



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

**Press Release
Date: 09th May, 2022
Time of Issue: 1300 hrs IST**

Subject:

- i) Severe Cyclonic Storm 'ASANI' over Westcentral & adjoining south Bay of Bengal**
- ii) Fresh spell of Heat wave conditions likely to commence over Northwest & Central India from 09th May, 2022.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 08/05/2022) were **42-45°C** over most parts of Vidarbha, West Madhya Pradesh, Rajasthan; in isolated pockets over Gujarat state and **40-42°C** over most parts of East Madhya Pradesh, north Madhya Maharashtra, Marathawada; in some parts of south Haryana, Rayalaseema and in isolated pockets of Punjab, south Uttar Pradesh, Jharkhand, Chhattisgarh, Telangana and interior parts of Odisha.
- ✓ **Heat Wave conditions observed** in many parts of West Rajasthan.
- ✓ **Chief amount of rainfall (in cm): Coastal Andhra Pradesh:** Vishakhapatnam: Narsipatnam-9, **Bihar:** Muzaffarpur-9, Supaul-8; **Tripura:** Zunhoboto-8; **Andaman-Nicobar Islands:** Long Island-6, **Tamilnadu:** Nilgiris: Uthagamandalam-6, Erode: Perundurai-5, Coimbatore: Pollachi-5; **Assam:** Silchar-6
- ✓ Isolated **heavy rainfall** observed over Tripura, Bihar and Coastal Andhra Pradesh.
- ✓ **Thundersquall** reported at isolated places over Andaman Islands.

Maximum Temperature forecast and Heat Wave warning:

- ✓ Rise in maximum temperatures by 2-3°C very likely over south Punjab, south Haryana-Delhi, Rajasthan and north Madhya Pradesh during next 4 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.

Heat wave conditions:

Heat Wave conditions very likely in isolated/some pockets over:

- ✓ Rajasthan during 09th-13th May with isolated **severe heat wave conditions over West Rajasthan** during 10th-12th May
- ✓ Gujarat state on 09th & 10th May
- ✓ Vidarbha & Madhya Pradesh during 09th-13th May
- ✓ south Haryana & south Punjab during 10th-13th May and over Delhi during 11th-13th May, 2022.

Weather System:

Yesterday's **cyclonic storm 'Asani' (pronounced as Asani)** over Southeast Bay of Bengal intensified into a Severe Cyclonic Storm over the same region at 1730 hrs IST of 08th May. It moved nearly west-northwestwards with speed of 25 kmph during past 06 hours and lay centred at 0830 hours IST of today, the 09th May, over Westcentral & adjoining south Bay of Bengal near latitude 14.0°N and longitude

86.0°E, about 920 km northwest of Car Nicobar (Nicobar Islands), 770 km west-northwest of Port Blair (Andaman Islands), 500 km southeast of Visakhapatnam (Andhra Pradesh) and 650 km south of Puri (Odisha).

It is very likely to move northwestwards till 10th May and reach Westcentral and adjoining Northwest Bay of Bengal off North Andhra Pradesh & Odisha coasts. Thereafter, it is very likely to recurve north-northeastwards and move towards Northwest Bay of Bengal off Odisha coast. It is likely to weaken gradually into a Cyclonic Storm during next 48 hours.

Warnings associated with Severe Cyclonic Storm 'Asani':

(i) Rainfall (warning graphics enclosed)

9th May: Rainfall at a few places is very likely over coastal Andhra Pradesh.

10th May: Light to moderate rainfall at a few places with **heavy to very heavy rainfall** at isolated places is likely over coastal Andhra Pradesh and **heavy rainfall** at isolated places is likely over coastal Odisha from 10th evening.

11th May: Light to moderate rainfall at a few places with **heavy to very heavy rainfall** at isolated places is likely over coastal areas of north Andhra Pradesh and **heavy rainfall** at isolated places is likely over coastal Odisha & adjoining coastal West Bengal.

12th May: Light to moderate rainfall likely at a few places with **heavy rainfall** at isolated places is likely over coastal areas of Odisha and West Bengal.

(ii) Wind warning

➤ **9th May:** Gale wind, speed reaching 100-110 kmph gusting to 120 kmph prevailing over Westcentral and adjoining South Bay of Bengal. It would gradually decrease becoming 90-100 kmph gusting to 110 kmph over Westcentral Bay of Bengal.

