

## Agromet Advisory Service Bulletin for the State of Odisha

(Advisories mentioned in the bulletin are prepared by different AMFUs and DAMUs in Odisha)

**Bulletin No. 50/2025**

**Issued on 26.06.2025**

### **Weather Forecast and Warnings (Met-Subdivision Level)**

Days/दिनों	Forecast/पूर्वानुमान	Warning/चेतावनी
Day 1 (Valid upto 0830 hrs IST of 27.06.2025)	Light to moderate rain or Thundershower very likely to occur at <b>most places</b> over the districts of Odisha.	<b>ORANGE WARNING:- (BE PREPARED TO TAKE ACTION)</b> Heavy to Very Heavy Rainfall and Thunderstorm with lightning with gusty surface wind speed reaching <b>30-40 kmph</b> very likely to occur at one or two places over the districts of Keonjhar, Sundargarh, Sambalpur, Sonepur, Balangir, Boudh.  <b>YELLOW WARNING:- (BE AWARE)</b> 1) Heavy Rain and Thunderstorm with lightning with gusty surface wind speed reaching <b>30-40 kmph</b> very likely to occur at one or two places over the districts of Bargarh, Nuapada, Angul, Dhenkanal, Deogarh, Mayurbhanj, Jharsuguda, Kalahandi, Kandhamal.  2) Thunderstorm with lightning with gusty surface wind speed reaching <b>30-40 kmph</b> very likely to occur at one or two places over the districts of Balasore, Bhadrak, Jajpur, Kendrapara, Cuttack, Jagatsinghpur, Puri, Khurda, Nayagarh, Ganjam, Gajapati.
Day 2 (Valid from 0830 hrs IST of 27.06.2025 to 0830 hrs IST of 28.06.2025)	Light to moderate rain or Thundershower very likely to occur at <b>many places</b> over the districts of Odisha.	<b>YELLOW WARNING:- (BE AWARE)</b> 1) Heavy Rain and Thunderstorm with lightning with gusty surface wind speed reaching <b>30-40 kmph</b> and very likely to occur at one or two places over the districts of Mayurbhanj, Keonjhar, Sundargarh, Jharsuguda,  2) Thunderstorm with lightning with gusty surface wind speed reaching <b>30-40 kmph</b> very likely to occur at one or two places over the districts of Balasore, Bhadrak, Jajpur, Kendrapara, Cuttack, Jagatsinghpur, Puri, Khurda, Nayagarh, Ganjam, Gajapati.
Day 3 (Valid from 0830 hrs IST of 28.06.2025 to 0830 hrs IST of 29.06.2025)	Light to moderate rain or Thundershower very likely to occur at <b>many places</b> over the districts of Odisha.	<b>YELLOW WARNING:- (BE AWARE)</b> Heavy Rain very likely to occur at one or two places over the districts of Bargarh, Sambalpur, Jharsuguda, Sundargarh.
Day 4 (Valid from 0830 hrs IST of 29.06.2025 to 0830 hrs IST of 30.06.2025)	Light to moderate rain or Thundershower very likely to occur at <b>many places</b> over the districts of North Odisha and at a few places over the districts of South Odisha	<b>YELLOW WARNING:- (BE AWARE)</b> Heavy Rain very likely to occur at one or two places over the districts of Keonjhar, Mayurbhanj, Sundargarh.
Day 5 (Valid from 0830 hrs IST of 30.06.2025 to 0830 hrs IST of 01.07.2025)	Light to moderate rain or Thundershower very likely to occur at <b>many places</b> over the districts of Odisha.	<b>YELLOW WARNING:- (BE AWARE)</b> Heavy Rain very likely to occur at one or two places over the districts of Keonjhar, Mayurbhanj, Balasore, Bhadrak, Nawarangpur, Kalahandi, Rayagada, Ganjam, Gajapati, Kandhamal, Koraput.
Day 6 (Valid from 0830 hrs IST of 01.07.2025 to 0830 hrs IST of 02.07.2025)	Light to moderate rain or Thundershower very likely to occur at <b>many places</b> over the districts of Odisha.	<b>YELLOW WARNING:- (BE AWARE)</b> Heavy Rain very likely to occur at one or two places over the districts of Koraput, Malkangiri, Nawarangpur, Kalahandi, Rayagada, Kandhamal, Ganjam, Gajapati.
Day 7 (Valid from 0830 hrs IST of 02.07.2025 to 0830 hrs IST of 03.07.2025)	Light to moderate rain or Thundershower very likely to occur at <b>many places</b> over the districts of Odisha.	<b>YELLOW WARNING:- (BE AWARE)</b> Heavy Rain very likely to occur at one or two places over the districts of Nuapada, Kandhamal, Kalahandi, Balasore, Rayagada, Ganjam, Gajapati.
Outlook for subsequent 3days (valid from 0830hrs IST of 03.07.2025 to 0830hrs IST of 06.07.2025)	<b>LITTLE CHANGE</b>	

**Extended Range forecast at Met-Subdivision Level (29<sup>th</sup> June to 05<sup>th</sup> July 2025)**

<b>Meteorological Sub-Division</b>	<b>Rainfall</b>	<b>Max Temp</b>	<b>Min Temp</b>
<b>Odisha</b>	Normal	Normal	Normal

**Likely impacts of weather warnings (General)**

**NIL**

**Impact based advisories (General)**

Name of Districts	Impact	Actions suggested
<b>Keonjhar, Sundargarh, Sambalpur, Sonepur, Balangir,Boudh.</b>	<ul style="list-style-type: none"> <li>Strong wind may damage plantation, horticulture and standing crops.</li> <li>Minor damage to loose / unsecured structures</li> <li>Partial damage to vulnerable structures due to strong winds.</li> <li>Minor damage to kutcha houses/walls and huts.</li> <li>Minor damage to power and communication lines.</li> <li>Major damage to Kutcha and some damage to Pucca roads.</li> <li>Breaking of tree branches and uprooting of trees.</li> <li>Moderate damage to banana and papaya trees. Large dead limbs blown from trees.</li> <li>Damage to embankments/ salt pans.</li> <li>Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.</li> <li>Occasional reduction in visibility due to heavy rainfall.</li> <li>Disruption of traffic in major cities and roadways due to water logging in roads and poor visibility due to heavy rain leading to increased travel time and incidents</li> <li>Localized Landslides/Mudslides/landslips/mud slips/land sinks/mud sinks.</li> <li>Likely disruption of marine and inland water transportation like small boats and trawlers</li> </ul>	<ul style="list-style-type: none"> <li>People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.</li> <li>Suspension of fishing operation and movement of ships in disturbed areas.</li> <li>Ports along the east coast of India may take necessary pre-cautions.</li> <li>Naval base operations may maintain necessary pre-cautions</li> <li>Tourism activities may be restricted over these areas.</li> <li>Judicious regulation of rail and road traffic</li> <li>Stay indoors, close windows &amp; doors and avoid travel if possible.</li> <li>Take safe shelters; do not take shelter under trees.</li> <li>Do not lie on concrete floors and do not lean against concrete walls.</li> <li>Unplug electrical/ electronic appliances.</li> <li>Immediately get out of water bodies.</li> <li>Keep away from all the objects that conduct electricity.</li> <li>Check for traffic congestion on your route before leaving for your destination.</li> <li>Follow any traffic advisories that are issued in this regard.</li> <li>Avoid going to areas that face the water logging problems often.</li> <li>Avoid staying in vulnerable structure.</li> </ul>

