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Ministry of Home Affairs
Disaster Management Division
(National Emergency Response Centre)

Advisory-13
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Dated 23 November'2020

Fax Message

To : Chief Secretary, Kerala, Odisha, Andhra Pradesh, Tamilnadu, Telangana, Andaman & Nicobar Islands, West Bengal and Puducherry
Info : Relief Commissioner, Kerala, Odisha, Andhra Pradesh, Tamilnadu, Telangana, Andaman & Nicobar Islands, West Bengal and Puducherry
From : NERC, Ministry of Home Affairs, New Delhi

Sub: (1) Depression intensified into a Deep Depression over southwest Bay of Bengal—(Cyclone Alert for Tamilnadu and Puducherry coasts- Yellow Message)
(2) Deep Depression over Gulf of Aden and adjoining Somalia

(1) Depression intensified into a Deep Depression over southwest Bay of Bengal—(Cyclone Alert for Tamilnadu and Puducherry coasts- Yellow Message)

The Depression over southwest and adjoining southeast Bay of Bengal moved west-northwestwards with a speed of 14 kmph during past 06 hours, intensified into a Deep Depression and lay centred at 1730 hrs IST of today, the 23rd November, 2020 over southwest Bay of Bengal near latitude 9.9°N and longitude 83.3°E, about 450 km east-southeast of Puducherry and 480 km southeast of Chennai. It is very likely to intensify into a cyclonic storm during next 12 hours and into a Severe Cyclonic Storm during subsequent 24 hours. It is very likely to move northwestwards and cross Tamil Nadu and Puducherry coasts between Karaikal and Mamallapuram around Puducherry during 25th November 2020 evening as a severe cyclonic storm with a wind speed of 100-110 kmph gusting to 120 kmph.

Forecast track and intensity are given below:

| Date/Time(IST) | Position (Lat. °N/long. °E) | Maximum sustained surface wind speed (Kmph) | Category of cyclonic disturbance |
|-----------------------|--|--|---|
| 23.11.20/1730 | 9.9/83.3 | 50-60 gusting to 70 | Deep Depression |
| 23.11.20/2330 | 10.1/82.8 | 55-65 gusting to 75 | Deep Depression |
| 24.11.20/0530 | 10.3/82.3 | 65-75 gusting to 85 | Cyclonic Storm |
| 24.11.20/1130 | 10.5/81.9 | 75-85 gusting to 95 | Cyclonic Storm |
| 24.11.20/1730 | 10.7/81.5 | 90-100 gusting to 110 | Severe Cyclonic Storm |
| 25.11.20/0530 | 11.3/80.7 | 100-110 gusting to 120 | Severe Cyclonic Storm |
| 25.11.20/1730 | 12.0/79.8 | 100-110 gusting to 120 | Severe Cyclonic Storm |
| 26.11.20/0530 | 13.0/78.9 | 65-75 gusting to 85 | Cyclonic Storm |
| 26.11.20/1730 | 14.0/78.0 | 30-40 gusting to 50 | Depression |

(i) Heavy Rainfall Warning

Fairly widespread to widespread rainfall/thunderstorm activity very likely over Tamilnadu, Puducherry & Karaikal during 24th to 26th November and over south Coastal Andhra Pradesh, Rayalaseema during 25th to 26th and Telangana during 26th to 27th November, 2020. Isolated extremely heavy rainfall activity also very likely over Tamilnadu & Puducherry (**Pudukottai, Thanjavur, Tiruvarur, Karaikal, Nagapattinam, Cuddalore, Ariyalur & Perabalu** districts during 24th and **Kadalar, Kallakurchi, Puducherry, Villupuram, Tiruvannamalai, Chengalpattu to Ariyalur, Perambalur and Karaikal** districts during 25th) and over south Coastal Andhra Pradesh & Rayalaseema (**Nellore and Chittoor districts**) on 25th & 26th and over Telangana on 26th November, 2020.

(ii) Wind warning

- Squally weather with wind speed of 50-60 kmph gusting to 70 kmph is prevailing over Southwest & adjoining southeast Bay of Bengal. It would increase gradually becoming 65-75 kmph gusting to 85 kmph over the southwest and adjoining westcentral Bay of Bengal from 24th November morning. It would further increase

becoming 100-110 kmph gusting to 120 kmph over the southwest Bay of Bengal from 25th November morning for subsequent 12 hours.

