



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 03rd December, 2021
Time of Issue: 1345 hrs IST**

Subject:

(i) A Cyclonic Storm “JAWAD” (Pronounces as JOWAD), formed over westcentral Bay of Bengal at 1130 hours IST of today, the 03rd December, 2021. It is very likely to reach westcentral Bay of Bengal off north Andhra Pradesh-south Odisha coasts by tomorrow, the 04th December morning.

(ii) A fresh Wet Spell over Western Himalayan Region & adjoining plains of Northwest India during 04th to 06th December.

Significant Rainfall during past 24 hours recorded at 0830 hrs IST of today: (Annexure I.)

(i) A Cyclonic Storm “JAWAD”, formed over westcentral Bay of Bengal at 1130 hours IST of today, the 03rd December, 2021. It is very likely to reach westcentral Bay of Bengal off north Andhra Pradesh-south Odisha coasts by tomorrow, the 04th December morning.

The Deep Depression over westcentral Bay of Bengal moved north-northwestwards with a speed of 25 kmph during past 06 hours, intensified further into Cyclonic Storm ‘JAWAD’(Pronounces as JOWAD) and lay centered at 1130 hrs IST of today, the 3rd December 2021, over westcentral of Bengal near Lat. 14.5°N and Long. 85.5°E, about 420 km south-southeast of Vishakhapatnam (Andhra Pradesh), 530 km south-southeast of Gopalpur (Odisha) and 650 km south-southwest of Paradip (Odisha).

It is likely to move northwestwards and reach west-central Bay of Bengal off north Andhra Pradesh – south Odisha coasts by tomorrow, the 4th December morning. Thereafter it is likely to recurve north-northeastwards and move along Odisha coast reaching near Puri around 5th December noon. Thereafter it is likely to continue to move north-northeastwards towards West Bengal coast.

Rainfall warning:

3rd Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places over north coastal Andhra Pradesh and south coastal Odisha.

4th Dec.: Light to moderate rainfall at most places with heavy to very heavy rainfall & extremely heavy falls at isolated places very likely over south coastal Odisha and north coastal Andhra Pradesh and heavy to very heavy rainfall at isolated places over north coastal Odisha & adjoining interior districts and also over coastal districts of Gangetic west Bengal.

5th Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places likely over Gangetic West Bengal & north Odisha and heavy rainfall at isolated places over Assam & Meghalaya, Mizoram and Tripura.

6th Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places likely over Assam & Meghalaya, Mizoram and Tripura and heavy rainfall at isolated places over west Bengal.

Wind warning

- Squally wind speed reaching 55-65 kmph gusting to 75 kmph over westcentral and adjoining southeast & eastcentral Bay of Bengal during next 06 hours.
- Gale winds speed reaching 70-80 kmph gusting to 90 kmph likely to prevail over westcentral & adjoining northwest Bay of Bengal from today evening and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the evening of 4th December for the subsequent 12 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence along & off North Andhra Pradesh – Odisha coasts from the mid-night of today, the 3rd December and increase gradually becoming 80-90 kmph gusting to 100 kmph from 4th evening, for the subsequent 12 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph also likely to commence along & off West Bengal coast from 4th December evening and become Gale wind speed reaching 60-70 kmph gusting to 80 kmph from the morning of 5th December for the subsequent 12 hours.

Sea condition

- Sea condition will be rough to very rough over westcentral and adjoining southeast & eastcentral Bay of Bengal during next 6 hours.
- Sea condition would be High over central Bay of Bengal from the afternoon of today, the 3rd December for subsequent 12 hours and High to very High over west-central & northwest Bay of Bengal from the early morning of 4th December for the subsequent 24 hours.
- Sea condition will be rough to very rough over along & off North Andhra Pradesh – Odisha coast from the mid-night of 3rd December and become High to very High from 4th Afternoon, for the subsequent 12 hours.
- It will be rough to very rough along & off West Bengal coast from 4th morning and very rough to High from the same evening for the subsequent 12 hours.

Fishermen Warning

Fishermen are advised not to venture into westcentral and adjoining southeast & eastcentral Bay of Bengal on 3rd December, over west-central & northwest Bay of Bengal and along & off north Andhra Pradesh - Odisha- West Bengal coasts during 3rd - 5th December 2021 (Graphics enclosed).

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along north Andhra Pradesh, Odisha & West Bengal coasts are advised to be judiciously regulated on 3rd December and to be suspended on 4th & 5th December 2021, to ensure safety of life & property.

(ii) A fresh Wet Spell over Western Himalayan Region and adjoining plains of Northwest India during 04th to 06th December.

