



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE – 3

Time of issue: 1500 hours IST

Dated: 25 October, 2022

Sub: Cyclonic Storm “SITRANG” (pronounced as “Si-Trang”) crossed Bangladesh coast and weakened into a Well Marked Low Pressure Area over Northeast Bangladesh & adjoining Meghalaya

Yesterday’s cyclonic storm “SITRANG” moved north-northeastwards and crossed Bangladesh coast between Tinkona and Sandwip close to Barisal in the same night during 2130 to 2330 hours IST of 24th October) as a cyclonic storm with maximum sustained wind speed of 80-90 kmph gusting to 100 kmph. Continuing to move north-northeastwards, it weakened into a deep depression in the early hours (0230 hours IST), into a depression in the morning (0530 hours IST) over Bangladesh and into a well marked low pressure area over northeast Bangladesh & adjoining in the forenoon (0830 hours IST) of today, the 25th October, 2022 over northeast Bangladesh and adjoining Meghalaya. It is very likely to continue to move north-northeastwards and weaken further during next 06 hours.

Warnings:

(i) Rainfall (warning graphics enclosed):

Light to moderate rainfall at most places with isolated **heavy to very heavy rainfall** is very likely over Arunachal Pradesh, northeast Assam and isolated **heavy rainfall** over remaining parts of Assam, Meghalaya and Nagaland today, the 25th October.

Light to moderate rainfall at many places is very likely over Manipur, Mizoram & Tripura during next 12 hours and reduce thereafter.

(ii) Wind warning:

Strong wind speed reaching 25-35 kmph gusting to 45 kmph is very likely to prevail over northeast Bangladesh, Meghalaya, Assam, Arunachal Pradesh, Manipur, Nagaland, Mizoram & Tripura during next 12 hours and reduce thereafter.

Observed track of cyclonic storm Sitrang is placed at Fig.1. Estimated wind distribution in association with the system is given in Fig.2.

Realised weather in association with the system is placed at Annexure-1.

This is the last Bulletin in association with this system. However, Regular weather bulletins will continue from the National Weather Forecasting Centre, New Delhi, RMC Kolkata and RMC Guwahati in association with the remnant low pressure system.

Kindly visit www.rsmcnewdelhi.imd.gov.in and www.mausam.imd.gov.in for updates on the system.

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.

Realised Weather

1. Realised rainfall during past 24 hrs ending at 0830 IST of 24th October 2022:

Light to moderate rainfall occurred at isolated places over Odisha and few places over coastal West Bengal. Rainfall occurred at most places with extremely heavy rainfall at isolated places over Meghalaya; isolated heavy to very heavy rainfall over Arunachal Pradesh and isolated heavy rainfall over Assam and Manipur.

24 hours accumulated heavy rainfall (≥ 7 cm) ending at 0830 hours IST of 25th October is given below:

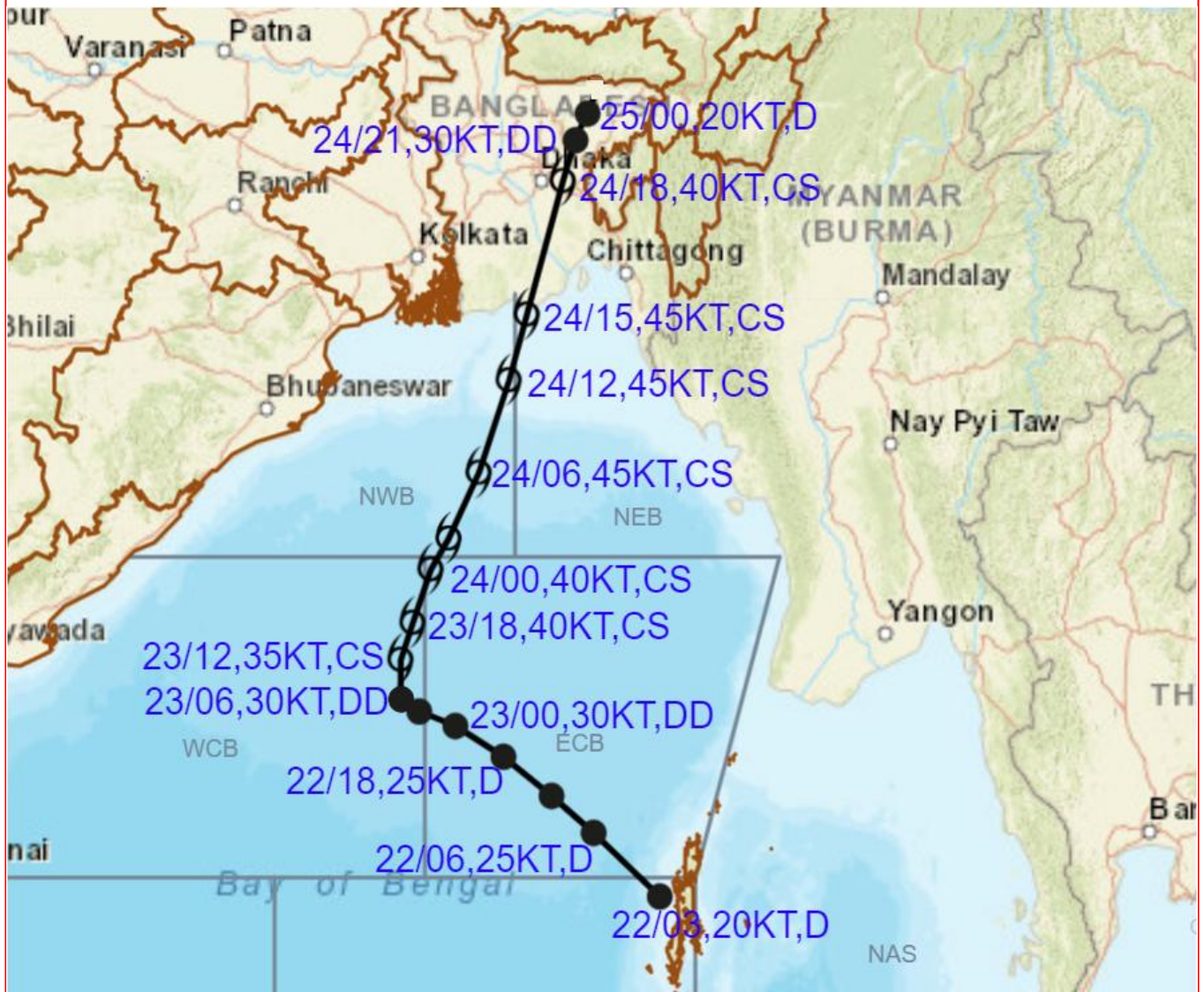
- ❖ Meghalaya: Mawphlang (Dist East Khasi Hills) 25, Pynursla (Dist East Khasi Hills) 25, Williamnagar (Dist East Garo Hills) 23, Shora (Dist East Garo Hills) 22, Secretariat_Hills(Arg) (Dist East Garo Hills) 21, Shillong (Aws) (Dist East Khasi Hills) 21, Shillong C.S.O. (Dist East Khasi Hills) 20, Mawkyrwat(Arg) (Dist South West Khasi Hills) 18, Barapani (Dist Ribhoi) 18, Nongstoin (Dist West Khasi Hills) 13, Khliehriat (Dist East Jaintia Hills) 12, Baghmara (Dist South Garo Hills) 10;
- ❖ Arunachal Pradesh: Bomdila (Dist West Kameng) 12, Kalaktang (Dist West Kameng) 10, Kibithu (Dist Anjaw) 9, Basar (Dist West Siang) 8, Ziro (Dist Lower Subansiri) 8, Koloriang (Dist Kurung Kumey) 7, Jung_Arg (Dist Tawang) 7, Kabu Basti (Dist West Siang) 7, Palin(Arg) (Dist Kra Daddi) 7;
- ❖ Assam: Khanapara (Dist Kamrup Metropolitan) 10, Dudhnoi Kvk(Aws) (Dist Goalpara) 9, Khetri (Arg) & Chandmari (Dist Kamrup Metropolitan) 9, Drf & Goibargaon (Dist Baksa) 8, Pandu, Nongpoh (Dist Rhibhoi) 8, Goibergaon (Dist Baksa) 8, Udaipur (Dist Tinsukia) 8, Umrangshu(Arg) (Dist West Karbi Anglong) 7, Motunga (Dist Tamulpur) 7, Nalbari (Dist Nalbari) 7, Tamulpur (Dist Baksa) 7, Chandrapur Arg (Dist Kamrup (Rural)) 7, Kheronighat (Dist Karbi Anglong) 7, Guwahati (Dist Kamrup (M)) 7;
- ❖ Manipur: Ukhrul (Dist Ukhrul) 10, Ukhrul Aws (Dist Ukhrul) 9, Churachandpur (Dist Churachandpur) 7, Senapati (Dist Senapati) 7;

2. Realised wind:

Estimated maximum sustained wind (MSW) speed of intensity 60-70 kmph gusting 80 kmph prevailed along & off North & South 24 Parganas including Sunderbans forest area during the time of landfall. Kolkata reported MSW of 44 kmph at 1647 IST of 24th October. MSW of 50-60 kmph gusting to 70 kmph prevailed over Tripura and 40-50 kmph gusting to 60 kmph over Meghalaya, South Assam & adjoining Mizoram and along and off north Odisha coast. The MSW of 80-90 kmph gusting to 100 kmph prevailed along and off Bangladesh coast during landfall.



