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पृथ्वी विज्ञान मंत्रालय
भारत मौसम विज्ञान विभाग
प्रमुख - पूर्व क्षेत्र
प्रादेशिक मौसम केंद्र
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No. RMCKOL-13020/4/2025-RWFC-KOL

Date: 02.10.2025

Time: 1330 Hrs. IST

Special Bulletin No. 16

Subject: Deep Depression over Westcentral and adjoining northwest Bay of Bengal

The Deep Depression over westcentral and adjoining northwest Bay of Bengal moved north-northwestwards with a speed of 13 kmph during past 6 hours and lay centered at 0830 hrs IST of today, the 02nd October 2025 over the same region near latitude 18.0°N and longitude 85.6°E, about 160 km south-southeast of Gopalpur, 170 km east of Kalingapatnam (Andhra Pradesh), 200 km south of Puri (Odisha), 250 km east-northeast of Visakhapatnam (Andhra Pradesh) and 280 km south-southwest of Paradip (Odisha).

It is very likely to continue to move north-northwestwards and cross Odisha and adjoining Andhra Pradesh coasts between Gopalpur and Paradip by night of 2nd October.

Forecast location and intensity are given in following table:

Date/Time (IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
02.10.25/0830	18.0/85.6	55-65 gusting to 75	Deep Depression
02.10.25/1730	18.9/85.3	55-65 gusting to 75	Deep Depression
03.10.25/0530	20.3/84.8	45-55 gusting to 65	Depression
03.10.25/1730	21.7/84.3	35-45 gusting to 55	Depression

Detailed forecast and warning for West Bengal for next seven days are given below:

Realized Weather in last 24 hours recorded at 0830 hours IST of today:

Light to moderate rainfall occurred at most places over West Bengal with heavy to very rainfall at one or two places over North Bengal and heavy rainfall at one or two places over South Bengal.

Chief Amount of Rainfall (in cm):

South Bengal: Digha (dist East Midnapore) 10, Sagar Island Pto (dist South 24 Parganas) 9, Basirhat(pt) (dist North 24 Parganas) 7, Contai (dist East Midnapore) 7, Durgachack (dist East Midnapore) 5, Amfu Kakdwip (dist South 24 Parganas) 5

North Bengal: Buxaduar (dist Alipurduar) 19, Chalouni Tea Estate (dist Jalpaiguri) 14, Rongo (dist Kalimpong) 13, Jhallong (dist Kalimpong) 11, Indong T.e. (dist Jalpaiguri) 9, Zurrantee T.e (dist Jalpaiguri) 8, Gopalpur Tea Estate (dist Alipurduar) 8, Subhasini Tea Estate (dist Alipurduar) 7, Hasimara (dist Alipurduar) 7, Soongachi T.e. (dist Jalpaiguri) 7, Patkapara Tea Estate (dist Alipurduar) 7, Ghughumari (dist Cooch Behar) 6, Chel (dist Jalpaiguri) 6, Aryaman Tea Estate (dist Alipurduar) 6, Hilla T.e. (dist Jalpaiguri) 6, Moraghat Tea Estate (dist Jalpaiguri) 5, Ghish (dist Jalpaiguri) 5, Alipurduar (pto) (dist Alipurduar) 5, Neora (dist Jalpaiguri) 5, Beech Tea Garden (dist Alipurduar) 5.

Forecast and Warning for South Bengal:

02-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy to very Heavy rain (07-20 cm) very likely to occur at one or two places over South 24 Parganas, East & West Midnapore and Jhargram districts of South Bengal; Heavy rain (07-11 cm) very likely to occur at one or two places over Howrah and Kolkata; Heavy rain (07-11 cm) very likely to occur at one or two places over North 24 Parganas, Hooghly, East Burdwan, West Burdwan, Bankura and Purulia districts of South Bengal. Also, Thunderstorm with lightning and gusty wind (40-50 kmph) very likely to occur at one or two places over East & West Midnapore and South 24 Parganas districts of South Bengal. Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over the rest districts of South Bengal.

03-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy to very Heavy rain (07-20 cm) very likely to occur at one or two places over Birbhum districts of South Bengal. Heavy rain (07-11 cm) very likely to occur at one or two places over East & West Midnapore, Purulia, South 24 Parganas, Murshidabad, West Burdwan and Bankura districts of South Bengal. Also, Thunderstorm with gusty wind (40-50 kmph) and lightning very likely to occur at one or two places over East & West Midnapore and South 24 Parganas districts of South Bengal. Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over the rest districts of South Bengal.

04-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy rain (07-11 cm) very likely to occur at one or two places over Birbhum and Murshidabad districts of South Bengal. Also, Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over all the districts of South Bengal.