➤ **10th May:** Gale wind speed reaching 85-95 kmph gusting to 105 kmph is likely to prevail around the system center over Westcentral Bay of Bengal. It would gradually decrease becoming 70-80 kmph gusting to 90 kmph over Westcentral and adjoining Northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off north Andhra Pradesh coast.

➤ **11th May:** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over Westcentral and adjoining northwest Bay of Bengal. It would gradually decrease becoming 60-70 kmph gusting to 80 kmph over northwest and adjoining Westcentral Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off north Andhra Pradesh and adjoining Odisha coasts.

➤ **12th May:** Gale wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over northwest Bay of Bengal. It would gradually decrease becoming 40-50 kmph gusting to 60 kmph from evening. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off Odisha coast.

(iii) Sea condition

• **9th May:** Very High Sea condition is likely to prevail over Westcentral and adjoining South Bay of Bengal.

• **10th May:** Very High Sea condition is likely to prevail over Westcentral & adjoining Northwest Bay of Bengal.

• **11th May:** Sea condition is likely to become high to very high over Northwest and adjoining Westcentral Bay of Bengal.

• **12th May:** Sea condition is likely to become high to very rough over Northwest Bay of Bengal and improve thereafter.

(iv) Fishermen Warning (Graphics enclosed)

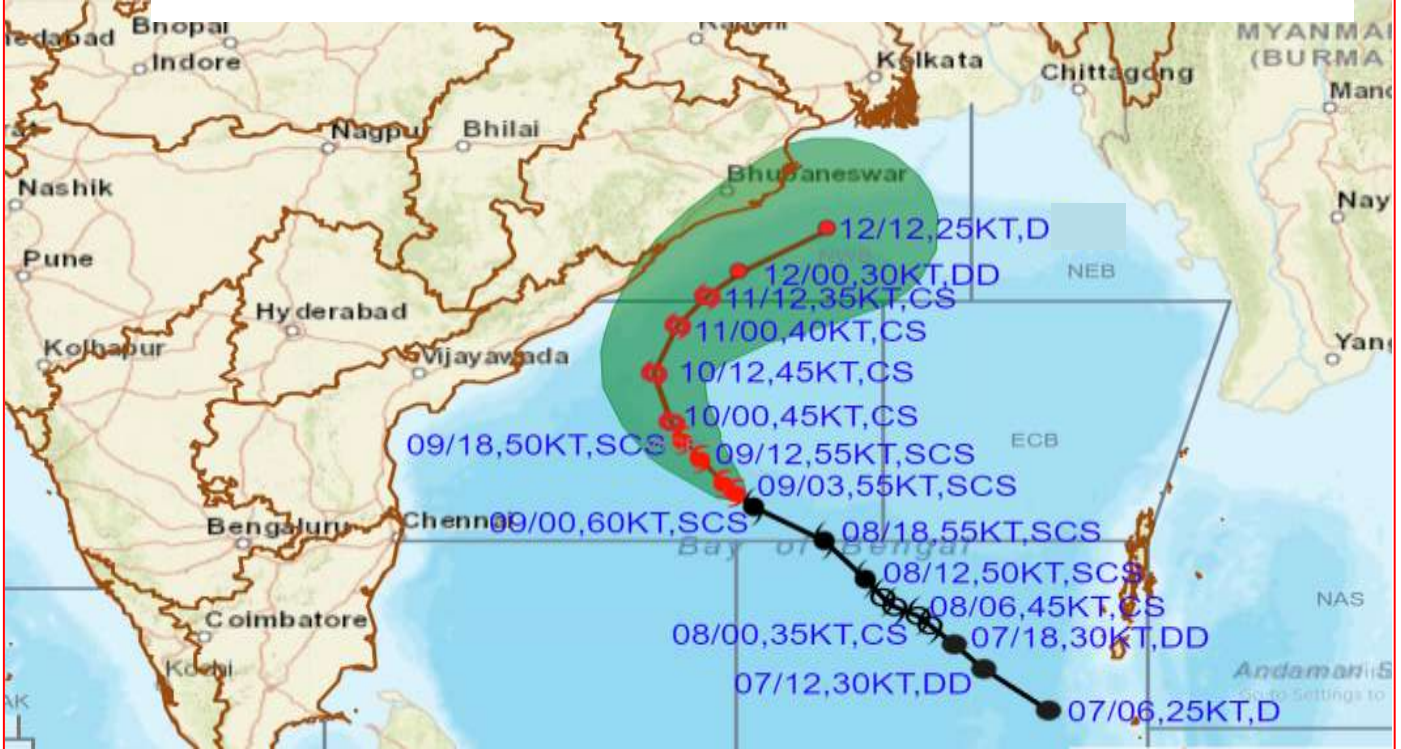
- Fishermen are advised not to venture into Westcentral and adjoining South Bay of Bengal on 9th May, into westcentral Bay of Bengal on 9th & 10th and into Northwest Bay of Bengal during 10th to 12th May.
- Fishermen out at sea are advised to return to coast.

