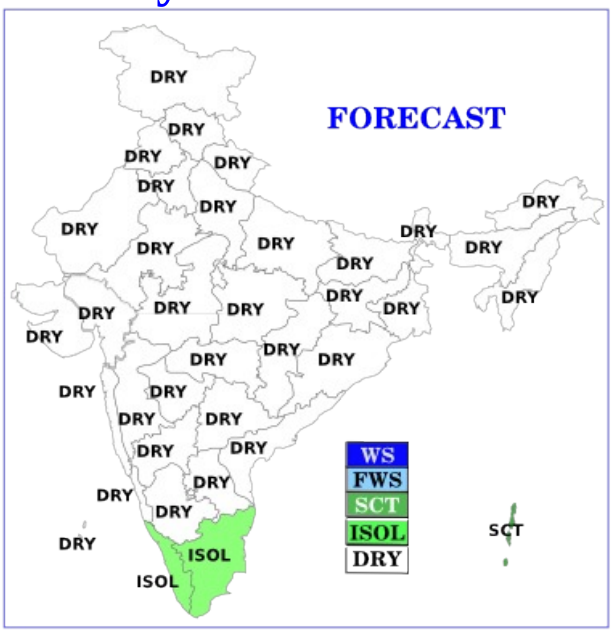
# Tuesday 10 November 2020





**10 November (Day 5): ♦ NIL.**

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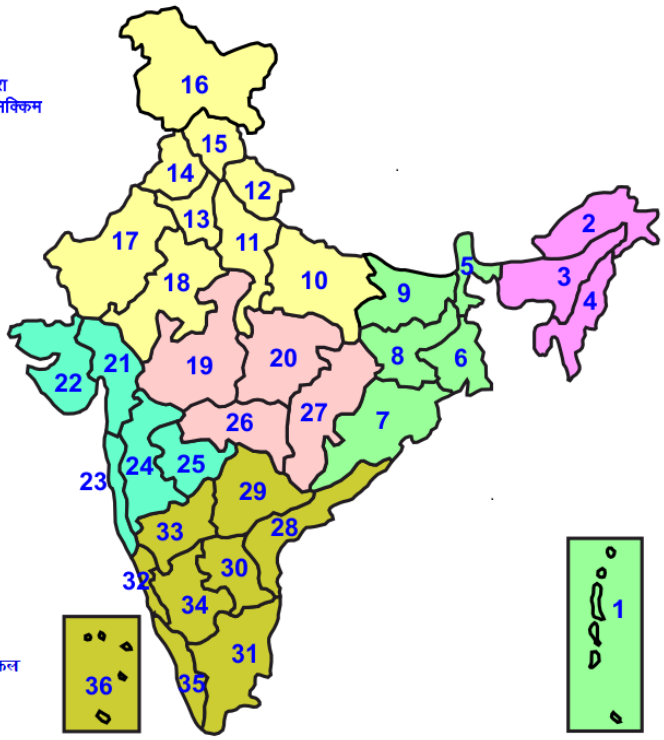
# LEGENDS

1 अंडमान और निकोबार द्वीप समुह
2 अरुणाचल प्रदेश
3 असम और मेघालय
4 नागालेंड मनीपुर मीजोरम और त्रिपुरा
5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
6 पश्चिम गांगेय बंगाल
7 ओडिसा
8 झारखडं
9 बिहार
10 पूर्वी उत्तर प्रदेश
11 पश्चिम उत्तर प्रदेश
12 उत्तराखंड
13 हरियाणा चंडिगढ़ एंवम् दिल्ली
14 पंजाब
15 हिमाचल प्रदेश
16 जम्मू एवंम कश्मीर एवंम लद्दाख
17 पश्चिम राजस्थान
18 पूर्वी राजस्थान
19 पश्चिम मध्य प्रदेश
20 पूर्वी मध्य प्रदेश
21 गुजरात क्षेत्र
22 सौराष्ट्र एंवम् कच्छ
23 कॉकण एंवम् गोवा
24 मध्य महाराष्ट्र
25 मराठावाडा
26 विदर्भ
27 छत्तीसगढ़
28 तटीय आंध्र प्रदेश एवं यनम
29 तेलंगाना
30 रायलसीमा
31 तमिलनाडु ,पुदुचेरी एवंम कराईकल
32 तटिय कर्नाटक
33 आंतरिक उत्तरी कर्नाटक
34 आंतरिक दक्षिणी कर्नाटक
35 केरल एवंम माहे
36 लक्षद्वीप




1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajsthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
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29. Telangana
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31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

