



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE - 8

Time of issue: 1630 hours IST

Dated: 26-05-2021

Sub: Very Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northwest Bay of Bengal, crossed north Odisha coast

Yesterday's severe cyclonic storm over westcentral Bay of Bengal (BoB) moved north-northwestwards and intensified into a very severe cyclonic storm in the same evening (1730 hours IST of 25th May) over northwest BoB. Continuing to move further north-northwestwards, it crossed North Odisha coast near Latitude 21.35°N and Longitude 86.95°E, about 20 km to the south of Balasore as a Very Severe Cyclonic Storm with a maximum sustained wind speed of 130 -140 kmph gusting to 155 kmph between 1030 & 1130 hrs IST of today, the 26th May 2021. It lay centred at 1130 hrs IST of today, the 26th May, 2021 over north coastal Odisha, near latitude 21.4°N and longitude 86.9°E, about 15 km south-southwest of Balasore (Odisha). It further weakened into a Severe Cyclonic Storm over north Odisha in the afternoon (1230 hours IST).

The system is very likely to weaken gradually into a Cyclonic Storm during next 3 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
26.05.21/1130	21.4/86.9	120-130 gusting to 145	Very Severe Cyclonic Storm
26.05.21/1730	21.8/86.6	90-100 gusting to 110	Severe Cyclonic Storm
26.05.21/2330	22.3 /86.2	60-70 gusting to 80	Cyclonic Storm
27.05.21/0530	22.9/85.6	45-55 gusting to 65	Depression

Warnings:

(i) Rainfall:

Odisha: Light to moderate rainfall at most places with heavy to very heavy rainfall and **extremely heavy rainfall (≥ 20 cm)** at isolated places in Mayurbhanj, Keonjhar, Dhenkanal, Jajpur, Deogarh, Sundergarh & Angul during next 24 hours and isolated heavy to very heavy rainfall over Balasore, Bhadrak, Kendrapara, Jagatsinghpur on 26th and heavy falls at isolated places in extreme north interior Odisha on 27th May.

West Bengal: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places on 26th May and heavy rain at isolated places on 27th May.

Jharkhand: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and **extremely heavy falls** at isolated places on 26th and heavy to very heavy rainfall and **extremely heavy falls** at isolated places 27th May.

Bihar: Light to moderate rainfall at most places with heavy to very heavy rainfall and **extremely heavy falls** at isolated places on 27th May.

Contact: Cyclone Warning Division, Office of the Director General of Meteorology,
India Meteorological Department, Ministry of Earth Sciences.

Phone: (91) 11-24652484, FAX: (91) 11-24643128, 24623220, E-mail: cwdhq2008@gmail.com, Website: rsmcnewdelhi.imd.gov.in

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

(ii) Wind warning:

- Gale wind speed reaching 90-100 kmph gusting 110 kmph is likely to prevail over Northwest Bay of Bengal and along & off north Odisha coast and Gale wind speed reaching 70-80 kmph gusting 90 kmph along & off West Bengal coast during next 3 hours and improve thereafter.
- Gale wind speed reaching 80-90 kmph gusting 100 kmph would prevail over Mayurbhanj District of Odisha and adjoining areas of West Bengal during next 3 hours and would decrease gradually thereafter.
- Gale wind speed reaching 40-50 kmph gusting to 60 kmph would prevail over Puri, Cuttack, Khurda, Nayagarh, Dhenkanal and Keonjhar districts of Odisha till 26th evening. The wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over remaining interior districts of north Odisha and Bankura, Purulia, Howrah, Hooghly, Nadia & Burdhaman districts of West Bengal till today evening and reduce gradually from tonight.
- Squally wind speed reaching 40-50 kmph gusting 60 kmph is very likely to prevail over south Jharkhand during next 6 hours and increase gradually becoming 55-65 kmph gusting to 75 kmph over south Jharkhand during 26th night to 27th early morning and decrease thereafter.

(iii) Sea condition

- Sea condition would be High over northwest Bay of Bengal along & off Odisha–West Bengal coasts till 26th evening and improve gradually thereafter.

(iv) Fishermen Warning

- The fishermen are advised not to venture into north Bay of Bengal and along & off north Odisha-West Bengal coasts till 27th morning.

(v) Storm surge warning.

Tidal waves of height 1-2 meters above astronomical tide are likely to inundate low lying areas of Balasore, Bhadrak, Medinipur, South 24 Parganas districts during next 2-3 hours and decrease thereafter.

Action Suggested for coastal districts of North Odisha, West Bengal and adjoining interior districts of these states till 26th May:

- Suspension of fishing operation and movement of ships in disturbed areas.
- Ports along the east coast of India may take necessary pre-cautions.
- Naval base operations may maintain necessary pre-cautions
- Tourism activities may be restricted over these areas.
- Judicious regulation of rail and road traffic.
- People in affected areas to remain indoors.