- The Western Disturbance now seen as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 70°E to the north of Lat. 15°N. Under its influence, light isolated rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand; and light isolated rainfall over Punjab, Haryana, Chandigarh & Uttar Pradesh on today, the 03rd December, 2021.
- Another Western Disturbance likely to affect Northwest India from the night of tomorrow, the 04th December. It is very likely to cause scattered to fairly widespread rainfall/snowfall very likely over Jammu- Kashmir- Ladakh- Gilgit- Baltistan- Muzaffarabad, Himachal Pradesh and Uttarakhand during 04th to 06th December. Isolated light rainfall very likely over Punjab, Haryana, Chandigarh, Delhi and West Uttar Pradesh on 05th December.

For more details refer:

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

https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_e71398_SPECIAL%20MESSAGE%20dated%2030-11-21.pdf

EXPECTED IMPACT & ACTION SUGGESTED due to;

- I. Isolated **Extremely Heavy Rainfall** over Odisha and north Coastal Andhra Pradesh on 04th December.
- II. **Very Heavy Rainfall** over north Coastal Andhra Pradesh on 03rd December; over Gangetic West Bengal 04th & 05th; over Odisha on 03rd & 05th ; over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 06th December, 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 affected 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 kutchra 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)

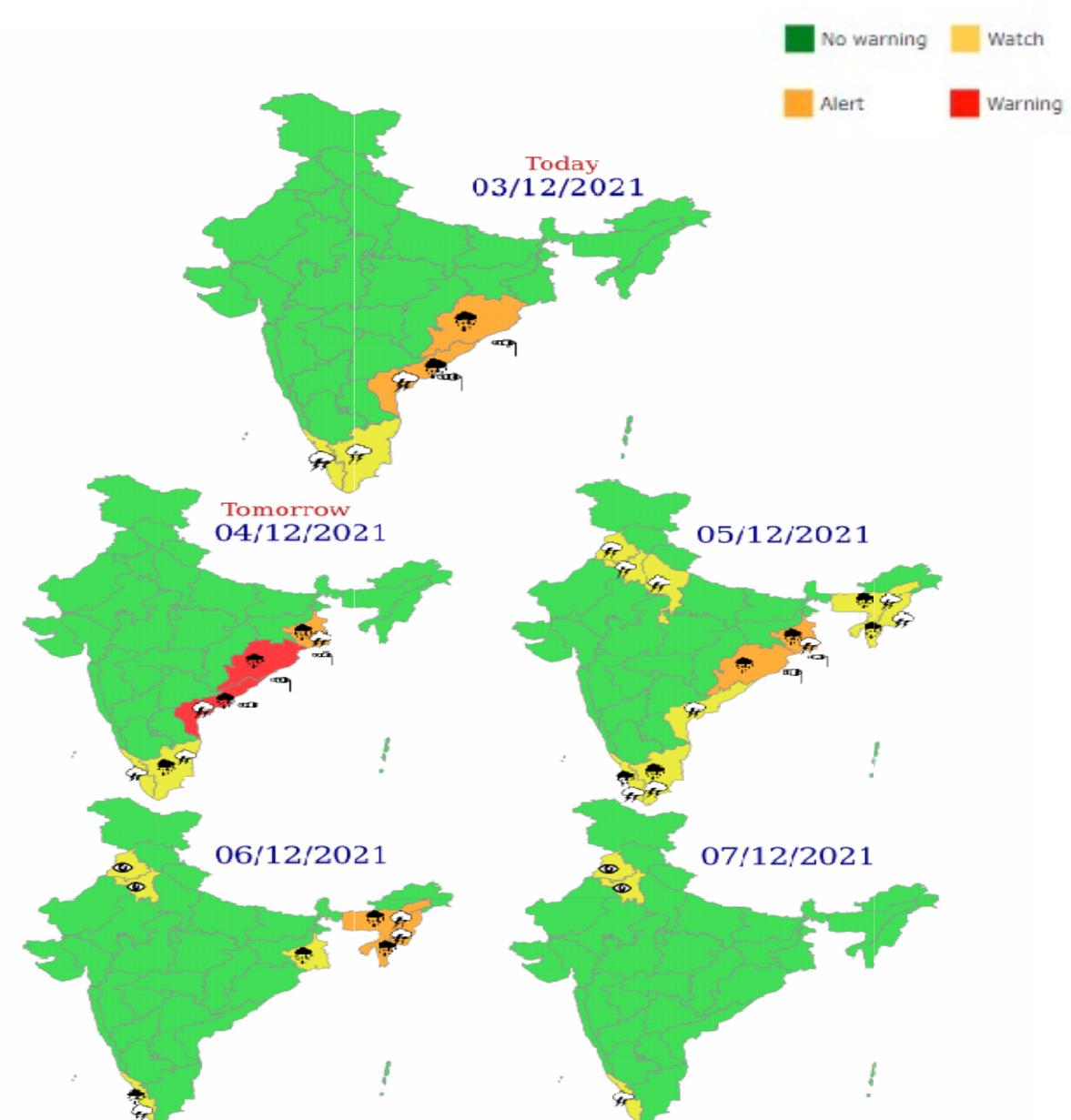
B. Action Suggested

- 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.
- Harvest the ripen crops like Paddy & Horticultural crops and also secure the harvested crops securely from the damage due to rain and strong winds

