Agricultural Meteorology Division
India Meteorological Department
(Ministry of Earth Sciences)
National Agrimet Bulletin No. 6

TIME OF ISSUE: 1630 HOURS IST **DATED: 20.11.2026**

Sub: Deep Depression (Remnant of Severe Cyclonic Storm "Akvan") over south coastal Odisha.

The Deep Depression **(Remnant of Severe Cyclonic Storm "Akvan")** over south coastal Odisha moved northwards with a speed of 15 kmph during past 06 hours and lay centered at 1430 hours IST of today, the 20th November, 2026, over the same region near latitude 20.0°N and longitude 84.9°E, about 80 km north of Gopalpur (Odisha), 90 km south-southwest of Angul (Odisha) and 100 km west-northwest of Puri (Odisha).

It is likely to move nearly northwards over Odisha and weaken into a Depression during next 03 hours and into a Well Marked Low Pressure Area during subsequent 06 hours.

Warnings:

(i) Rainfall Warning:

Odisha: Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places is very likely on 20th November.

Chhattisgarh: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over east Chhattisgarh on 20th on 21st November.

Gangetic West Bengal: Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places is very likely on 20th November and **heavy rainfall** at isolated places on 21st November.

Sub Himalayan West Bengal: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely on 20th on 21st November.

Jharkhand: Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places is very likely on 20th November and **heavy rainfall** at isolated places on 21st November.

Bihar: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over southeast Bihar on 21st November.

Manipur, Tripura, Mizoram, Assam & Meghalaya: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over Manipur, Tripura, Mizoram and south Assam on 20th November and over Manipur, Tripura, Mizoram, Assam & Meghalaya on 21st November.

(ii) Flash Flood Guidence: Moderate flash flood risk likely over few watersheds & neighborhoods of Odisha and Gangetic West Bengal during next 24 hours.

Odisha: Gajapati, Ganjam, Jagatsinghpur, Kendrapara, Puri, Balasore, Keonjhargarh, Mayurbhanj, Sambalpur, Sundargarh and Deogarh districts.

Gangetic West Bengal: Bankura, Purulia, West Midnapore, East Midnapore, Howrah, North

24 Parganas, South 24 Parganas, Hooghly, Nadia and Purba Bardhaman districts **Jharkhand:** East Singhbhum, Seraikela-Kharsawan, West Singhbhum, Khunti, Ranchi, Simdega and Gumla districts

(iii) Wind warning:

Westcentral Bay of Bengal: Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing and It will decrease gradually decrease during next 12 hours.

Northwest Bay of Bengal: Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing and It will decrease gradually decrease during next 12 hours.

Along & off North Andhra Pradesh & Yanam coasts: Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing and It will decrease gradually decrease during next 12 hours.

Along & off South Odisha coasts: squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing and It will decrease gradually decrease during next 12 hours.

Along & off North Odisha & West Bengal coasts: Squally wind speed reaching 45-55 gusting 65 kmph is prevailing and will continue till evening of today, the 20th Nov 2026 and decrease thereafter.

(iv) Sea condition:

Westcentral Bay of Bengal: Very rough to rough sea condition likely to prevail during next 03 hours and likely improve gradually thereafter.

Northwest Bay of Bengal: Very rough to rough sea condition likely to continue for next 6 hours, and It is likely to improve thereafter.

Along & off North Andhra coast: Very rough to rough sea condition likely to prevail during next 06 hours and likely improve gradually thereafter

Along & off South Odisha coasts: Very Rough to rough condition likely to continue for next 6 hours, and It is likely to improve thereafter.

Along & Off adjoining areas of North Odisha & West Bengal coasts: Rough Sea condition is likely to prevail during next 3 hours and improve gradually thereafter.

(vi) Fisherman warning: Fishermen are advised not to venture into

- Westcentral Bay of Bengal till 20st November night.
- Northwest Bay of Bengal till 21st November morning.

Special Agromet Advisories for Post Cyclonic Storm "Akvan"

Andhra Pradesh

AMFU Anakapalli (Srikakulam)

- Drain out excess water from fields of rice, groundnut, cotton, red gram, sugarcane, maize and vegetables.
- After cessation of rains monitor the sugarcane field, in case of lodging in sugarcane crop fields, lift the plants and tie 4-5 plants together.
- Withhold sowing of *rabi* crops such as maize, ragi, groundnut and sunhemp till the soil reaches optimum soil moisture.

Odisha

1. **AMFU G. Udayagiri (Ganjam, Gajapati, Kandhamala and Rayagada)**

- Drain out excess water from fields of rice, niger, ginger, turmeric and vegetables and plantations of banana and papaya.