**Summary of four days rainfall over the State (22<sup>th</sup> June – 25<sup>th</sup> June 2025) :**

<b>Met Sub Division</b>	<b>22-06-2025</b>	<b>23-06-2025</b>	<b>24-06-2025</b>	<b>25-06-2025</b>
<b>Odisha</b>	SCT	FWS	FWS	FWS

**ISOL:** Isolated *i.e.* Rain at 1 or 2 places

**SCT:** Scattered *i.e.* Rain at a few places

**FWS:** Fairly Widespread *i.e.* Rain at many places

**WS:** Widespread *i.e.* Rain at most places

**DRY** No rain

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**Rainfall forecast for next 5 days**

<b>Met Sub Division</b>	<b>27-06-2025</b>	<b>28-06-2025</b>	<b>29-06-2025</b>	<b>30-06-2025</b>	<b>01-07-2025</b>
<b>Odisha</b>	WS	FWS	SCT	FWS	FWS

**ISOL:** Isolated *i.e.* Rain at 1 or 2 places

**SCT:** Scattered *i.e.* Rain at a few places

**FWS:** Fairly Widespread *i.e.* Rain at many places

**WS:** Widespread *i.e.* Rain at most places

**DRY:** No rain

## Agromet Advisories issued by different Agromet Field Units (AMFUs) of Odisha

### **1. East & South East coastal plain**

#### **AMFU Bhubaneswar (Kendrapada, Jagatsingpur, Khurda, Puri , Nayagarh , part of Cuttack & Ganjam)**

- ❖ As per the district level weather warning issued by IMD, the districts of Jagatsinghpur, Khordha and Puri may likely to receive light rainfall, whereas the district of Kendrapara may likely to receive light to moderate rainfall for the next five days.
- ❖ Do not keep standing water in paddy nursery.
- ❖ Make provisions for drainage, where kharif maize or pulses etc. have been sown.
- ❖ Selected nursery field should be ploughed 3- 4 times. Incorporate well decomposed Farm Yard Manure or cow-dung @ 8 quintals /acre during the final land preparation in direct seeded rice.
- ❖ Arhar can be grown as an intercrop in groundnut at 6:2 row ratio (Groundnut: Arhar) for more profit and soil health management.
- ❖ Repair water harvesting structures to store excess rain water for utilization in case of early or mid season droughts.
- ❖ Provide clean and adequate water to the cattle. Keep livestock inside the shelter when it rains or during thunderstorm activity.
- ❖ As thunderstorm with lightning are expected on nexttwodays,so farmers are advised not to stay in open fields, near trees, or water bodies during thunderstorms. Unplug farm equipment, motors, and irrigation pumps to avoid damage.

Crop	Stage	Advisory
<b>PADDY</b>	❖ <b>Wet Nursery Field Preparation-</b> In view of expected rainfall apply 200 kg of FYM, 4 kg of DAP,2.5 kg of MOP and 1 kg of Zinc sulphate during last puddling. Divide nursery area into smaller plots of 1.5-metre-long, 10 cm height and convenient length. Irrigation channels of size 30 cm in width should be made along the beds for irrigation/drainage. Sprouted Seeds should be sown @ 40-50 gram/ m2 area of seed bed by line sowing with 5 cm gap between each line or direct broadcasting and put dried compost over seeds Apply light irrigations to the nursery area particularly in the evening so that the field remains wet and do not keep standing water.	
<b>MAIZE</b>	Sowing	Seed rate for maize is 6-7kg/acre.To maintain optimum plant population, use seed drill for sowing or sow the seeds behind the plough. Apply 55 kg of DAP and 22-kg of potash as basal fertilizer. For chemical control of weeds in Maize, spray Atrazine 50 % W.P herbicide @ 800 g/acre by mixing it in 200 litres of water within 1-2 DAS on clear weather condition.
<b>GROUNDNUT</b>	Sowing	❖ After cessation of rain apply 2 tonne of well decomposed FYM, 35 kg DAP and 4kg Urea and 26 kg MOP per acre in the furrows before sowing as basal fertilizer. Apply well powdered Gypsum @ 100 kg/acre and incorporate into the soil along with the basal fertilizers, this will improve number of pods and pod filling. Mix the fertilizer with the soil so that seeds do not come in direct contact with the fertilizer. Keep line to line spacing of 30 cm and plant to plant spacing of 10 cm and put the seed in 3 cm depth.
<b>SUGARCANE</b>	Vegetative	❖ There are chances of top shoot borer infestation in sugarcane crop. To manage top shoot borer in in Sugarcane spray Fipronil 5 % SC (Reagent / Sergeant/Ashirwaad) @ 600- ml/acre or Profenophos 50% EC (Profex / Prahar/Capture) @ 400-ml/acre by mixing it in 200- litre of water in clear weather condition.
<b>CUCURBITS</b>	Vegetative - Fruiting stage	❖ To manage Downy Mildew disease in cucurbits spray Copper Hydroxide 77 % WP (Hi-dice/Kocide) @ 3-gram/litre or Fosetyl -AL 80 % WP (Aliette)@ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP (Saaf/Sixer) @ 2-gram/litre in clear weather condition.
<b>BRINJAL</b>	Nursery-Seedling	<ul style="list-style-type: none"> <li>• <b>Damping off disease</b> To control damping-off disease of brinjal seedlings in the nursery,after completion of rainfall drench the nursery bed soil with a solution of 20 g Metalaxyl 4% + Mancozeb 64% WP in 10 litres of water. The brinjal seedlings become ready for transplanting after 25–30 days of sowing. In the evening one day before uprooting the seedlings for transplanting, drench the nursery bed soil with a solution of 10 g Trichoderma viride (1% WP) or Trichoderma harzianum (1% WP) mixed in 10 litres of water to suppress soil-borne pathogens and promote healthy root growth.</li> </ul>
<b>OKRA</b>	Vegetative - Fruiting stage	<ul style="list-style-type: none"> <li>• <b>Management of aphids /Jassids</b>  During clear weather condition, to manage these pests at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM Azadiractin @600-ml/acre by mixing it in 200-litre of water. Install 8-10 Nos of Yellow sticky traps per acre to control the pest. To manage these sucking pests chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre or Fenobucarb @ 400-ml/acre or Tolfenpyrad 15 % EC @ 400-ml/acre by mixing it in 200-litre of water.</li> </ul>
<b>POULTRY</b>		<ul style="list-style-type: none"> <li>▪ During rainy season, make provision to ensure proper ventilation by allowing an opening of 1-2 ft at the top of side curtains during the day and the side walls of the empty shed should be completely covered with polythene curtains. The drainage ditch around the shed should be clear to avoid insect pest attack and in the roofs, the side overhangs should be minimum 3 to 4 ft to prevent entry of direct rain water into the shed. Deworming and vaccination of poultry birds against ranikhet disease must be ensured.</li> </ul>
<b>FISHERY</b>		<ul style="list-style-type: none"> <li>▪ <b>Carp culture in ponds(Fresh water)</b> Growing two or more types of fish together have more benefits than growing a single type of fish. Carp such as Catla, Rohu and Mrigal, which grow rapidly after eating from different levels of the pond should be stocked in a certain ratio like Catla 30-40 parts, Rohi 50-60 parts and Mrigal 3 parts to increase the benefits. In addition, silver carp, grass carp and common carp or Amur carp is released into the pond and the production is increased. Stocking of smaller size of fishes in pond should be avoided as this may result in higher mortalities and slow growth during the initial months. Therefore, 50-100gram size seeds should be left for higher survival rate and good growth. Generally, a density of 2000-3000 advance fingerlings/yearlings is kept as a standard stocking rate per acre. Groundnut oil cake and rice bran given in same ratio @ 5% of the total biomass of stocking material. Cow dung, urea and single super phosphate should be applied to increase pond quality. This allows the fish to grow well and become marketable within 8 to 10 months.</li> </ul>