Damage expected over north interior districts of Odisha and interior districts of Gangetic West Bengal adjoining Odisha:

- Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- Minor damage to power and communication lines.
- Major damage to Kutchha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of trees. Damage to banana and papaya trees. Dead limbs blown from trees.
- Major damage to coastal crops.

24 hours accumulated rainfall associated with the system is placed at Annexure-1.

The system is under continuous surveillance and the concerned state governments are being informed regularly.

Kindly visit www.rsmcnewdelhi.imd.gov.in and www.mausam.imd.gov.in for regular updates.

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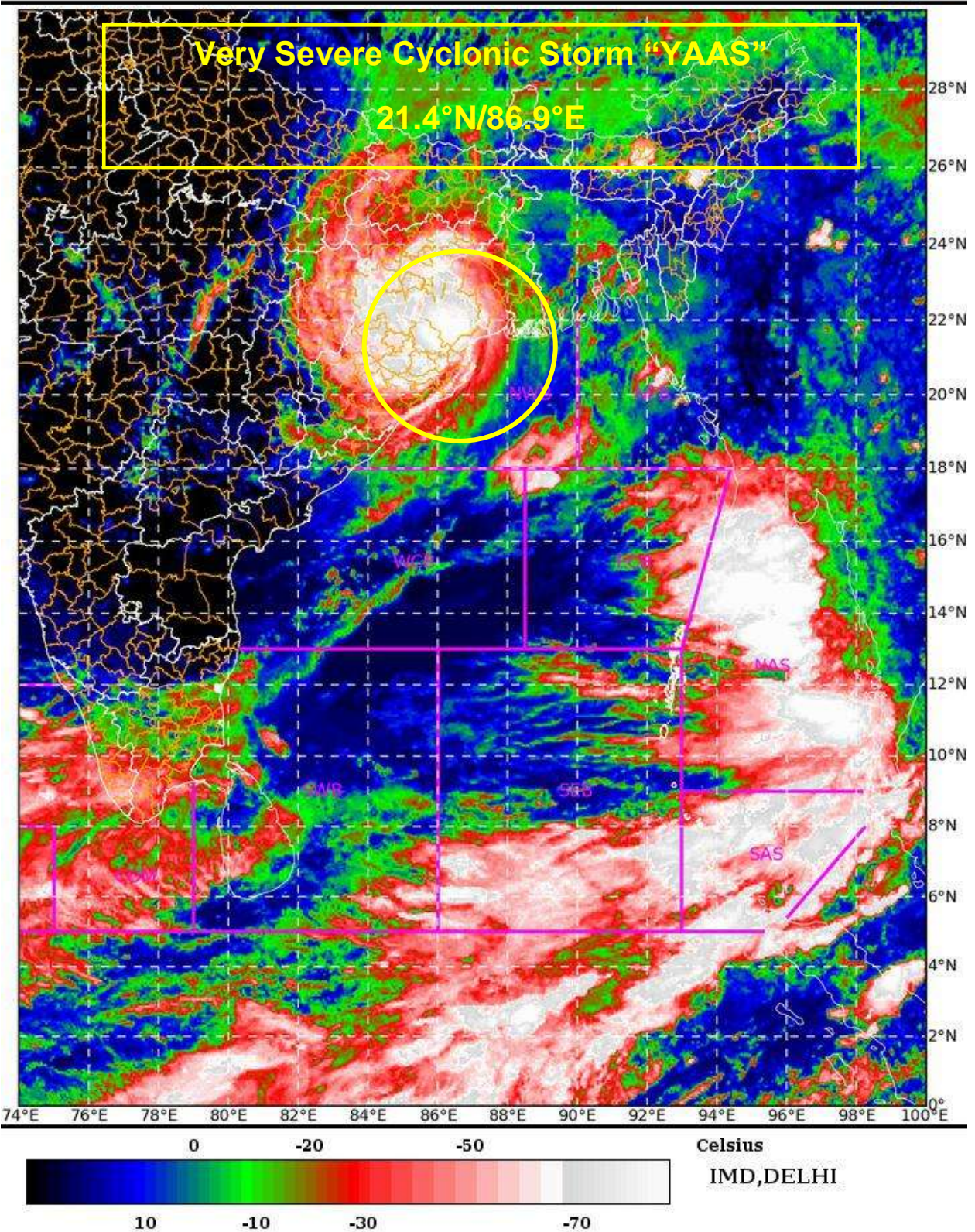
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Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