Rainfall/thunderstorm Forecast & Warnings:

- Fairly widespread to widespread light/moderate rainfall with thunderstorm/lightning/gusty winds very likely over Northeast India during next 5 days. Isolated **heavy falls** very likely over Arunachal Pradesh & Assam-Meghalaya during 10th-13th and over Nagaland-Manipur-Mizoram-Tripura during 09th-13th May. Isolated **very heavy rainfall** also likely over Assam-Meghalaya during 11th-13th May.
- Scattered to fairly widespread light/moderate rainfall very likely over Kerala-Mahe, Lakshadweep, Coastal Andhra Pradesh and Coastal & South Interior Karnataka and isolated to scattered rainfall activity over Telangana, Rayalaseema, North Interior Karnataka & Tamilnadu, Puducherry & Karaikal during next 5 days. Isolated thunderstorm/lightning/gusty winds over the region during next 2 days. Isolated **heavy rainfall** likely over Tamilnadu and Kerala on 09th May.



FORECAST TRACK AND INTENSITY OF SEVERE CYCLONIC STORM 'ASANI' ALONGWITH CONE OF UNCERTAINTY OVER WESTCENTRAL AND ADJOINING SOUTH BAY OF BENGAL BASED ON 0300 UTC OF 9TH MAY 2022



DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (≥20 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