05-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over all the districts of South Bengal.

06-10-2025:

Light to moderate rain or thundershower very likely to occur at many places over all the districts with Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over Birbhum, Murshidabad, Nadia, North 24 Parganas and South 24 Parganas districts of South Bengal.

07-10-2025:

Light to moderate rain or thundershower very likely to occur at many places over all the districts of South Bengal.

08-10-2025:

Light to moderate rain or thundershower very likely to occur at a few places over all the districts of South Bengal.

Possible Impact for South Bengal

1. Possibility of lightning strike especially in open field.
2. Water logging/inundation of low-lying areas, underpass roads. Reduction in visibility during intense spell of rain and traffic (Rail and road transport) disruption.
3. Some damages to Kutcha Road, and wall collapsed of vulnerable Kutcha houses & huts.
4. Breaking of tree branches, some damages to standing crops in the field.
5. Some damages of Puja Pandals due to intense spell of rain and strong surface wind.

Actions suggested for South Bengal

1. Avoid taking shelter under tree/electric pole and avoid contact with water bodies.
2. Movement of traffic may be regulated judiciously.
3. Take shelter in a safe place during intense spell of rain/thundershower activity.
4. Avoid movement water logging prone areas and staying in vulnerable Kutcha houses.
5. Precautionary measure may be taken for protection of Puja Pandals.
6. Tourism and recreational activities especially along coastal area may be regulated.

Forecast and Warning for North Bengal:**02-10-2025:**

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy rain (07-11 cm) very likely to occur at one or two places over all the districts of North Bengal. Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over all the districts of North Bengal.

03-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the district with Heavy to very Heavy rain (07-20 cm) very likely to occur at one or two places over Darjeeling, Jalpaiguri, and Alipurduar districts of North Bengal. Heavy rain (07-11 cm) very likely to occur at one or two places over Kalimpong, Coochbehar & North Dinajpur districts of North Bengal. Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over all the districts of North Bengal.

04-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy to very Heavy rain (07-20 cm) very likely to occur at one or two places over Darjeeling, Jalpaiguri, Kalimpong, Coochbehar, North Dinajpur and Alipurduar districts of North Bengal. Heavy rain (07-11 cm) very likely to occur at one or two places over Malda & South Dinajpur districts of North Bengal. Thunderstorm with gusty wind (30-40 kmph) and lightning very likely to occur at one or two places over all the districts of North Bengal.

05-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy to very Heavy rain (07-20 cm) very likely to occur at one or two places over Darjeeling, Jalpaiguri, Kalimpong, Coochbehar, and Alipurduar districts of North Bengal. Heavy rain (07-11 cm) very likely to occur at one or two places over North Dinajpur districts of North Bengal.

06-10-2025:

Light to moderate rain or thundershower very likely to occur at most places over all the districts with Heavy rain (07-11 cm) very likely to occur at one or two places over Coochbehar, and Alipurduar districts of North Bengal.

07-10-2025 and 08.10.2025

Light to moderate rain or thundershower very likely to occur at many places over all the districts of North Bengal.

Possible Impact for North Bengal

1. Possibility of lightning strike especially in open field
2. Water logging/inundation of low-lying areas, underpass roads.
3. Reduction in visibility during intense spell of rain and traffic congestion.
4. Possibility of landslides in hilly areas of Darjeeling and Kalimpong districts.
5. Some damages to Kutcha Road, and wall collapsed of vulnerable Kutcha houses.
6. Some damages to standing crops in the field
7. Some damages of Puja Pandals due to intense spells of rain.
8. Rise in water level in rivers viz., Teesta, Torsa, Raidak, Jaldhaka.

Actions suggested for North Bengal

1. Avoid taking shelter under tree/electric pole and avoid contact with water bodies.
2. Movement of traffic may be regulated judiciously.
3. Take shelter in a safe place during intense spell of rain/thundershower activity.
4. Avoid movement water logging prone areas and landslides prone areas.
5. Avoid staying in vulnerable Kutcha houses.
6. Precautionary measure may be taken for protection of Puja Pandals.

Wind Warning, Sea Condition and Fishermen warning

Squally wind speed reaching 55-65 gusting to 75 kmph is likely to prevail over westcentral & adjoining northwest Bay of Bengal and along and off Odisha coast till midnight of 02nd October. Winds would gradually decrease thereafter becoming 45-55 gusting to 65 kmph till afternoon of 3rd October and decrease further thereafter. Squally wind speed reaching 45-55 kmph gusting to 65 kmph very likely along and off West Bengal coast till 3rd October and decrease further thereafter. Sea condition is likely to be rough to very rough.

Fishermen are advised not to venture into the sea over North & Central Bay of Bengal along and off West Bengal & Odisha coast till 03-10-2025.