## 2. North Eastern coastal plain:

### AMFU Ranital (Balasore, Bhadrak, parts of Jajpur)

<b>General Advisory</b>	<ol style="list-style-type: none"> <li>1. Prevailing periodically cloudy and sunny condition is favourable for insect pest attack in vegetable crops so its regular monitoring should be advised.</li> <li>2. As there is a chance of light to moderate rainfall in coming 5 days, farmers are advised to take proper care while conducting spraying operations.</li> <li>3. Drain out excess water from rice nursery &amp; vegetable field.</li> <li>4. Farmers are advised not to sow seeds in submergence condition.</li> </ol>	
<b>Crop Name</b>	<b>Crop Stage</b>	<b>Agromet Advisory</b>
<b>Kharif Rice</b>	Land preparation /Nursery	<ul style="list-style-type: none"> <li>➤ Prepare well pulverised nursery bed for Kharif Rice. Sowing of pre-generated seeds should be done after seed treatment with Carbendazim @ 2 gm along with Plantomycin @ 1 gm per Kg seed.</li> <li>➤ For Kharif paddy cultivation, use good quality seeds like- For Medium land -use Salandi,Kaling dhan-1301,Pratikhya For shallow medium land-Swarna,Ranidhan,Mrunalini,MTU-1140,Kaling Dhan 1401 For Low land- Kaling Dhan 1502,Kalachampa,Kaling Dhan-1501,CR-1009 For Flood affected area- Swarna sub 1,CR-1009 Sub 1</li> </ul>
<b>Sugarcane</b>	Vegetative stage	<ul style="list-style-type: none"> <li>➤ To control early shot borer in sugarcane foliar spray of Fipronil 5SC @400 ml/acre is advised.</li> <li>➤ Tie sugarcane leaves from four to five plants together to prevent lodging and carry out propping.</li> </ul>
<b>Vegetables</b>	Nursery/ Flowering/ Fruiting	<ul style="list-style-type: none"> <li>➤ Make drainage channels to remove excess water.</li> <li>➤ Farmers are advised to transplant okra &amp; brinjal plants after cessation of rainfall.</li> <li>➤ Seed/Root treatment with carbendazim should be done prior to sowing or transplanting.</li> <li>➤ Prevailing periodically cloudy and sunny condition is favourable for sucking insect pest attack in vegetable crops so its regular monitoring should be advised.</li> <li>➤ Prevailing weather condition may increase the mealy bug in okra &amp; brinjal to control this spraying of Thiamethoxam 0.4 g/l of water recommended.</li> </ul>
<b>Fruit</b>	sowing/ Fruiting	<ul style="list-style-type: none"> <li>➤ <b>Papaya-</b></li> <li>➤ Farmers are advised not sow the papaya seeds for next 2-3 days as rainfall is expected.</li> <li>➤ After cessation of rainfall, sowing can be done with seed treatment with carbendazim and Mancozeb @2g/kg seeds.</li> <li>➤ Staking should be done with bamboo and other types of sticks during the fruit development stage to protect the plant against winds &amp;rainfall.</li> </ul>
<b>Pisciculture</b>		<ul style="list-style-type: none"> <li>➤ Carp such as Rohu, Catla and Mrigal, which grow rapidly, should be stocked in a certain ratio of 4:3:3 to increase the benefits.</li> <li>➤ Generally, a density of 5,000 fingerlings/ha is kept as a standard stocking.</li> <li>➤ Groundnut oil cake and rice bran is given in same ratio @ 5% of the total biomass of stocking material. Cow dung, urea and super phosphate should be applied to increase pond quality. In 8-10 months, fishes attain their marketable size.</li> </ul>
<b>Livestock</b>	Cattle	<ul style="list-style-type: none"> <li>➤ Clean the animal shed by removing excreta &amp; provide clean drinking water to animals.</li> <li>➤ Fodder may be stored in safer place to avoid spoilage from rain.</li> </ul>

## 3. Western central table land:

### AMFU Chiplima (Sonepur, Bargarh, Bolangir, Boudh,Parts of Jharsuguda & Sambalpur)

<b>(i) General Advisory</b>		
<ul style="list-style-type: none"> <li>• As per the NDVI value obtained from the satellite product of IMD during 19.06.2025 to 25.06.2025, agricultural vigour is low to moderate at most of the places over the district.</li> <li>• There is a chance of light to moderate rainfall along with thunderstorm/lightning and heavy rainfall in one or two places over the district is expected in upcoming week so farmers are advised to conduct agricultural activities i.e. sowing, planting, spraying etc. accordingly.</li> <li>• Prevailing weather conditions (cloudy weather along with high humidity condition) may favour various diseases infestation like root rot, fusarium wilt, fruit rot, stem rot etc. in standing fruit and vegetable crops so farmers are advised to monitor their field regularly against these disease attacks.</li> </ul>		
<b>SMS Advisory</b>		
<ul style="list-style-type: none"> <li>• As per the district level forecast of IMD, heavy to very heavy rainfall is forecasted in first half of upcoming week, so farmers are advised to wait some days for irrigation as well as spraying operations.</li> </ul>		
<b>(ii) Crop and livestock Specific Agromet Advisory</b>		
<b>Name of the crop</b>	<b>Crop Stage</b>	<b>Agromet Advisories</b>
<b>Kharif Rice</b>	<b>Nursery bed preparation/ Sowing</b>	<ul style="list-style-type: none"> <li>• Considering the prevailing rainfall events, farmers are advised to start land preparation for nursery sowing of kharif paddy crop.</li> <li>• For wet-bed nursery, Pre-germinated seeds are broadcast on a soil that is thoroughly puddled and leveled. Drainage canals for proper removal of water must be constructed.</li> </ul>