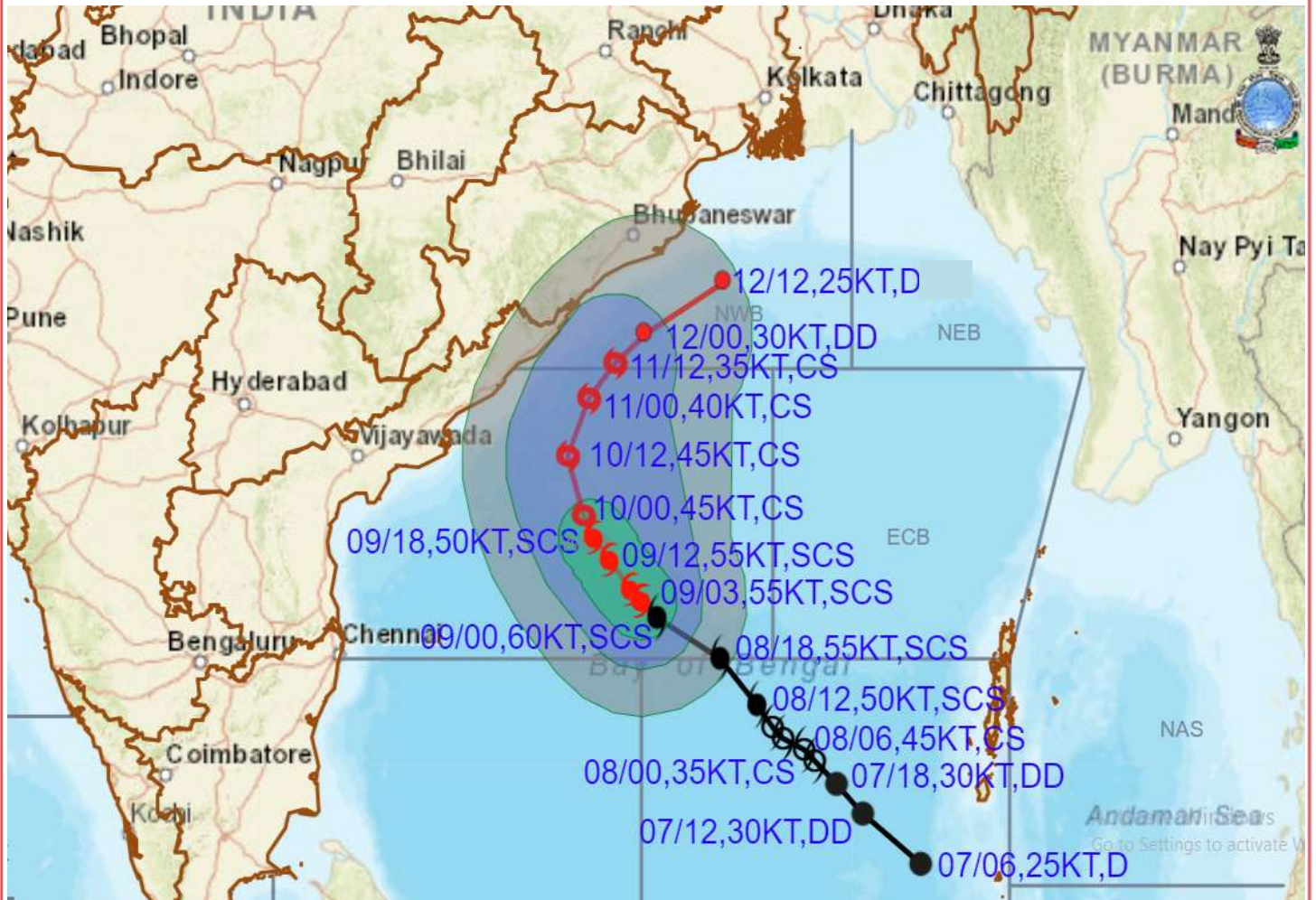
| STATIONS | DISTANCE(KM) AND DIRECTION FROM STATIONS | | |
|----------------|--|---------------|---------------|
| | 10.05.22/0000 | 11.05.22/0000 | 12.05.22/0000 |
| CAR NICOBAR | 1120,NW | 1260,NW | 1270,NW |
| PORT BLAIR | 950,WNW | 1050,NW | 1040,NW |
| VISHAKHAPATNAM | 300,SE | 190,E | 310,ENE |
| PURI | 480,S | 270,SSW | 130,SSE |

| Forecast distance (km) and direction of the centre from nearest 5 coastal stations | | | | | | | | |
|--|-------------|------|------|-----------------------|-------------------------|------------------------|-------------------------|--------------------|
| Forecast Date and Time | Lead Period | Lat | Lon | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 09.05.22/0300 | 0 | 14.0 | 86.0 | WALTAIR (502,SE) | VISHAKHAPATNAM (505,SE) | KAKINADA (521,SE) | KALINGAPATAM (522,SSE) | TUNI (525,SE) |
| 10.05.22/0000 | 21 | 15.5 | 84.9 | WALTAIR (297,SE) | VISHAKHAPATNAM (300,SE) | TUNI (325,SE) | KALINGAPATAM (326,SSE) | KAKINADA (328,ESE) |
| 11.05.22/0000 | 45 | 17.5 | 85.0 | KALINGAPATAM (131,SE) | WALTAIR (182,E) | VISHAKHAPATNAM (182,E) | GOPALPUR (197,S) | TUNI (261,E) |
| 12.05.22/0000 | 69 | 18.6 | 86.1 | PURI (137,SSE) | GOPALPUR (148,ESE) | BHUBANESHWAR (186,S) | PARADIP (CWR) (199,SSW) | CUTTACK (209,S) |

N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST



FORECAST TRACK AND INTENSITY ALONGWITH QUADRANT WIND DISTRIBUTION SEVERE CYCLONIC STORM 'ASANI' OVER WESTCENTRAL AND ADJOINING SOUTH BAY OF BENGAL BASED ON 0300 UTC OF 9TH MAY 2022