Port Warning: Local Cautionary Signal No. 3 hoisted at Haldia and Kolkata Port alongwith sectional Signal No. 1 & 2 at Sagar Islands Port.

Warning maps are given at the end for graphical information.

N.B: 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. Probabilistic forecast: Unlikely =< 25%, likely 26-50%, Very likely 51-75%, Most likely > 75%

Color code for Warning:

No Warning (No Action)
Watch (Be Aware)

Alert (Be Prepared To Take Action)
Warning (Take Action)

Sd/-

(Dr.H R Biswas)

Scientist -F

Head (LACD), RMC Kolkata

Next Update will be issued at 1630 on 2nd October.

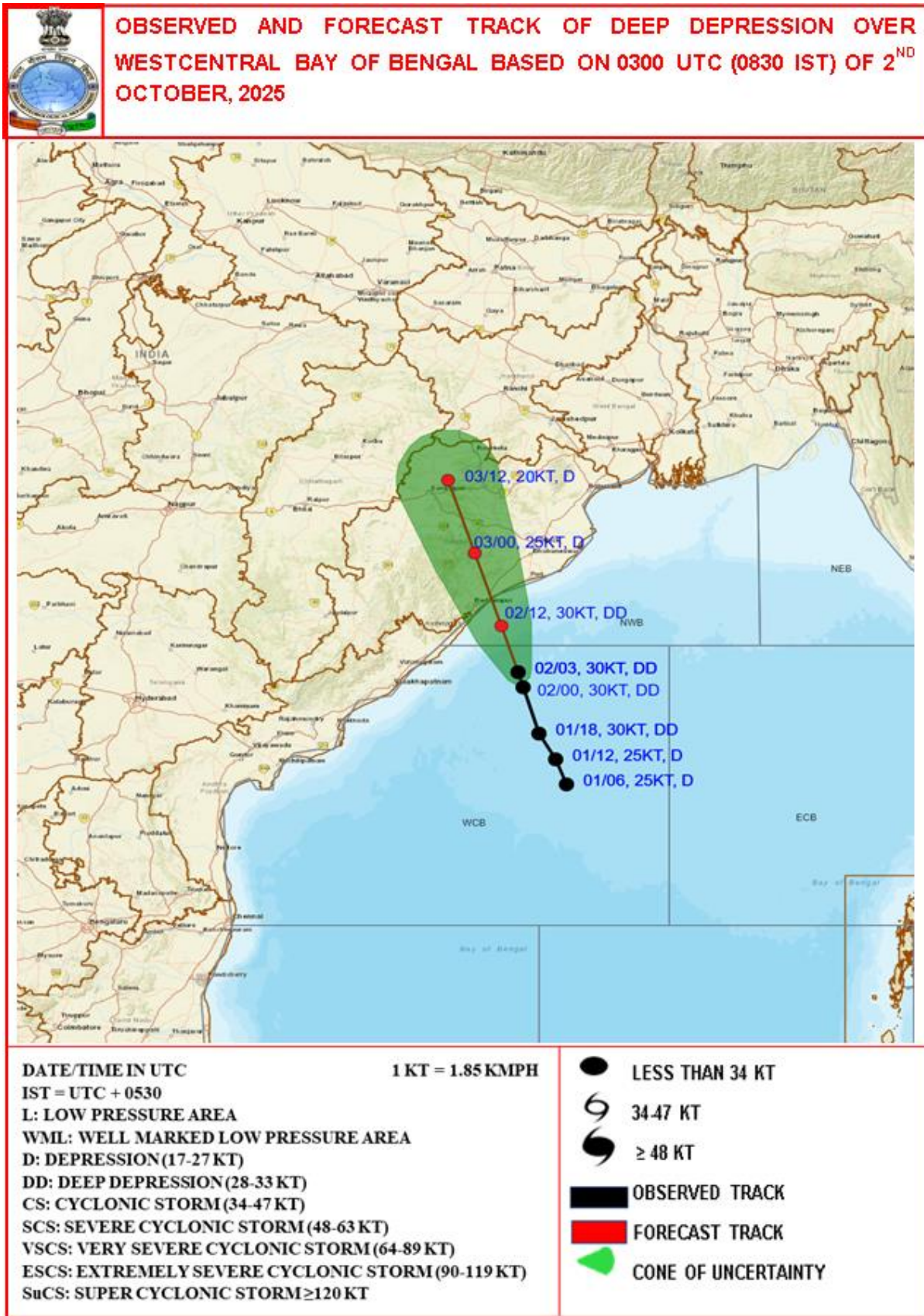
Note: For detailed information please visit our Website: <https://mausam.imd.gov.in/kolkata/>