- Provide support to banana and papaya plants using bamboo poles.
- To control rhizome rot and leaf spot diseases in ginger and turmeric, apply a mixture of 2 grams of (Cymoxanil + Mancozeb) per litre of water after cessation of rainfall.

2. AMFU Bhubaneswar (Kendrapara, Khorda, Jagatsinghpur, Puri, Kataka and Nayagada)

- Drain excess water from rice fields, vegetable plots and nurseries, especially in low-lying and flood-prone areas.
- After cessation of rainfall, if rice crop is severely lodged during grain filling stage, tie 4-5 hills together and gently raise them to an upright position to minimize grain rotting and sprouting.
- Carry out earthing up around the base of plants in horticultural crops and provide mechanical support.
- Undertake propping in sugarcane crop to keep them upright and minimize damage.

3. AMFU Keonjhar (Mayurbanj and Kendujhar)

- Drain out excess water from fields of rice, linseed and green gram.
- After cessation of rainfall, harvest the banana bunches that are lodged or broken. Also, clear or remove the damaged and diseased leaves from the plants.

4. AMFU Ranital (Jajpur, Bhadrak and Baleshwar)

- Drain out excess water from the low land rice fields & vegetables.
- Tie sugarcane leaves from four to five plants together to prevent lodging and provide staking.
- Strengthen the staking in banana, cucurbits and tomato plants.

5. AMFU Mahisapat (Dhenkanal)

- Drain out excess water from fields of maize, sugarcane, pulses, groundnut and vegetables and orchards of banana and papaya.
- Carry out propping in sugarcane to keep the lodged plant erect.
- Postpone sowing of r*abi* crops like green gram, black gram, sesame, mustard and vegetables until rainfall ceases and soil moisture conditions become favourable.
- Provide mechanical support to banana, papaya, tomato and cucurbitaceous crops to minimize damage.

Gangetic West Bengal

1. AMFU Kakadwip (Purba Medinipur and South 24 Parganas)

- Immediately drain out excess rainwater from fields of aman rice & winter vegetables (cabbage, cauliflower, tomato, brinjal) and betel vine garden.
- Postpone sowing of mustard until soil moisture becomes suitable for proper seed germination.

2. AMFU Kalyani (North 24 Parganas Howrah and Purba Bardhaman)

- Drain the excess water immediately from fields of rice (late sown varieties), mustard and vegetables.
- Postpone land preparation or sowing of potato until the rainfall subsides and the soil moisture reaches an optimum level.
- After cessation of rainfall, spray Mancozeb @ 2.5g/ lt water or Copper oxychloride @ 4 g / lt water in vegetables to prevent fungal diseases.

3. AMFU Kharagpur (Jhargram, Pashim Medinipur, Bankura and Purulia)

- Drain out excess water from rice fields.

- After cessation of rainfall, monitor rice fields for lodging and gently re-position lodged plants.
- Postpone the land preparation and sowing of *rabi* crops such as potato, mustard and rapeseed until soil moisture conditions become suitable for carrying out field operations.

Jharkhand

AMFU Ranchi (Lohardaga, Gumla, Simdega, Ramgarh, Khunti, Ranchi and Bokaro)

- Drain excess water from vegetable nurseries and standing kharif crops such as rice, pigeon pea, potato, tomato, chilli, brinjal and cole crops to prevent waterlogging.
- In lodged crops, gently provide support to crops wherever possible to minimise further losses.
- Assess nurseries for damage and take necessary measures to restore damaged nursery beds.
- Resume sowing of *rabi* crops such as wheat, mustard, rapeseed and vegetables only when excess soil moisture has drained and the soil reaches a suitable moisture condition.
- Spray 1% potassium nitrate as nutritional recovery in crops after excess water is removed from the field.

Tripura

AMFU Lembucherra (West Tripura, Sipahijala, Khowai, Gomati and South Tripura)

- Postpone planting of potato and sowing of vegetables until the rainfall subsides and the soil moisture reaches an optimum level.
- Maintain proper drainage in *boro* rice nurseries, fields of cowpea and already planted potato fields.

Mizoram

AMFU Kolasib (Kolasib, Aizawl, Champai and Siaha)

- Keep drainage channels clean in fields of standing crops such as mustard, cabbage and tomato to avoid water stagnation.
- Keep nurseries and orchard basins well drained and avoid unnecessary irrigation.
- After cessation of rainfall, remove fallen, diseased and mummified fruits from orange orchards and monitor for fruit fly and fungal rots.

