



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 15th November, 2021
Time of Issue: 1315 hrs IST

Subject: Low Pressure Area over north Andaman Sea & likely formation of another Low Pressure Area over east-central Arabian Sea off south Maharashtra coast.

(Rainfall realised during past 24 hours ending at 0830 hrs IST of today)

(Annexure I)

Weather Systems:

- ◆ A **Low Pressure Area** lies over north Andaman Sea & neighbourhood. It is likely to move west-northwestwards and become well marked over Eastcentral & adjoining Southeast Bay of Bengal during next 48 hours. Thereafter it is likely to continue to move nearly westwards and reach Westcentral & adjoining Southwest Bay of Bengal off south Andhra Pradesh- north Tamilnadu coasts on 18th November 2021.
- ◆ A cyclonic circulation lies over eastcentral & adjoining southeast Arabian Sea off Karnataka-north Kerala coasts and extends upto mid tropospheric level. Under its influence, a **Low Pressure Area** is likely to form over Eastcentral Arabian Sea off south Maharashtra coasts during next 24 hours. It is likely to move west-northwestwards and become more marked during the subsequent 48 hours.
- ◆ A trough runs from the above cyclonic circulation over eastcentral & adjoining southeast Arabian Sea off Karnataka- north Kerala coasts to north Konkan across south Maharashtra-Goa coasts at 0.9 km above mean sea level.
- ◆ Another trough runs from the cyclonic circulation over eastcentral & adjoining southeast Arabian sea to southwest Bay of Bengal across north Kerala. It is likely to persist during next 2 days.

Forecast and Warning

Rainfall warning:

15th Nov.: Light to moderate rainfall at most places with **heavy rainfall** at isolated places very likely over Andaman & Nicobar Islands, **heavy to very heavy rainfall** at isolated places over coastal & South Interior Karnataka & adjoining north Kerala, Tamilnadu, Puducherry & Karaikal and heavy falls at isolated places over south Coastal Andhra Pradesh, Rayalaseema and south Konkan & Goa.

16th Nov.: Light to moderate rainfall at most places with **heavy rainfall at isolated places** very likely over Andaman & Nicobar Islands, coastal & South Interior Karnataka & adjoining north Kerala, Tamilnadu, Puducherry & Karaikal, south Coastal Andhra Pradesh and south Konkan & Goa.

17th Nov.: Light to moderate rainfall at most places **with heavy to very heavy rainfall at isolated places** very likely over south coastal Andhra Pradesh and north coastal Tamil Nadu and **heavy rainfall** at isolated places over Coastal & south Interior Karnataka and Rayalaseema.

18th Nov.: Light to moderate rainfall at most places **with heavy to very heavy rainfall at isolated places** very likely over south coastal Andhra Pradesh and north coastal Tamil Nadu and **heavy rainfall** at isolated places over Coastal & south Interior Karnataka, Telangana and Rayalaseema.

19th Nov.: Light to moderate rainfall at most places **with heavy rainfall at isolated places** very likely over south coastal Andhra Pradesh and north coastal Tamil Nadu and Coastal & south Interior Karnataka. **(Annexure II).**

(i) Wind warning:

- Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over Andaman Sea & adjoining southeast Bay of Bengal on 15th, over east-central & adjoining southeast Bay of Bengal during 16th – 17th November and over west-central & adjoining southwest Bay of Bengal and along & off south Andhra Pradesh – north Tamil Nadu coasts on 18th November 2021.
- Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over east-central & adjoining southeast Arabian Sea along & off Karnataka – north Kerala coasts on 16th, over east-central Arabian Sea along & off Goa – south Maharashtra coasts on 16th & 17th and over east-central Arabian Sea along & off Maharashtra coast on 18th November 2021.

(ii) Sea condition:

- Sea condition will be rough to very rough over Andaman Sea & adjoining southeast Bay of Bengal on 15th, over east-central & adjoining southeast Bay of Bengal during 16th – 17th November and over west-central & adjoining southwest Bay of Bengal and along & off south Andhra Pradesh – north Tamil Nadu coasts on 18th November 2021.
- Sea condition will be rough to very rough also over east-central & adjoining southeast Arabian Sea along & off Karnataka – north Kerala coasts on 16th, over east-central Arabian Sea along & off Goa – south Maharashtra coasts on 16th & 17th and over east-central Arabian Sea along & off Maharashtra coast on 18th November 2021.

(iv) Fishermen Warning:

- Fishermen are advised not to venture into Andaman Sea & adjoining southeast Bay of Bengal on 15th, east-central & adjoining southeast Bay of Bengal during 16th – 17th

November and into west-central & adjoining southwest Bay of Bengal and along & off south Andhra Pradesh – north Tamil Nadu coasts on 18th November 2021.