## SPATIAL DISTRIBUTION (% of Stations reporting)

| % Stations | Category | % Stations | Category |
|---|---|---|---|
| 76-100 | Widespread (WS/Most Places) | 26-50 | Scattered (SCT/ A Few Places) |
| 51-75 | Fairly Widespred (FWS/ Many Places) | 1-25 | Isolated (ISOL) |

## WARNING

| |
|---|
| WARNING (TAKE ACTION) |
| ALERT ( BE PREPARED) |
| WATCH (BE UPDATED) |
| NO WARNING ( NO ACTION) |

## Probabilistic Forecast

| Terms | Probability of Occurrence (%) |
|---|---|
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |

Heavy Rain
Heavy Snow
Thunderstorm
Dust Storm
Strong Winds
Visibility
Cyclone
Squall/ Hail
Frost
Cold Wave
Heat Wave
Sea State

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पृथ्वी विज्ञान मंत्रालय

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# LEGENDS

## WARNING

| |
|---|
| WARNING (TAKE ACTION) |
| ALERT ( BE PREPARED) |
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| NO WARNING ( NO ACTION) |

## Probabilistic Forecast

| Terms | Probability of Occurrence (%) |
|---|---|
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |

### Rain/ Snow *

- **Heavy:** 64.5 to 115.5 mm/cm *
- **Very Heavy:** 115.6 to 204.4 mm/cm*
- **Extremely Heavy:** > 204.4 mm/cm *

### Heat Wave

**When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions**

**(a) Based on Departure from normal**

- **Heat Wave:** Maximum Temperature Departure from normal 4.5° C to 6.4° C.
- **Severe Heat Wave:** Maximum Temperature Departure from normal ≥6.5° C

**(b). Based on Actual maximum temperature**

- **Heat Wave:** When actual maximum temperature ≥45°C.
- **Severe Heat Wave:** When actual maximum temperature ≥47°C

**( c). Criteria for heat wave for coastal stations**

When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C

### Warm Night

**When maximum temperature remains 40°C**

- **Warm Night:** When minimum temperature departure 4.5 °C to 6.4 °C.
- **Severe Warm Night:** When minimum temperature departure >6.4 °C.

### Cold Wave

**When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions.**

**(a). Based on departure**

- **Cold Wave:** Minimum Temperature Departure from normal -4.5 °C to -6.4 °C.
- **Severe Cold Wave:** Minimum Temperature Departure from normal ≥ -6.5 °C

**(b) Based on actual Minimum Temperature (for Plains only)**

- **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C
- **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C

**( c) For Coastal Stations**

When Minimum Temperature departure is ≤-4.5 °C or actual Minimum Temperature is ≤ 15 °C

### Cold Day

**When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions**

**Based on departure**

- **Cold Day:** Maximum Temperature Departure from normal -4.5 °C to -6.4 °C.
- **Severe Cold Day:** Maximum Temperature Departure from normal ≤ -6.5 °C

### Fog

**Phenomenon of small droplets suspended in air and the horizontal visibility < 1km**

- **Moderate Fog:** When the visibility between 500-200 metres
- **Dense Fog:** when the visibility between 50- 200 metres
- **Very Dense Fog:** when the visibility < 50 metres

### Thunderstorm

**Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)**

### Dust/Sand Storm

**An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.**

### Frost

**Ice deposits on ground**

- Air temperature ≤4°C ( over Plains)

### Squall

**A strong wind that rises suddenly, lasts for atleast 1 minute.**

- **Moderate**: Wind speed 52-61 kmph
- **Severe**: Wind speed 62-87 kmph
- **Very Severe**: Wind speed >87 kmph

### Sea State

**Effect of various waves in the sea over specific area**

- **Rough to very rough**: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
- **High to very high**: Wind speed 63-117 kmph ( 34-63 knots) & Wave height 6-14 metre
- **Phenomenal**: Wind speed >117 kmph (>63 knots) & Wave height >14 metre

### Cyclone

- **Cyclonic Storm**: Wind speed 62-87 kmph (34-47 knots)
- **Severe Cyclonic Storm**: Wind speed 88-117 kmph (48-63 knots)
- **Very Severe Cyclonic Storm**: Wind speed 118-165 kmph (64 - 89 knots)
- **Extremely Severe Cyclonic Storm**: Wind speed 166-220 kmph (90 -119 knots)
- **Super Cyclone Strom**: Wind speed >220 kmph (>119 knots)

*** Red color warning does not mean "Red Alert" Red color warning means "Take Action".**

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

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