Manipur

AMFU Lamphelpat (Jiribam, Noney, Chandel, Churachandpur and Pherzawl)

- Drain out excess rain water accumulated in fields of standing crops such as potato and garden pea.

South Assam

AMFU Diphu (West Karbi Anglong and Dima Hasao)

- Ensure proper drainage in fields of standing crops such as rice, sugarcane and black gram.
- Carry out staking or propping in tall, heavy or weak-stemmed crops such as banana, sugarcane, tomato and maize using bamboo or ropes to minimize lodging.
- Apply a light foliar spray of urea or micro-nutrients in standing crops once rain subsides to support crop recovery.

AMFU Karimganj (Cachar and Hailakandi)

- Postpone the harvesting of mature Sali rice until favourable weather conditions prevail.
- Postpone the sowing of rapeseed and *rabi* pulses such as rajma, black gram, French bean and garden pea and planting of potato tubers until the rainfall subsides and the field reaches a suitable moisture condition.

- In fields where potato planting has already been completed, carry out earthing up to promote proper tuber development.

Animal Husbandry

- Keep livestock in safe, elevated, dry and well-ventilated shelters. Avoid allowing animals to graze in waterlogged areas.
- Provide sufficient dry fodder and clean drinking water. Avoid feeding wet or mouldy fodder.
- Provide dry bedding and supplement the diet with appropriate mineral mixtures to maintain animal health and support immunity.

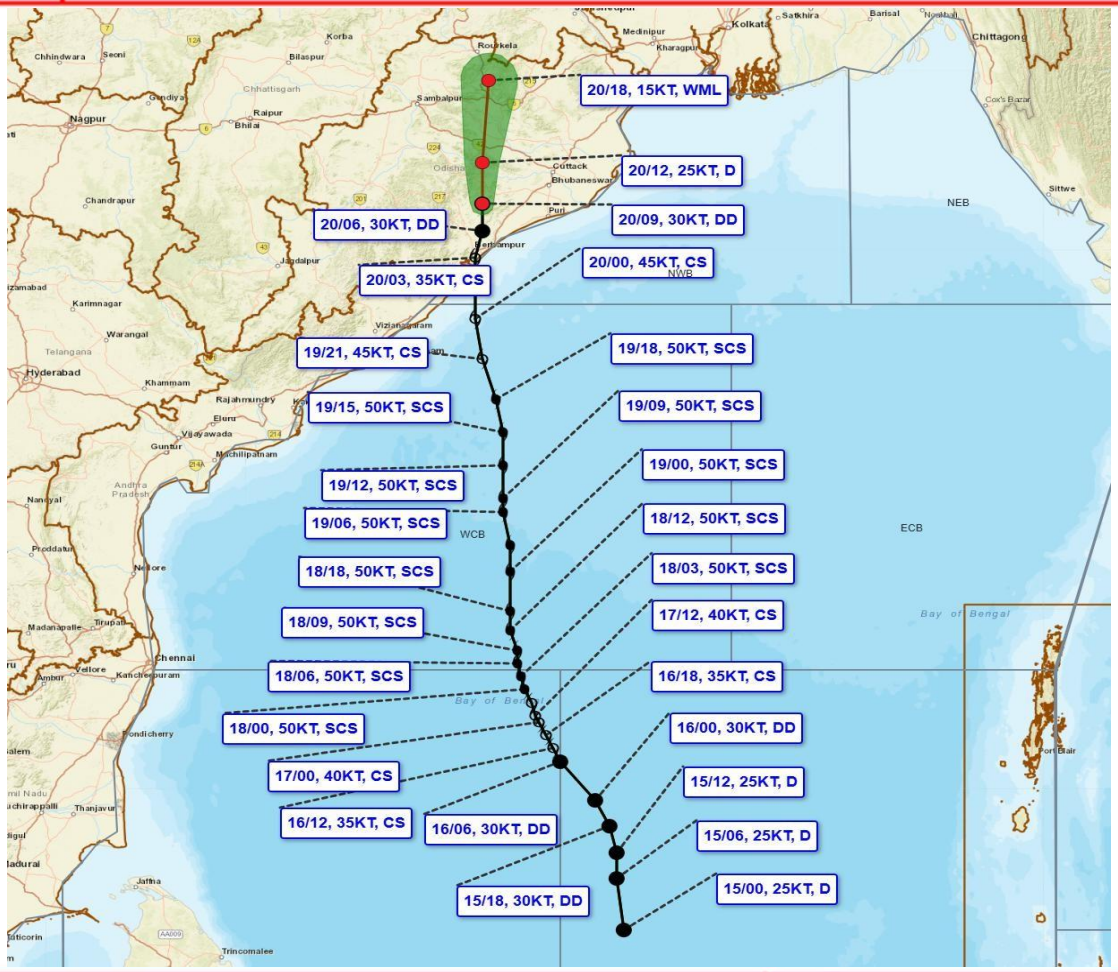
Poultry

- Keep poultry birds in elevated, dry and well-ventilated sheds. Protect poultry houses from strong winds and rain.
- Maintain dry litter inside sheds using lime / bleaching powder.
- Prevent rainwater entry and ensure proper ventilation.
- Strengthen sheds against heavy winds and avoid overcrowding.