- Fishermen are advised not to venture into east-central & adjoining southeast Arabian Sea along & off Karnataka – north Kerala coasts on 16th, east-central Arabian Sea along & off Goa – south Maharashtra coasts on 16th & 17th and into east-central Arabian Sea along & off Maharashtra coast on 18th November 2021.

(Annexure III).

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

EXPECTED IMPACT & ACTION SUGGESTED due to Isolated very heavy Rainfall over Coastal & South Interior Karnataka, Kerala & Mahe and south Tamilnadu on 15th and over south Coastal Andhra Pradesh and north coastal Tamilnadu on 17th & 18th November, 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

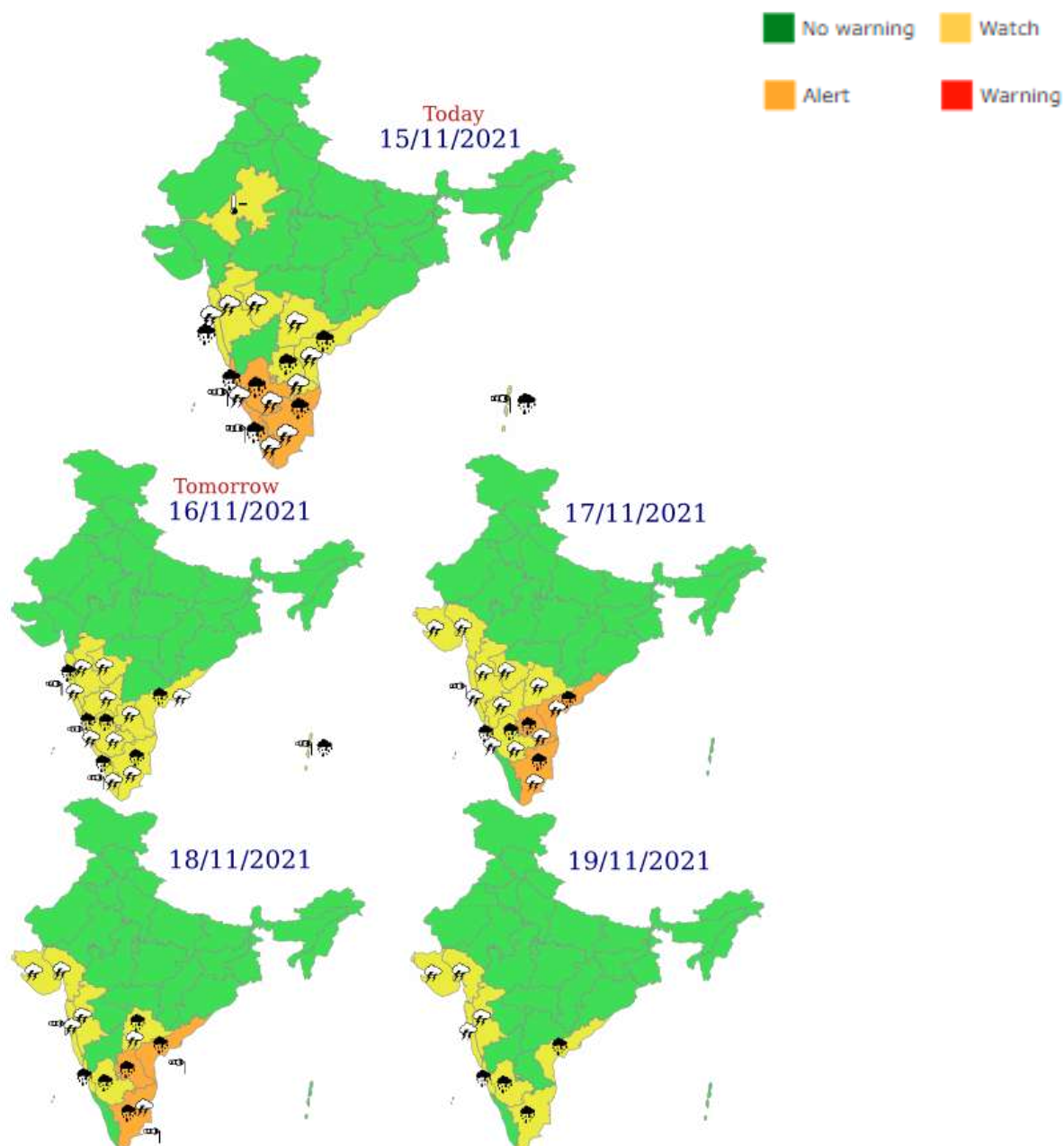
B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Rainfall realised (cm) during past 24 hours ending at 0830 hrs IST of today:

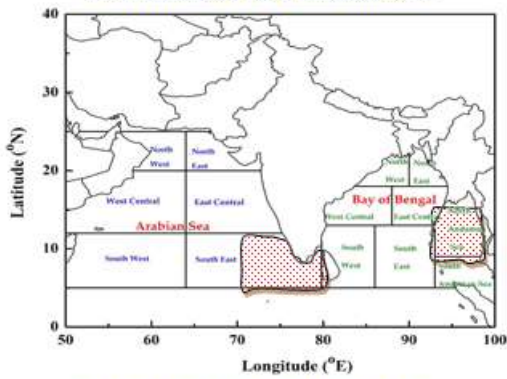
Coastal Karnataka: Dakshina Kannada: Mulki-19, Mudubidre-13, Dharmasthala-9, **Udupi:** Kota-11, Karkala-10; **South Interior Karnataka:** Shivamoga: Arasalu-14, Bhadravathi-9, Shivamoga, Tyagarthi-8 each, Holalur, Navile-7 each; **Kerala & Mahe:** **Kollam:** Punalur-12, West Kallada-10; **Kasargode:** Hosdurg-10; **Pathanamthitta:** Konni-8; **Thiruvananthapuram:** Nedumangad-7; **Alapuzha:** Kayamkulam-10, Mavelikara-9; **Cannur:** Taliparamba, Cheruthazham-7 each; **Tamilnadu:** **Kanyakumari:** **Cuddalore:** Vepur-8, Pechiparai, Suralacode-7 each; **Vilupuram:** Vilupuram-7; **Coastal Andhra Pradesh:** **Prakasam:** Kandukur-9; **Telangana:** Hanamkonda-8

Annexure II

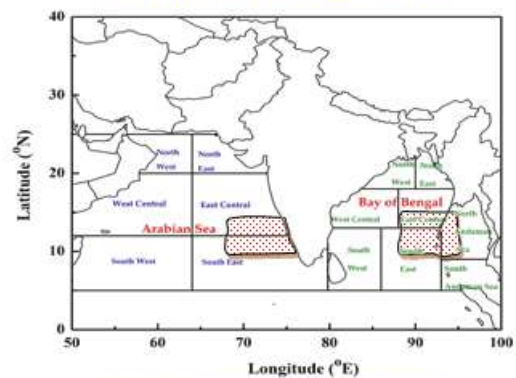


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

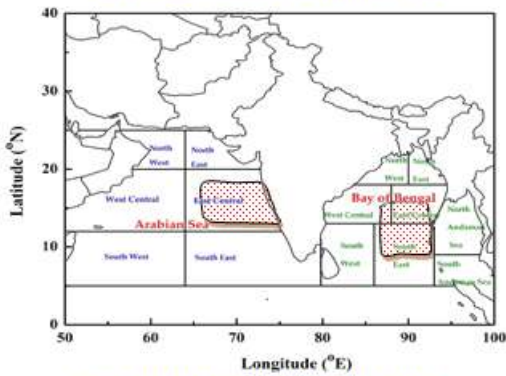
DAY-1: 15.11.2021/0600 UTC TO 16.11.2021/0600 UTC



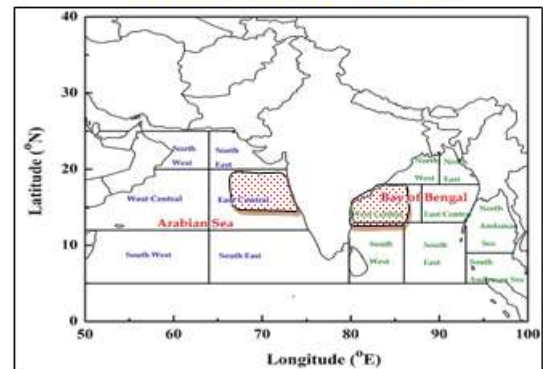
DAY-2: 16.11.2021/0600 UTC TO 17.11.2021/0600 UTC



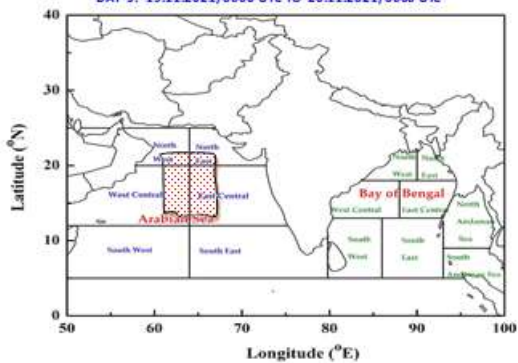
DAY-3: 17.11.2021/0600 UTC TO 18.11.2021/0600 UTC




DAY-4: 18.11.2021/0600 UTC TO 19.11.2021/0600 UTC



DAY-5: 19.11.2021/0600 UTC TO 20.11.2021/0600 UTC



AREA UNDER FISHERMEN WARNING

-  40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
-  45-55 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
-  55-65 KMPH GUSTING TO 70 KMPH (STRONG WIND)

Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain** > 204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and 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 Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



Heavy Rain



Strong Winds



Thunderstorm with Lightning

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