Facebook page: <https://www.facebook.com/WeatherOffice.Kolkata>

X: <https://x.com/ImdKolkata>

WhatsApp channel: <https://whatsapp.com/channel/0029VaD6VGS3QxS9vKh3e13C>

Mausam App: <https://play.google.com/store/apps/details?id=com.imd.masuam>



Weather Warning: Day-1 02/10/2025

(Valid upto 0830 IST of 03/10/2025)

- ISOL Heavy to Very Heavy Rain (07-20 cm)
- ISOL Heavy Rain (07-11 cm)
- ISOL Thunderstorm with Lightning
- Gusty wind speed reaching 40-50 Kmph
- Gusty wind speed reaching 30-40 Kmph

- No Warning (No Action)
- Watch (Be Aware)
- Alert(Be Prepared to Take Action)
- Warning(Take Action)

ISOL- At one or two places
Date: 02/10/2025

Weather Warning: Day-2 03/10/2025

(Valid from 0830 IST of 03/10/2025
Valid upto 0830 IST of 04/10/2025)

- ISOL Heavy to Very Heavy Rain (07-20 cm)
- ISOL Heavy Rain (07-11 cm)
- ISOL Thunderstorm with Lightning
- Gusty wind speed reaching 40-50 Kmph
- Gusty wind speed reaching 30-40 Kmph

- No Warning (No Action)
- Watch (Be Aware)
- Alert(Be Prepared to Take Action)
- Warning(Take Action)

ISOL- At one or two places
Date: 02/10/2025

Weather Warning: Day-3 04/10/2025

(Valid from 0830 IST of 04/10/2025
Valid upto 0830 IST of 05/10/2025)

- ISOL Heavy to Very Heavy Rain (07-20 cm)
- ISOL Heavy Rain (07-11 cm)
- ISOL Thunderstorm with Lightning
- Gusty wind speed reaching 30-40 Kmph

- No Warning (No Action)
- Watch (Be Aware)
- Alert(Be Prepared to Take Action)
- Warning(Take Action)

ISOL- At one or two places
Date: 02/10/2025

Weather Warning: Day-4 05/10/2025

(Valid from 0830 IST of 05/10/2025
Valid upto 0830 IST of 06/10/2025)

- ISOL Heavy to Very Heavy Rain (07-20 cm)
- ISOL Heavy Rain (07-11 cm)
- ISOL Thunderstorm with Lightning
- Gusty wind speed reaching 30-40 Kmph

- No Warning (No Action)
- Watch (Be Aware)
- Alert(Be Prepared to Take Action)
- Warning(Take Action)

N.B: ISOL- At one or two places
Date: 02/10/2025

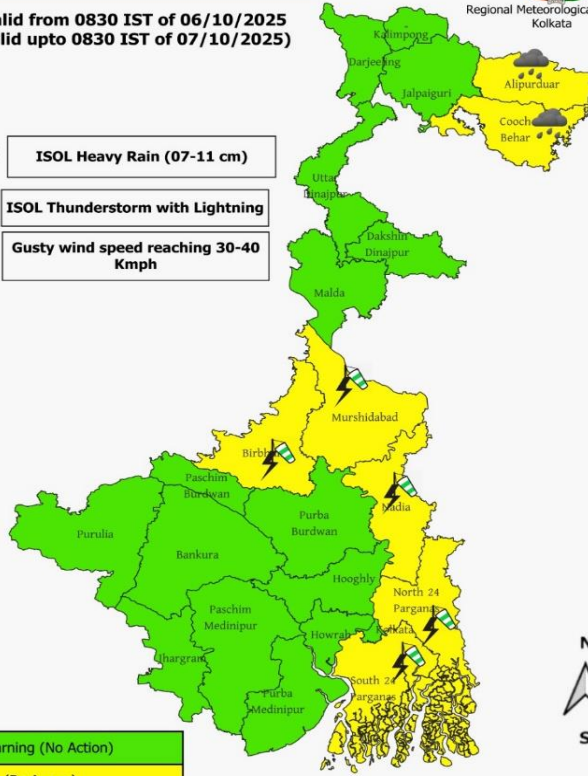
Weather Warning: Day-5
06/10/2025

(Valid from 0830 IST of 06/10/2025
Valid upto 0830 IST of 07/10/2025)



- ISOL Heavy Rain (07-11 cm)**
- ISOL Thunderstorm with Lightning**
- Gusty wind speed reaching 30-40 Kmph**

- No Warning (No Action)
- Watch (Be Aware)
- Alert (Be Prepared to Take Action)
- Warning (Take Action)



N.B: ISOL - At one or two places

Date: 02/10/2025



Fishermen Warning Graphics