		<ul style="list-style-type: none"> <li>To transplant one-acre area about 320 m<sup>2</sup> area nursery beds are required. Prepare wet nursery raised bed of 10cm high, 1.2-1.5m wide and of convenient length. Well defined irrigation/drainage channel of 30-45 cm width must be kept in between two beds.</li> <li>Use 12-16 kg seeds/acre of HYV and 5-6kg /acre of hybrids for nursery sowing. In less fertile lands for every 100 m<sup>2</sup> nursery apply nitrogen, phosphorus and potash fertilizer @ 0.5- 1.0kgofN, 0.5kgofP<sub>2</sub>O<sub>5</sub> and 0.5kgofK<sub>2</sub>O in wet nursery at the time of land preparation.</li> </ul>
<b>Maize</b>	<b>Sowing / Re-sowing</b>	<ul style="list-style-type: none"> <li>Looking to the upcoming rainfall events, farmers are advised to take proper care during sowing of Maize seed and sowing should be done after draining out excess water from field. If necessary, re-sowing should be done in case of poor or no germination due to water logged condition.</li> </ul>
<b>Ground nut</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>Farmers should wait some days for sowing operation in ground nut crop because heavy rainfall is expected in upcoming days which may affect the seed germination.</li> </ul>
<b>Fruit and Vegetable crops</b>	<b>Nursery/ Seedlings/ sowing/ Planting</b>	<ul style="list-style-type: none"> <li>Sowing as well as planting in fruit and vegetable crops should be done after proper drainage and also ensure adequate drainage in nursery bed.</li> <li>Monitoring against various diseases is advised which may occurred due to prevailing weather condition.</li> </ul>
<b>Livestock</b>		<ul style="list-style-type: none"> <li>Due to past weather events, transmission of many types of infectious animal diseases like FMD, HS, BQ etc. and multiplication of mosquitoes, flies and various microorganisms may increase so farmers should make arrangements for vaccination against those diseases as soon as possible and ensure deworming if necessary.</li> <li>Keep the animals away from any electrical devices during thunderstorm/lightning period and do not tie them up in outside.</li> </ul>
<b>Poultry</b>		<ul style="list-style-type: none"> <li>In the case of poultry, respiratory diseases, diarrhea and intestinal diseases are common in this time. Since drinking water gets contaminated during rainy days, it is necessary to ensure the provision of clean drinking water to the poultry birds.</li> <li>Farmers should make provision to ensure proper ventilation by allowing an opening of 1-2 ft at the top of side curtains during the day and the side walls of the empty shed should be completely covered with polythene curtains. The drainage ditch around the shed should be clear to avoid insect pest attack and in the roofs, the side overhangs should be minimum 3 to 4 ft to prevent entry of direct rain water into the shed.</li> </ul>

#### 4. Western undulating zone:

##### AMFU Bhawanipatna (Nuapada, Kalahandi)

###### General Advisory:

- Conserve rainwater by making bunds, especially in upland conditions.
- Prevailing weather condition (high relative humidity and cloudy sky) favors incidence of sucking pest. So, insect pests should be regularly monitored in standing crops like vegetables.
- Keeping in view the light to moderate rain forecast during the next five days, farmers are advised to stay updated regarding daily weather forecasts before taking crucial decisions like sowing, fertilizing, spraying, etc., which can be affected by rain.
- Complete main field preparation using available soil moisture, followed by sowing once the weather clears, as significant rainfall has been received last week.

<b>SMS Advisory</b>	<ul style="list-style-type: none"> <li>Apply Pendimethalin 30% EC @ 1 liter/acre by mixing with 200 liters of water within 3 days after sowing as pre-emergence herbicide in cotton crop.</li> </ul>
<b>Crop and Livestock Specific Advisory</b>	
<b>Crop (Stage)</b>	<b>Advisory</b>
<b>Field Crops</b>	
<b>Kharif Paddy (Nursery Raising/Sowing)</b>	<p><b>Seed Treatment:</b> Seeds should be treated with Trichoderma powder formulation @ 10 g/kg of seeds or Carbendazim 50% WP @ 2g/kg or Captan 50% WP or Thiram 75% WP @ 3g/kg of seed for 12-24 hrs before sowing in the nursery/main field to control seed and soil borne diseases.</p> <p><b>Nutrient Management:</b> Incorporate well decomposed FYM @ 8 q/acre during the final land preparation. Apply 26 kg DAP + 20 kg MOP in upland condition and 35 kg DAP + 27 kg MOP in medium and low land condition as basal application, however apply required dose of fertilizer based upon the soil test report. In zinc and boron deficit soil, apply Zinc Sulphate @ 10 kg/ac and Borax (10.5% B) @ 4kg/ac respectively, at the time of final land preparation.</p> <p><b>Weed Management:</b> Apply pre-emergence herbicide Pretilachlor 30.7% EC @ 800ml/acre or Oxyflourfen 23.5% EC @ 250 ml/acre or Oxadiargyl 6% EC @ 450 ml/ac by mixing with 200 liters of water at 1-2 days after transplanting</p> <p><b>Nursery Bed Preparation :</b></p> <ul style="list-style-type: none"> <li>Complete the preparation of nursery with raised bed without delay. To transplant one-acre area about 320 m<sup>2</sup> area (8 cents) nursery beds are required. Prepare wet nursery raised beds of 10cm high, 1.2-1.5 m wide and of convenient length. Well defined irrigation/drainage channel of 30-45 cm width must be kept in between two beds. Use 14-16 kg seeds /acre of HYV and 5-6 kg/acre of hybrids for nursery sowing.</li> </ul>
<b>Cotton (Sowing)</b>	<p><b>Seed rate:</b> 1kg/acre for normal planting and 5kg/acre for high density planting system.</p> <p><b>Seed Treatment:</b> Seed should be treated with Imidachloprid 70 WG @ 7g/kg of seed for protection against sucking pest.</p> <p><b>Recommended dose of Manures &amp; Fertilizer:</b> Apply FYM or Compost @ 2 tonnes/acre or Vermicompost @ 1 tonne/acre uniformly over the soil before ploughing. Apply DAP @ 120kg/ac + MOP @ 24 kg/ac in Hybrid varieties and DAP @ 90 kg/ac + MOP @ 18 kg/ac in case of high yielding varieties at the time of sowing, however apply required dose of fertilizer according to the soil test report.</p> <p><b>Weed Management:</b> Apply Pendimethalin 30% EC @ 1 liter/acre by mixing with 200 liters of water within 3 days after sowing and there should be sufficient soil moisture in the soil.</p>
<b>Arhar (Sowing)</b>	<p><b>Seed rate:</b> Early maturing varieties @ 8kg/acre and late maturing varieties @ 6kg/acre.</p> <p><b>Seed Treatment:</b> Treat the seed with Thiram (2gm) + Carbendazim (1gm) or Thiram @ 3 gm at seven days before sowing and with biological culture (Rhizobium and PSB culture) @ 20 g /kg seed followed by Tricoderma viridie 5-7g /kg of seed at the time sowing to minimise the soil and seed born diseases.</p> <p><b>Recommended dose of Manures &amp; Fertilizer:</b> Apply one tonne of FYM per acre at the time of final land preparation. Apply DAP 35 kg/ac + MOP 13 kg/ac + Urea 5 kg/ac + Gypsum/Phospho-gypsum @ 100kg/ac + ZnSO<sub>4</sub> @ 10kg/ac at the time of sowing, however apply required dose of fertilizer according to the soil test report.</p> <p><b>Weed management:</b> For one acre area, apply one liter of Pendimithalin 30% EC mixed with 200 liters of water as pre-emergence herbicide at 1-2 DAS.</p>
<b>Hybrid Maize (Sowing)</b>	<p><b>Seed rate:</b> 8kg/acre</p> <p><b>Seed treatment:</b> Seed treatment with suitable fungicide and insecticides is essential to prevent the crop from the attack of soil borne diseases and insect-pests. Treat 1 kg of seed with 2g (Bavistin + Captan in 1:1 ratio) and 4 g of Imidacloprid.</p> <p><b>Recommended dose Manures &amp; Fertilizer:</b> Apply 2-4 tonnes of FYM per acre at the time of final land</p>