SAT : INSAT-3D IMG 26-05-2021/(0800 to 0827) GMT

IMG_TIR1_TEMP 10.8 um 26-05-2021/(1330 to 1357) IST

L1C Mercator



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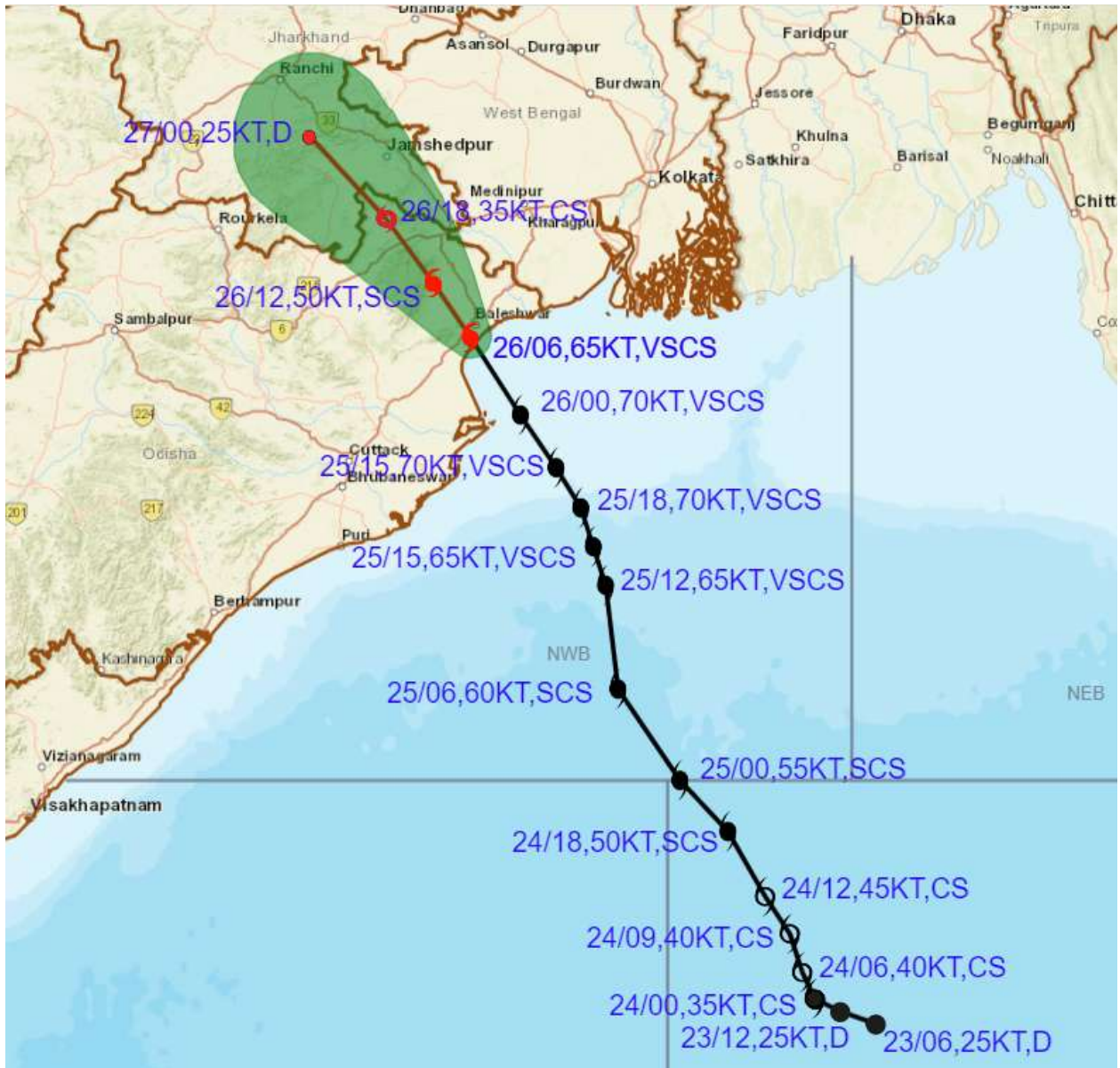
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OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTH COASTAL ODISHA BASED ON 0600 UTC OF 26th MAY, 2021