Fisheries

- Fishermen avoid venturing into deep sea as the system intensifies and sea conditions become rough.
- Remove excess rainwater from fish ponds through properly screened outlets to prevent fish escape.
- Inspect and repair damaged pond embankments, inlet and outlet structures after cessation of rainfall.

OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMENANT OF CYCLONIC STORM "AKVAN") OVER SOUTH COASTAL ODISHA BASED ON 0900 UTC (1430 Hrs. IST) OF 20TH NOVEMBER 2026

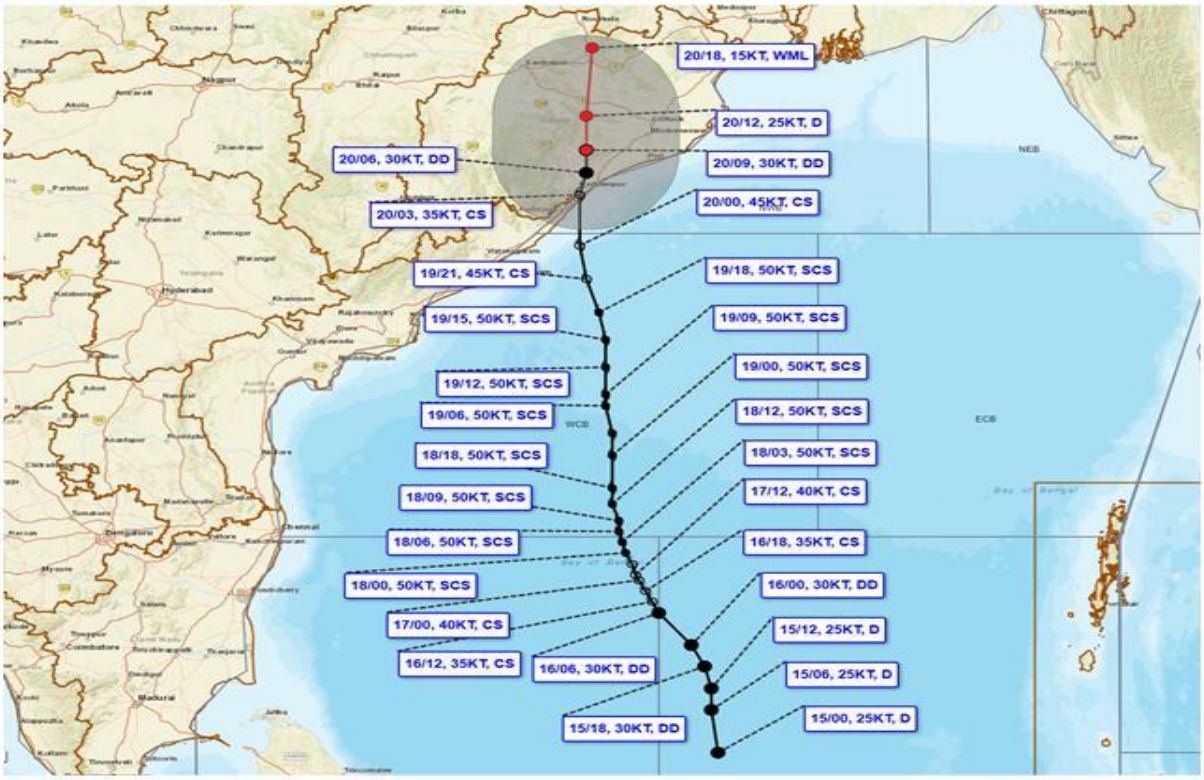


DATE/TIME IN UTC
IST= UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63 KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119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

KT (knot) = NAUTICAL MILES PER HOUR (1 KT = 1.85 KMPH)

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

OBSERVED AND FORECAST TRACK ALONG WITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION (REMENANT OF CYCLONIC STORM "AKVAN") OVER SOUTH COASTAL ODISHA BASED ON 0900 UTC (1430 Hrs. IST) OF 20TH NOVEMBER 2026



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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