	<p>preparation. Apply DAP 50 kg/ac + MOP 40 kg/ac at the time of sowing, however apply required dose of fertilizer according to the soil test report. If Zn or Bo deficient in soil, apply Zinc Sulphate @10kg/acre or Boron @ 4kg/ acre as basal.</p> <p><b>Weed Management:</b> Apply Atrazine 50% WP @ 500-800 g/acre by mixing with 200 liters of water within 3 days after sowing and there should be sufficient soil moisture in the soil.</p>
<b>Horticulture</b>	
<b>Brinjal &amp; Chilli</b> (Nursery/Sowing)	<ul style="list-style-type: none"> <li>Prepare raised bed nursery for Kharif vegetables like Brinjal, Chilli etc. for timely planting.</li> <li>Treat the seed with Trichoderma viride 1% @ 10g /kg or Captan 75% WS @ 2-3g/kg of seed before sowing to prevent diseases like wilting &amp; damping off.</li> </ul> <p><b>Seed rate-</b> 200-250 g/acre.</p>
<b>Livestock</b>	
<b>Cattle &amp; Buffalo</b>	<ul style="list-style-type: none"> <li>Keep sheds clean and dry to prevent mastitis and other bacterial infections as foot rot and mastitis cases can increase by up to 30% during prolonged wet conditions. Avoid feeding freshly harvested wet fodder to prevent bloat and diarrhea.</li> </ul>
<b>Goat &amp; Sheep</b>	<ul style="list-style-type: none"> <li>Avoid overstocking. Proceed with deworming without delay and repeat during the monsoon season to prevent parasite overload. Rotate grazing to reduce pasture contamination. Ensure dry, warm bedding for kids and protect them from chill wind.</li> </ul>
<b>Poultry</b>	<ul style="list-style-type: none"> <li>Monsoon often triggers disease outbreaks in poultry. Ensure proper ventilation to control humidity and ammonia buildup as wet litter increases the risk of coccidiosis and respiratory disease outbreaks.</li> </ul>

## 5. North Central plateau:

### AMFU Keonjhar(Mayurbhanj ,Major parts of Keonjhar)

- For paddy cultivation puddled the soil and make bunds to store standing water.
- Postpone all the spraying of chemicals and irrigations till the next advisory.
- Sowing activities to be started after the land gets little drier.
- Avoid water stagnation during sowing of vegetables and fruits.
- Harvest the matured fruits like mango and banana and store them at safe and dry places.

### SMS Advisory:

- Before sowing, seed treatment with Carbendazim @ 2g/Kg seed is must.

### Crop Specific Advisory:

Crop	Stage(s) of Crop	Crop Specific Advisory
<b>General Field preparation advisory:</b>		
<ul style="list-style-type: none"> <li>Clear the blockages for easy passing of excess water.</li> <li>Before going for any transplantation, make sure to remove all weeds from the field.</li> <li>Vermicompost and green manures should be used during the field preparation.</li> </ul>		
<b>Field crops:</b>		
<b>Maize</b>	Sowing/ Emergence	<ul style="list-style-type: none"> <li>Since, isolated heavy rainfall is predicted, it is better to sow seeds in next 2-3 days.</li> <li>Seed treatment is necessary and sow the seeds after rainfall stops.</li> <li>If already sown, prepare drainage channel to remove excess water from the field.</li> <li>Do not allow water stagnation near the seed placement zone as it will rot the emerging plant.</li> </ul>
<b>Paddy</b>	Nursery	<p><b>Nursery preparation:</b></p> <ul style="list-style-type: none"> <li>Soak the seeds in clean water for 6-10 hours and drain out water.</li> <li>Keep the seeds covered in gunny bags for 1-2 days until sprouting.</li> <li>Divide field into beds (1.5m width and convenient length).</li> <li>Nursery sowing can be done using 1000 m<sup>2</sup> area for 1 hectare paddy cultivation.</li> <li>Make proper bunds to keep standing water in the main field for puddling.</li> <li>Keep a watch on the germinated paddy seeds and take care until its establishment.</li> </ul>
<b>Greengram</b>	Sowing	<ul style="list-style-type: none"> <li>Postpone the sowing of greengram for next 2-3 days.</li> <li>For field preparation, plough or cultivate the field thoroughly.</li> <li>Make proper drainage to avoid any water logging in the field.</li> <li>Seed treatment before sowing is mandatory.</li> </ul>
<b>Vegetables:</b>		
<b>Bitter gourd</b>	Sowing	<ul style="list-style-type: none"> <li>Seed treatment before sowing with Carbendazim @ 2g/ Kg seed is necessary.</li> <li>The sowing must be done after rainfall ceases.</li> <li>Make trenches of 1ft*1ft and keep the trailings or planting material.</li> <li>Apply vermicompost and manure 3-4 days prior to sowing.</li> <li>Prepare a support structure for easy growth of the plants.</li> </ul>
<b>Brinjal</b>	Sowing	<ul style="list-style-type: none"> <li>There is prediction of heavy rainfall at isolated places over Keonjhar district. Therefore, prepare the field accordingly.</li> <li>Postpone the transplanting for next 3-4 days otherwise root rot may be seen due to water logging.</li> <li>Make sufficient drainage channels to remove excess water.</li> </ul>
<b>Tomato</b>	Sowing	<ul style="list-style-type: none"> <li>If possible germinate the tomato seeds in portrays and further transplant it to the field during favourable weather condition.</li> <li>New tomato plants may be transplanted at some height above the ground or in place where water stagnation is not a problem.</li> <li>Use 50% vermicompost and manures instead of all chemical fertilisers.</li> <li><b>Tomato wilting disease</b> may be seen during nursery raising. For this disease, uproot and discard the plants from its place.</li> </ul>
<b>Fruits:</b>		
<b>Banana</b>	Sowing/ Harvesting	<ul style="list-style-type: none"> <li>Dig hole of dimension 1.5 Ft x 1.5ft x 1.5ft and apply chloropyriphos. Dip the suckers in Carbendazim/ Mancozeb solution before transplanting.</li> <li>For freshly transplanting suckers, use sword suckers (narrow leaf) only for better fruit.</li> <li>Do not allow more than 1 or 2 suckers around the mother banana plant. Rather cut the extra suckers because extra suckers will deplete the nutrition of mother plant.</li> <li>Apply vermicompost and chloropyriphos to the digging hole.</li> </ul>



<b>Papaya</b>	Sowing	<ul style="list-style-type: none"> <li>Make proper drainage to remove excess water from the root zone of the plant.</li> <li>It is advised not to sow the papaya seeds for next 2-3 days as heavy rainfall is expected.</li> <li>After rainfall ceases, sowing can be done with seed treatment with carbendazim and Mancozeb @ 2g/kg seeds.</li> </ul>
<b>Flowers:</b>		
<b>Marigold</b>	Sowing	<ul style="list-style-type: none"> <li>Sow the well known good variety of marigold.</li> <li>Do not allow water logging and let them germinate.</li> <li>For better and fast germination, cover with the polythene allowing proper air circulation.</li> <li>Prepare the main field after rain stops.</li> </ul>

## 6. North western plateau:

### AMFU Kirei(Sundergarh , part of Deogarh & Sambalpur , Jharsuguda)

#### General Advisory :

Due to forecast of heavy to very heavy rainfall, provide drainage of excess water from the field. In the areas where already rain is received, go for cultivation and sow dhaincha @ 10 kg per acre which should be trampled at 3 week stage in the main paddy field. Deep ploughing of field by MB plough is advised. Based on soil moisture condition, prepare the field for kharif crop sowing.

Soil Testing : Soil test based fertilizer dose are to be applied.