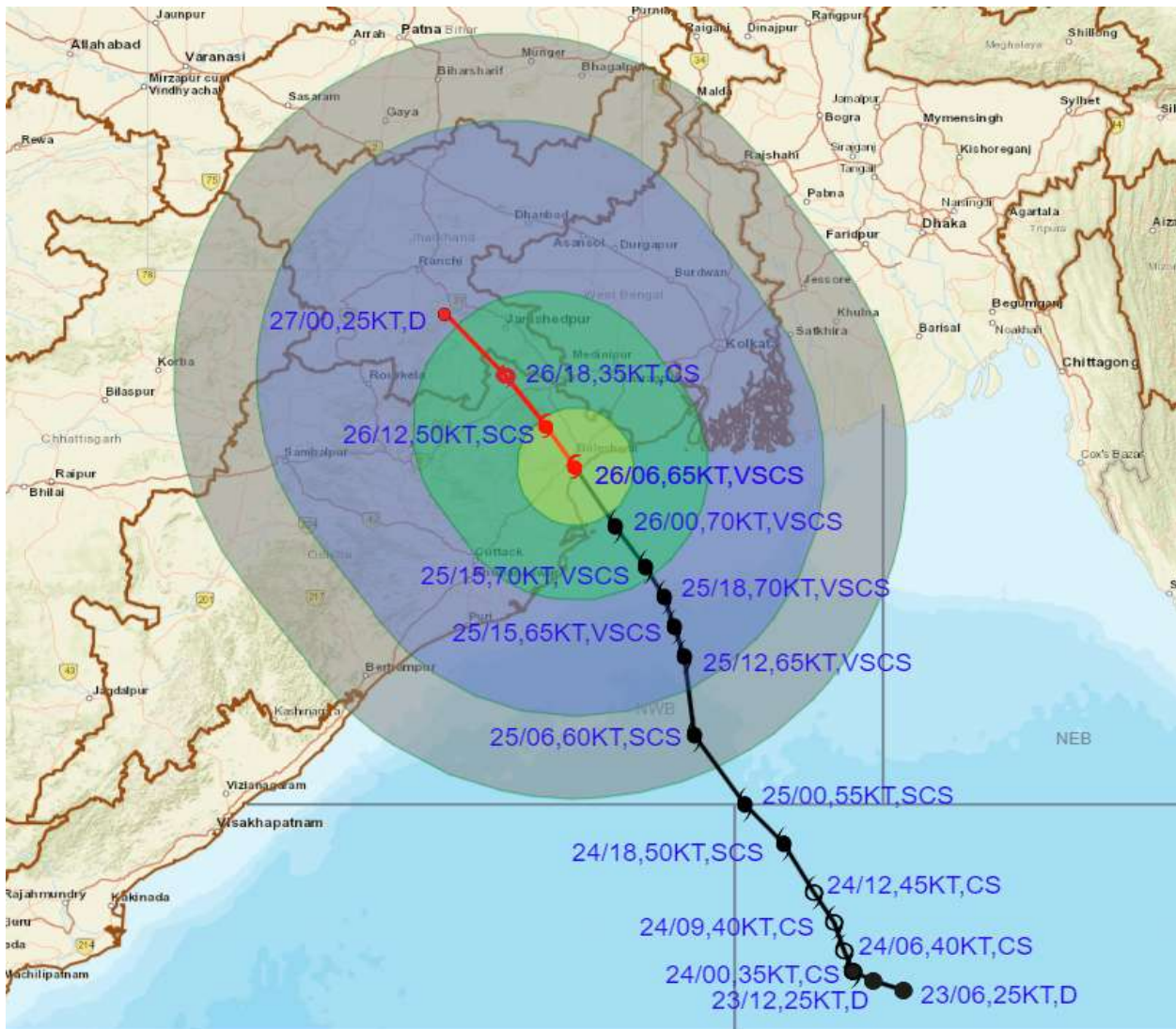
DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

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

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 Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTH COASTAL ODISHA BASED ON 0600 UTC OF 26th MAY, 2021



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 (≥ 120 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

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Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

24 hours accumulated realised rainfall (≥ 7 cm) ending at 0830 hours IST of date:

23 May 2021:

Andaman & Nicobar Island: Long Island-10, Maya Bandar-9,

24 May 2021:

Andaman & Nicobar Island: Port Blair-7

25 May 2021:

Andaman & Nicobar Island: Hut Bay-11, Carnicobar-8,

Gangetic West Bengal: Contai-9, Suri -7, Hetampur-7,

26 May 2021:

Andaman & Nicobar Island: Carnicobar-7,

Odisha: Chandbali-29, Rajkanika-25, Garadapur-25, Marsaghai-23, Kujanga-23,

Nawana-21, Tirtol-21, Paradip -20, Pattamundai-19, Balikuda-19, Derabis-19,

Astaranga-18, Bhadrak-17, Kendrapara-16, Dhamnagar-16, Soro-16, Jagatsinghpur-15,

Tihidi-14, Bari-14, Alipingal-14, Jajpur-13, Nilgiri-13, Akhuapada-13, Basudevnpur-13,

Chandikhol-12, Bonth-12, Korei-11, Kakatpur-11, Danagadi-10, Jenapur-9,

Nischintakoili-9, Bhograi-9, Niali-8, Anandpur-8, Kaptipada-8, Joshipur-7, Jaleswar-7,

Salepur-7, Mahanga-7, Chandanpur-7, Rairangpur-7, NH5 Gobindpur-7, Balimundali-7,

Betanati-7, Balasore-7, Jhumpura-7,