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph would prevail along & off Tamil Nadu & Puducherry and adjoining South Andhra Pradesh coast and over Gulf of Mannar from 24th November morning. It will gradual increase and becoming 100-110 kmph gusting to 120 kmph along & off coastal districts of north Tamil Nadu and Puducherry (**Nagapattinam, Karaikal, Myladuthurai, Cuddalore, Puducherry, Villupuram & Chengalpattu districts**), 80-90 gusting to 100 kmph very likely over Tiruvarur, Kanchipuram, Chennai, Tiruvallur districts from 25th November forenoon for subsequent 12 hours.
- Gale wind speed reaching 65-75 kmph gusting to 85 kmph very likely over adjoining westcentral Bay of Bengal and along & off South Andhra Pradesh (Nellore & Chittoor districts), Gulf of Mannar and along and off districts of south coastal districts of Tamil Nadu from 25th November morning for subsequent 12 hours.

(iii) Sea condition

- Sea condition is rough to very rough over Southwest & southeast Bay of Bengal and along & off Tamil Nadu & Puducherry and south Andhra Pradesh coasts and over Gulf of Mannar. It would gradually become High over the southwest and adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry coast and very rough along and off south Andhra Pradesh coast and also over Gulf of Mannar on 24th November.
- The sea condition would be very high over the southwest and adjoining west-central Bay of Bengal and along & off north Tamil Nadu, Puducherry coasts and high along and off south Tamil Nadu & south Andhra Pradesh coasts and also over Gulf of Mannar on 25th November, 2020.

(iv) Storm Surge Warning

- Tidal wave of about 1m height above the astronomical tide is very likely to inundate the low lying areas of north coastal districts of Tamilnadu & Puducherry near the place of landfall.

(v) Damage expected over and Action suggested over coastal districts of Tamilnadu & Puducherry and adjoining Andhra Pradesh:

- Major damage to thatched houses/ huts with possibility of roof tops being blown off and unattached metal sheets may fly.
- Damage to power and communication lines.
- Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of large avenue trees. Severe damage to banana and papaya trees, horticulture and crops & orchards. Large dead limbs blown from trees.
- Major damage to coastal crops.
- Damage to embankments/ salt pans.

(vi) Fishermen Warning & Action Suggested:

- Total suspension of fishing operations.
- Fishermen are advised not to venture into Southwest & adjoining west-central & southeast Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts during 23-25th November.
- Fishermen out at Sea are advised to return to the coast and avoid the above sea area.
- Coastal hutment dwellers to be moved to safer places. People in affected areas to remain indoors. Movement in motor boats unsafe.

2. Deep Depression over Gulf of Aden and adjoining Somalia

The Deep Depression over north Somalia moved nearly northwestwards with a speed of about 17 kmph during past 06 hours and lay centered at 1730 hrs IST of 23rd November 2020 over the Gulf of Aden and adjoining Somalia near Latitude 11.3°N and Longitude 48.5°E, about 290 km west of Ras Binnah (Somalia). It is very likely to move nearly westwards and weaken gradually into a depression during next 12 hours and into a well marked low pressure area during subsequent 06 hours.

Forecast track and intensity are given below:

| Date/Time(IST) | Position (Lat. °N/ long. °E) | Maximum sustained surface wind speed (Kmph) | Category of cyclonic disturbance |
|----------------|---------------------------------|--|-------------------------------------|
| 23.11.20/1730 | 11.3/48.5 | 45-55 Gusting TO 65 | Deep Depression |
| 24.11.20/0000 | 11.7/47.5 | 40-50 Gusting TO 60 | Depression |
| 24.11.20/1200 | 11.7/46.4 | 20-30 Gusting TO 40 | Low Pressure Area |

(i) Wind warning

Gale wind speed reaching 55-65 kmph gusting to 75 kmph is prevailing over Gulf of Eden along and off Somalia coast and 50-60 kmph gusting to 70 kmph prevails over southwest Arabian Sea along and off north Somalia coast during next 06 hours. It will gradually decrease and becoming 40-50 kmph gusting to 60 kmph over the above areas during subsequent 06 hours.

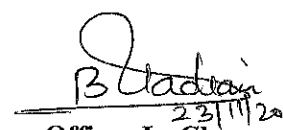
(ii) Sea condition

Sea condition will be rough to very rough over Gulf of Eden along and off north Somalia coast and over southwest Arabian Sea during next 12 hours and improve thereafter.

(iii) Fishermen Warning

Fishermen are advised not to venture into Gulf of Eden and southwest Arabian Sea along and off north Somalia coast during next 12 hours.

2. In view of above, State Governments are advised to keep a close watch, monitor the situation in their areas regularly and take appropriate precautionary measures. District authorities are to be advised accordingly. It is also requested that MHA may be kept informed about any developments in this regard at NERC Control Room telephone numbers- 23438252, 23438253, and Fax No- 23438254.


23/11/20
Officer-In-Charge
NERC, MHA

Copy to:

1. Resident Commissioner, Kerala, Odisha, Andhra Pradesh, Tamilnadu, Telangana, Andaman & Nicobar Islands, West Bengal and Puducherry
2. PPS to HS, PPS to Member Secretary NDMA, PPS to AS (UT)/PS to JS (DM), DG NDRF