OBSERVED TRACK OF CYCLONIC STORM "SITRANG" DURING 22ND-25TH OCTOBER, 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

Fig.1: Observed track of cyclonic storm Sitrang.

Contact: Cyclone Warning Division, Office of the Director General of Meteorology,

India Meteorological Department, Ministry of Earth Sciences.

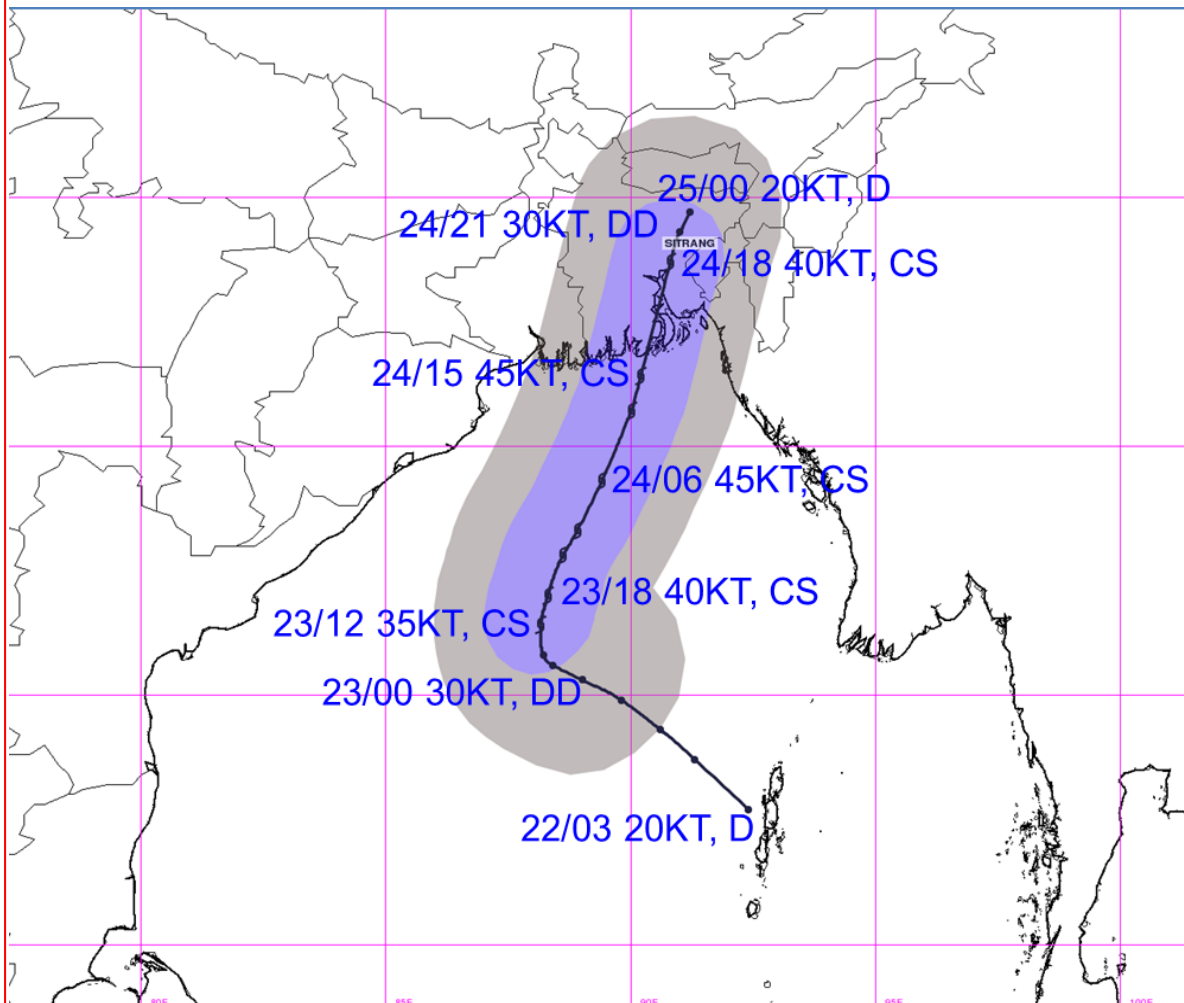
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**ESTIMATED WIND DISTRIBUTION IN ASSOCIATION WITH CYCLONIC STORM
"SITRANG" DURING 22ND-25TH OCTOBER, 2022**



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IST=UTC + 0530

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● 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

Fig.2: Estimated maximum sustained wind speed distribution in association with cyclonic storm Sitrang

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