#### Crop specific Advisory :

Name of the Crop	Stage of the Crop	Agromet Advisory
Kahrif 2025 Paddy:	Direct sown paddy  Preparatory & Nursery stage	<ul style="list-style-type: none"> <li>In medium land, basing upon the soil moisture go for mechanized sowing by tractor operated seed drill.</li> <li>Medium duration variety like Improved Lalat, MTU 1153, Kalinga Dhan 1203, Swarna Shreya, Naveen can be taken.</li> <li>Prepare the well tilled dry nursery for kharif season. The area is 10 decimal for one acre. The bed size is to be 3 ft width with 6 inch raised bed and length as per suitability. Keep a gap of 30-50 cm between the beds for ease of operations and draining excess water from the nursery. In case of organic method of seed treatment before sowing treat the seeds with Trichoderma @ 4 g per kg seed or treat the seeds with Beejamrut in natural way. Apply 40 baskets of FYM, 12 kg SSP and 2 kg MOP in the nursery of 10 decimal. Hybrid Paddy seeds are Ajay, Rajalaxmi, Arize, KRH @ 6 kg/acre. Choose Suitable varieties according to land type like for medium land select 120-140 days duration variety like MTU 1153, Swarna shakti, Swarna Samrudhi, Prativa, bina 11, Improved Lalat and for Low land Select Swarna Hasanta, Pooja, CR Sugandhi Dhan 907.</li> </ul>
Ragi / Millets	Nursery/Sowing	<ul style="list-style-type: none"> <li>Where the rain is already received, based on soil moisture condition, go for field preparation and directly sow the treated millet seeds like Little millet, Ragi, Bajra, Foxtail Millet and ragi seeds in the line. Due to excess rainfall received, if the field is too much wet then postpone sowing during this rainfall period. Wait and watch for further progress of kharif activities. Use quality seeds like Arjuna, Kalua, Bhairavi, Chilika and seed rate is 1.5 kg for SMI methos, 2.5 Kg for line sowing and 4 kg/ac for broadcasting. Apply 10 g N and 10 kg P per sq meter of nursery. For direct sowing apply 4 t FYM/ac. The fertilizer dose is 50:25:25 kg NPK/ha. To protect from termites apply 10kg Chlorpyriphos at final preparation of the field.</li> </ul>
Arhar	Sowing	<ul style="list-style-type: none"> <li>In case of optimum soil moisture areas, sow early to medium variety of Arhar like, Pusa Arhar, PRG 176 VL Arhar 1 @ 8 kg per acre. Spacing is 45 x 20 cm.</li> </ul>
Maize	Sowing	<ul style="list-style-type: none"> <li>In the already sown field drain out excess water from the field to prevent waterlogging condition.</li> </ul>
Groundnut	Sowing	<ul style="list-style-type: none"> <li>Select good variety like Kalinga Chinabadam, Dharani, Devi, Kadri 9. Seed rate is 40 kg seed/acre. Treat the seeds with Rhizobium @ 20 g per kg of seed.</li> </ul>
Turmeric	Sowing	<ul style="list-style-type: none"> <li>Based on soil moisture condition, June month is good for turmeric sowing. Good varieties are Roma, Rashmi, Ranga, Suroma. Seed rate is 8-10 q/ac. Each piece should contain at least 2-3 eyes and of 20-25 g. Prepare the beds of 1 m width and 15 cm raised bed with suitable length beds for sowing the turmeric.</li> </ul>
Fruit Seedlings sowing		<ul style="list-style-type: none"> <li>Do not plant the fruit plants during heavy rainfall period.</li> </ul>
Animal		<ul style="list-style-type: none"> <li>Check the animal shed for leakage of rainfall on roof and close the leakage holes and the shed should not be wet and it should be clean.</li> </ul>
Pisciculture:		<ul style="list-style-type: none"> <li>Clear the pond and remove any predatory fish and trim and clean the bunds of the pond.</li> </ul>

## 7. North Eastern Ghats:

### AMFU G.Udaigiri(Rayagada, Gajapati, parts of Ganjam , Kandhamal ,small patches of Koraput)

- In view of light to moderate rainfall forecast harvest the matured produce and keep the harvested product in safe place.
- Cover the vegetable nursery with polythene sheet to save it from rain.
- Farmers are advised to postponed spray pesticides and application of fertilizer in next four days.
- Keep the livestock indoors during rainfall.
- Green manuring crop like Dhanicha/ Sunhemp may be sown @ 10 kg/ha depending on the land.
- Newly released varieties of different crops from OUAT, Bhubaneswar, NRRI, OSSC may be collected for seed sowing and transplanting in coming days.
- Grow OUAT Ragi variety Shreeratna duration 117 days, avg yield 23.5 q/ha.

#### **PADDY:Sowing**

- Upland rice varieties (Matures in 100-120 days) like Khandagiri, Sahabhagi Dhan, Mandakini, Naveen, GB-1, Bina-11, MTU-1010, Satyabhama, Swarna Shreya etc. can be cultivated. Medium land rice varieties (Matures in 120-140 days) like MTU 1156, MTU 1153, Lalat, Improved Lalat, Manaswini, MTU-1001, Sampada, Gitanjali, Nuaacharmati etc can be cultivated. Low land rice varieties (Matures >140 days) like Pratikshya, Swarna, Swarna Sub-1, Mrinalini, Hashanta, Rani Dhan, Pooja, MTU-1064, Sarala, Durga, Pradha Dhan etc can be cultivated.
- Land preparation for sowing and seed bed for transplanting in one month ahead.
- Green manuring crop like Dhanicha/ Sunhemp may be sown @ 10 kg/ha depending on the land.

#### **Intercrop:**

- Maize + Cowpea intercropping be taken at the ratio 2:2 or 2:1 to get more maize equivalent yield and income.
- Turmeric + pigeon pea intercrop can be taken at the ratio of 10:2 in kharif season.
- Turmeric+ Okra intercropping can be taken at the ratio of 10:2 in kharif season.
- Maize + tuber crops such as maize+yam, maize+sweet potato and maize + yam bean will be profitable with organic management such as application of Bio-Fertilizer consortium 5 kg/ha + FYM 5t/ha + vermicompost 2t/ha at top dressing.

#### **Pointed gourd:**

- Flubendamide 39 % m @ 125 ml/ha and Chlorotraniiprole 18.5 % WSC @ 150 ml/ha alternately to control fruit borer in pointed gourd.

#### **Fruiterop:**

- Mango, Papaya, Litchi, Jackfruit, Ber, Guava seedling may be planted in June -july by treating the pit with chloropyriphos.
- Fertilizer, FYM and steramil may be added to pit before planting.

#### **Vegetables:**

Apply 10 kg of bleaching powder in soil 15 days before planting of solanaceous vegetables like Brinjal, tomato etc. to avoid wilting.

Nursery raising of vegetable seedling in polyhouse and net house to avoid damping off seedling.

#### **Turmeric/Ginger:**

Rhizome treatment with (Carbendazim+Mancozeb) @ 2 gm/l of water with Chlorpyriphos @ 5 gm /l for half an hour and dry under shade before planting.

Raised beds of 10 inch height with 1 m width may be done to avoid Rhizome rot of ginger.

Apply FYM 5t/ha and sal leaf mulch 6t/ha for organic turmeric cultivation.

#### **Livestock:**

- Cattles/sheep/goats must be kept in shed at the time of thunderstorm, lighting and heavy wind.
- Avoid feeding green spouted, rotten or soiled potatoes to dairy animals. Which causes severing fatal poisoning.
- Vaccination & Deworming of animals are to be done in right time to escape from FMD, PPR, HS, BQ and Enterotoxaemia.
- Provide a balance diet conserving milk production and maintenance needs.