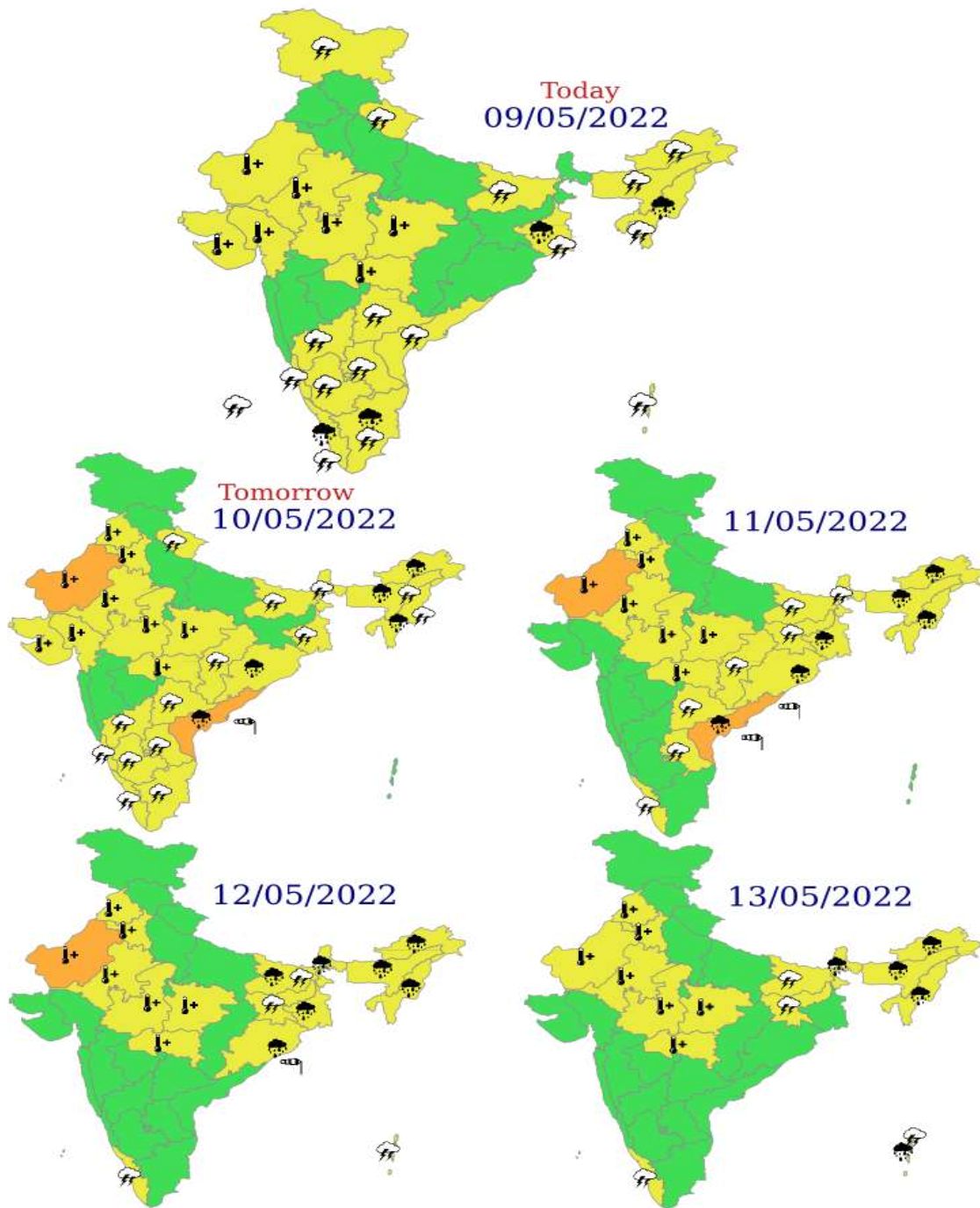
DATE/TIME IN UTC
IST=UTC + 0530

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WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
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CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥20 KT)

● LESS THAN 34 KT
○ 34-47 KT
● ≥ 48 KT
— OBSERVED TRACK
— FORECAST TRACK
● CONE OF UNCERTAINTY
AREA OF MAXIMUM SUSTAINED WIND SPEED:
■ 28-33 KT (52-61 KMPH)
■ 34-49 KT (62-91 KMPH)
■ 50-63 KT (92-117 KMPH)
■ ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

| MSW (knot/kmph) | Impact | Action |
|-----------------|------------------------|--|
| 28-33 (52-61) | Very rough seas | Total suspension of fishing operations |
| 34-49 (62-91) | High to very high seas | Total suspension of fishing operations |
| 50-63 (92-117) | Very high seas | Total suspension of fishing operations |
| ≥ 64 (≥118) | Phenomenal | Total suspension of fishing operations |