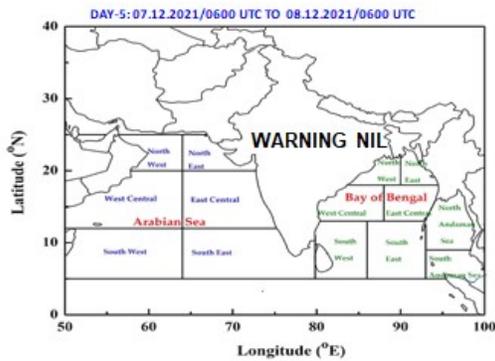
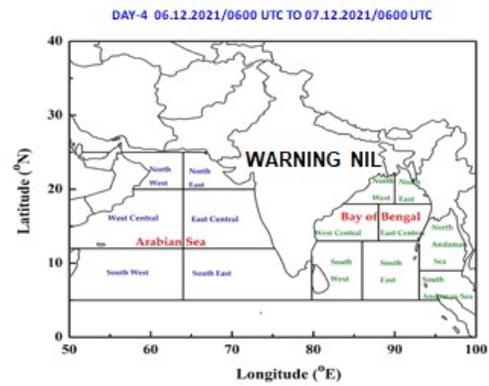
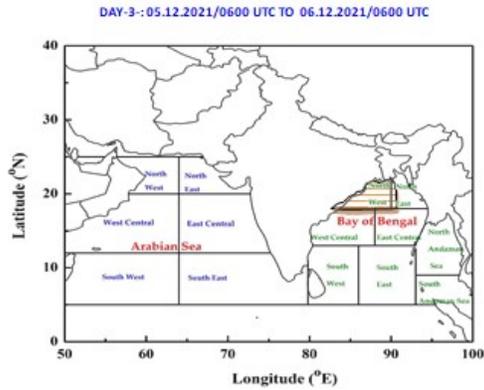
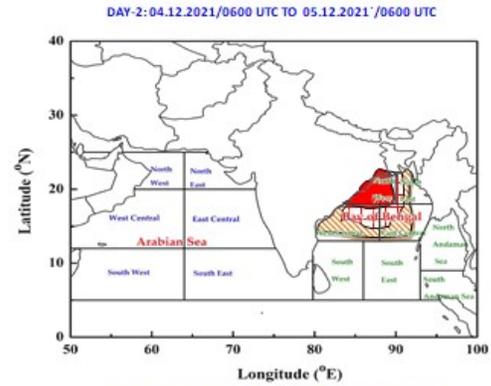
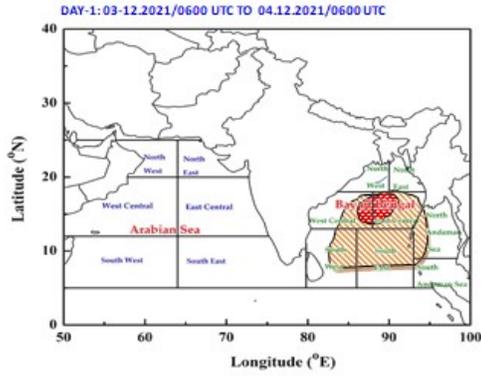
Significant amount of Rainfall (from 0830 hrs IST of yesterday to 0830 hours IST of today)
(7 cm or more):

- **Tamilnadu:** **Tenkasi:** Ayikudi-8, Sivagiri-6; **Tirunelveli:** Cheranmahadevi-7, Ambasamudram-4; **Virudhunagar:** Srivilliputhur-7; **Kanyakumari:** Kanyakumari-6, Kottaram, Nagercoil, Suralacode-4 each
- **Andaman & Nicobar Islands:** Port Blair-5; Long Island and Maya Bandar-4
- **Konkan & Goa:** **Sindhudurg:** Vaibhavwadi-6, Vengurla-5
- **Kerala:** **Pathanamthitta:** Seethathode-6, **Palakkad:** Chittur-4
- **Gujarat Region:** **Vadodara:** Dabhoi-4

(Annexure II)



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



AREA UNDER FISHERMEN WARNING

-  40-50 KMPH G TO 60 KMPH (SQ.WEATHER)
-  45-55 KMPH GUSTING TO 65 KMPH
-  50-60 KMPH G TO 70 KMPH
-  60-70 KMPH G TO 80 KMPH
-  70-80 KMPH G TO 90 KMPH
-  80-90 KMPH G TO 95 KMPH
-  90-100 KMPH G TO 110 KMPH

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



Visibility/Fog

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 |