#### **Pisciculture:**

Stocking of male tilapia fingerlings @ 100 per m3 performs good yield in bio floc system.

Application of CIFRI-Arcure (TANDOV/DANAV) @ 40 ml/Acre 3 times at 7 days interval reduce the external crustacean parasite and increase yield.

Stocking of yearling of IMC 5000 no/ha planting of papaya, Banana, Betelnut & Drumstick in pond dukes+ duckery 25 nos/ha strengthen the pond-based IFS with full utilization of area with additional income.

### **8. Eastern Ghats highland:**

#### **AMFU Semiliguda (Nawarangpur, Major parts of Koraput)**

##### **General:**

- Carry out timely weeding before transplanting or sowing.
- Due to high humidity and temperature, pest and disease attacks may increase – stay alert and act early.
- Ensure all standing crops have good drainage facilities to avoid waterlogging.
- Store fertilizers and pesticides safely in dry places.
- Farmers should stay updated with local weather and agriculture department advisories.

SMS Advisory	➤ If leaf spot disease appears due to humid weather, spray with Mancozeb @ 2.5g/litre.
<b>Crop and Livestock specific Advisory</b>	
Crop (Stage)	Advisory
Rice:	<ul style="list-style-type: none"><li>➤ <b>Seed Treatment:</b>Seeds should be treated with Trichoderma powder formulation @ 10 g/kg of seeds or Carbendazim 50% WP @ 2g/kg or Captan 50% WP or Thiram 75% WP @ 3g/kg of seed for 12-24 hrs before sowing in the nursery/main field to control seed and soil borne diseases.</li><li>➤ <b>Nutrient Management:</b>Incorporate well decomposed FYM @ 8 q/acre during the final land preparation. Apply 26 kg DAP + 20 kg MOP in upland condition and 35 kg DAP + 27 kg MOP in medium and low land condition as basal application, however apply required dose of fertilizer based upon the soil test report. In zinc and boron deficit soil, apply Zinc Sulphate @ 10 kg/ac and Borax (10.5% B) @ 4kg/ac respectively, at the time of final land preparation.</li><li>➤ <b>Weed Management:</b>Apply pre-emergence herbicide Pretilachlor 30.7% EC @ 800ml/acre or Oxyflourfen 23.5% EC @ 250 ml/acre or Oxadiargyl 6% EC @ 450 ml/ac by mixing with 200 liters of water at 1-2 days after transplanting</li><li>➤ <b>Nursery Bed Preparation:</b> Complete the preparation of nursery with raised bed without delay. To transplant one-acre area about 320 m2 area (8 cents) nursery beds are required. Prepare wet nursery raised beds of 10cm high, 1.2-1.5m wide and of convenient length. Well defined irrigation/drainage channel of 30-45 cm width must be kept in between two beds. Use 14-16 kg seeds /acre of HYV and 5-6 kg/acre of hybrids for nursery sowing.</li></ul>
Finger Millet:	<ul style="list-style-type: none"><li>➤ Continue with nursery bed preparation and sowing in medium to upland areas.</li><li>➤ Maintain proper spacing between seedlings during transplanting to avoid fungal diseases.</li><li>➤ Apply recommended basal fertilizers at the time of transplanting.</li><li>➤ Monitor for blast disease; apply fungicide if needed after rain.</li></ul>



<b>Maize:</b>	<ul style="list-style-type: none"> <li>➤ <b>Seed rate</b>-8kg/acre</li> <li>➤ <b>Seed treatment:</b> Seed treatment with suitable fungicide and insecticides is essential to prevent the crop from the attack of soil borne diseases and insect-pests. Treat 1 kg of seed with 2g (Bavistin + Captan in 1:1 ratio) and 4 g of Imidacloprid.</li> <li>➤ <b>Recommended dose Manures &amp; Fertilizer:</b> Apply 2-4 tonnes of FYM per acre at the time of final land preparation. Apply DAP 50 kg/ac + MOP 40 kg/ac at the time of sowing, however apply required dose of fertilizer according to the soil test report. If Zn or Bo deficient in soil, apply Zinc Sulphate @10kg/acre or Boron @ 4kg/ acre as basal.</li> <li>➤ <b>Weed Management:</b>Apply Atrazine 50% WP @ 500-800 g/acre by mixing with 200 liters of water within 3 days after sowing and there should be sufficient soil moisture in the soil.</li> </ul>
<b>Ginger/Turmeric:</b>	<ul style="list-style-type: none"> <li>➤ Regular earthing up should be done for better rhizome development.</li> <li>➤ Apply mulching (dry leaves/straw) to conserve moisture and suppress weeds.</li> </ul> <p><b>Section 1.02 If leaf spot disease appears due to humid weather, spray with Mancozeb @ 2.5g/litre.</b></p>
<b>Brinjal/Tomato/Chilli:</b>	<ul style="list-style-type: none"> <li>➤ High humidity and cloud cover may favor pest/disease outbreak.</li> <li>➤ Prepare raised nursery beds or planting beds to avoid waterlogging.</li> <li>➤ Mulching recommended to retain moisture.</li> <li>➤ Monitor for fruit borers and aphids; use neem-based insecticides as a preventive measure.</li> <li>➤ Stake tomato plants to prevent lodging due to wind and rain.</li> </ul>
<b>Livestock</b>	
<b>Cattle:</b>	<ul style="list-style-type: none"> <li>➤ Provide clean drinking water and shelter during rainy spells.</li> <li>➤ Keep the cattle shed clean to prevent ectoparasites like ticks and lice.</li> <li>➤ Avoid grazing during heavy rainfall to prevent foot rot diseases.</li> <li>➤ Prepare green fodder reserves for the rainy season.</li> </ul>

## 9. Mid central table land:

### AMFU Mahisapat(Angul,Dhenkanal, parts of Cuttack & Jajpur)

#### General Advisory:

- ❖ Farmers are advised to go for sowing of kharif Paddy, Finger millet, Arhar, Groundnut, Sesame after receding of rainfall.
- ❖ Drain out excess water from standing vegetable crops as there may be a chance of water logging condition due to past heavy rainfall.
- ❖ Prevailing high humidity and cloudy condition favorable for many diseases and pests in standing crops. Regular monitoring with appropriate plant protection measure should be taken up.
- ❖ Keeping in view of light rainfall forecast withheld application of pesticide and fertilizer to standing crops for the time being.