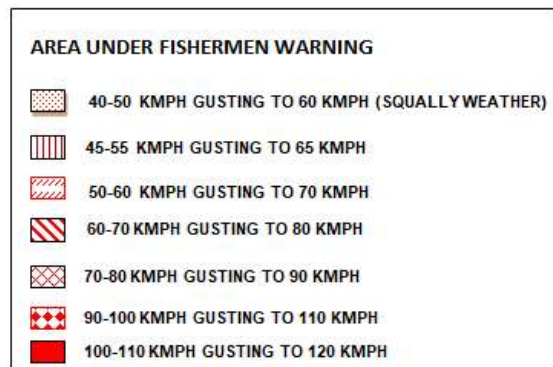
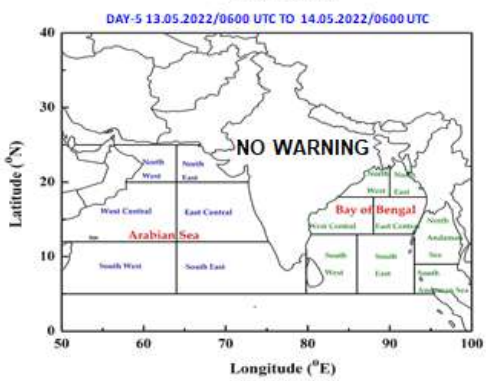
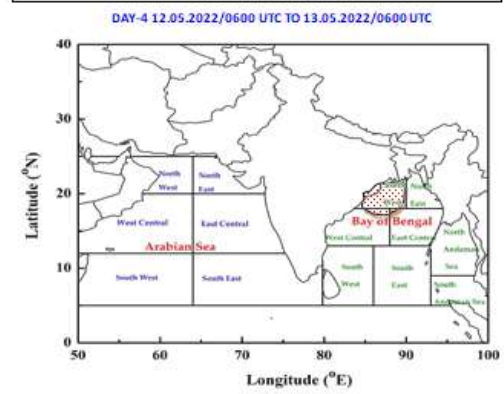
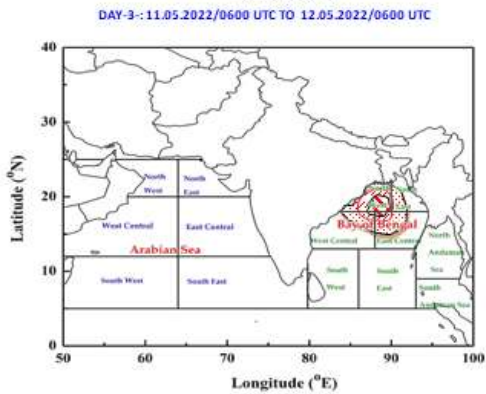
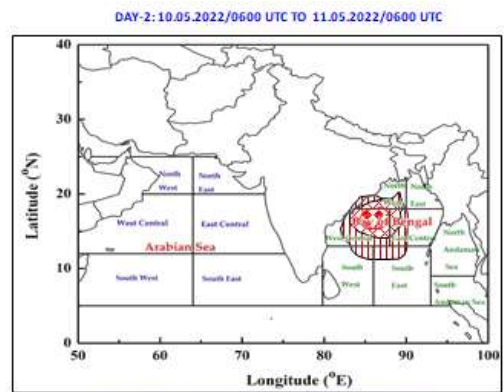
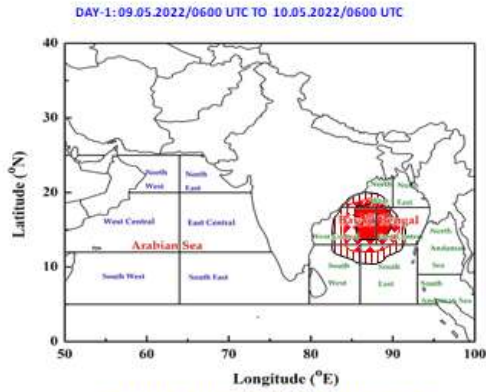


WARNING

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

-  Heavy Rain
-  Strong Winds

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



Fishermen Warning Graphics

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:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and 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

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 |



Thunderstorm with Lightning



Heat Wave