Crop	Stage	Agro-metAdvisory
<b>PADDY</b>	Nursery	<ul style="list-style-type: none"> <li>• Farmers are advised to drain out excess water from paddy nursery.</li> <li>• Do not keep standing water in paddy nursery.</li> <li>• For each square metre of nursery bed apply 10 gram of DAP and 10 grams of MOP.</li> </ul>
<b>FINGER MILLET</b>	Nursery	<ul style="list-style-type: none"> <li>• It is time for nursery sowing of Finger millet. Grow high yielding varieties like Divyasingh, AKP-2, AKP-3, AKP-7, Godavari, Neelachal, Bhairavi, Shubhra, and Chilika.</li> <li>• Use 2 to 2.5 kg seeds /acre for transplanting. Before sowing treat the seeds with 3 g Thiram or 1g Trycychlozole per kg Seeds.</li> <li>• Apply 10 g each of Nitrogen and Phosphorous per sq. metre of nursery bed and mix it thoroughly. Sow the seeds uniformly over the beds and cover the seeds thinly with powdered soil.</li> </ul>
<b>MAIZE</b>	Sowing	<ul style="list-style-type: none"> <li>• Maize cannot tolerate standing water. Proper drainage should be done to avoid water logging.</li> </ul>
<b>GREEN GRAM &amp; BLACK GRAM</b>	Sowing	<ul style="list-style-type: none"> <li>• For Kharif Green gram and Black gram, sow the seeds in June-July according to the moisture status of soil.</li> <li>• Some developed varieties of kharif green gram are- Sujata, Durga, Samrat, HUM1, Kamdev, etc.</li> <li>• Some developed varieties of black gram are- Shanti, Ujala, Mahuri, Uttara, Prasad, Sarala, etc.</li> <li>• 10 kg seeds are required for sowing in 1 acre area. Seed treatment should be done before 1 week of sowing with 1.5 gram carbendazim per kg of seeds.</li> </ul>
<b>GROUNDNUT</b>	Sowing	<ul style="list-style-type: none"> <li>• Apply 4-kg Urea, 35 kg DAP and 26 kg MOP per acre in the furrows before seed sowing.</li> <li>• Apply well powdered Gypsum @ 100 kg/acre and incorporate into the soil along with the basal fertilisers, this will improve number of pods and pod filling.</li> </ul>
<b>BRINJAL</b>	Pre-sowing	<ul style="list-style-type: none"> <li>• Apply 20 kg Urea, 52 Kg DAP and 20 Kg MOP as basal fertilizer.</li> <li>• Maintain row to row spacing of 75 cm and plant to plant spacing of 60 cm.</li> </ul>
<b>OKRA</b>	Pre-sowing	<ul style="list-style-type: none"> <li>• For HYV apply 26kg of DAP, 20kg of MOP and 10kg of Urea as basal fertilizer by maintaining row to row and plant to spacing at 30 cm.</li> <li>• For Hybrids apply 35kg of DAP, 25kg of MOP and 20kg of Urea as basal fertilizer by maintaining row to row spacing at 60 cm whereas plant to spacing at 45cm.</li> </ul>
<b>LIVESTOCK</b>		<ul style="list-style-type: none"> <li>• Keep the animals inside the shade during rainy hours and thunderstorm activity.</li> <li>• Provide dry grass and clean water to farm animals.</li> <li>• Vaccinate the animals against FMD, HS and BQ.</li> </ul>

## 10. South Eastern Ghats:

### AMFU Malkangiri(Malkangiri , parts of Koraput)

#### General:

- Carry out timely weeding before transplanting or sowing.
- Due to high humidity and temperature, pest and disease attacks may increase – stay alert and act early.
- Ensure all standing crops have good drainage facilities to avoid waterlogging.
- Store fertilizers and pesticides safely in dry places.
- Farmers should stay updated with local weather and agriculture department advisories.

SMS Advisory	➤ If leaf spot disease appears due to humid weather, spray with Mancozeb @ 2.5g/litre.
<b>Crop and Livestock specific Advisory</b>	
Crop (Stage)	Advisory
<b>Rice:</b>	<ul style="list-style-type: none"> <li>➤ <b>Seed Treatment:</b>Seeds should be treated with Trichoderma powder formulation @ 10 g/kg of seeds or Carbendazim 50% WP @ 2g/kg or Captan 50% WP or Thiram 75% WP @ 3g/kg of seed for 12-24 hrs before sowing in the nursery/main field to control seed and soil borne diseases.</li> <li>➤ <b>Nutrient Management:</b>Incorporate well decomposed FYM @ 8 q/acre during the final land preparation. Apply 26 kg DAP + 20 kg MOP in upland condition and 35 kg DAP + 27 kg MOP in medium and low land condition as basal application, however apply required dose of fertilizer based upon the soil test report. In zinc and boron deficit soil, apply Zinc Sulphate @ 10 kg/ac and Borax (10.5% B) @ 4kg/ac respectively, at the time of final land preparation.</li> <li>➤ <b>Weed Management:</b>Apply pre-emergence herbicide Pretilachlor 30.7% EC @ 800ml/acre or Oxyflourfen 23.5% EC @ 250 ml/acre or Oxadiargyl 6% EC @ 450 ml/ac by mixing with 200 liters of water at 1-2 days after transplanting</li> <li>➤ <b>Nursery Bed Preparation:</b> Complete the preparation of nursery with raised bed without delay. To transplant one-acre area about 320 m2 area (8 cents) nursery beds are required. Prepare wet nursery raised beds of 10cm high, 1.2-1.5m wide and of convenient length. Well defined irrigation/drainage channel of 30-45 cm width must be kept in between two beds. Use 14-16 kg seeds /acre of HYV and 5-6 kg/acre of hybrids for nursery sowing.</li> </ul>
<b>Finger Millet:</b>	<ul style="list-style-type: none"> <li>➤ Continue with nursery bed preparation and sowing in medium to upland areas.</li> <li>➤ Maintain proper spacing between seedlings during transplanting to avoid fungal diseases.</li> <li>➤ Apply recommended basal fertilizers at the time of transplanting.</li> <li>➤ Monitor for blast disease; apply fungicide if needed after rain.</li> </ul>
<b>Maize:</b>	<ul style="list-style-type: none"> <li>➤ <b>Seed rate-</b>8kg/acre</li> <li>➤ <b>Seed treatment:</b> Seed treatment with suitable fungicide and insecticides is essential to prevent the crop from the attack of soil borne diseases and insect-pests. Treat 1 kg of seed with 2g (Bavistin + Captan in 1:1 ratio) and 4 g of Imidacloprid.</li> <li>➤ <b>Recommended dose Manures &amp; Fertilizer:</b> Apply 2-4 tonnes of FYM per acre at the time of final land preparation. Apply DAP 50 kg/ac + MOP 40 kg/ac at the time of sowing, however apply required dose of fertilizer according to the soil test report. If Zn or Bo deficient in soil, apply Zinc Sulphate @10kg/acre or Boron @ 4kg/ acre as basal.</li> <li>➤ <b>Weed Management:</b>Apply Atrazine 50% WP @ 500-800 g/acre by mixing with 200 liters of water within 3 days after sowing and there should be sufficient soil moisture in the soil.</li> </ul>
<b>Ginger/Turmeric:</b>	<ul style="list-style-type: none"> <li>➤ Regular earthing up should be done for better rhizome development.</li> <li>➤ Apply mulching (dry leaves/straw) to conserve moisture and suppress weeds.</li> </ul> <p><b>Section 1.03 If leaf spot disease appears due to humid weather, spray with Mancozeb @ 2.5g/litre.</b></p>
<b>Brinjal/Tomato/Chilli:</b>	<ul style="list-style-type: none"> <li>➤ High humidity and cloud cover may favor pest/disease outbreak.</li> <li>➤ Prepare raised nursery beds or planting beds to avoid waterlogging.</li> <li>➤ Mulching recommended to retain moisture.</li> <li>➤ Monitor for fruit borers and aphids; use neem-based insecticides as a preventive measure.</li> <li>➤ Stake tomato plants to prevent lodging due to wind and rain.</li> </ul>
<b>Livestock</b>	
<b>Cattle:</b>	<ul style="list-style-type: none"> <li>➤ Provide clean drinking water and shelter during rainy spells.</li> <li>➤ Keep the cattle shed clean to prevent ectoparasites like ticks and lice.</li> <li>➤ Avoid grazing during heavy rainfall to prevent foot rot diseases.</li> <li>➤ Prepare green fodder reserves for the rainy season.</li> </ul>

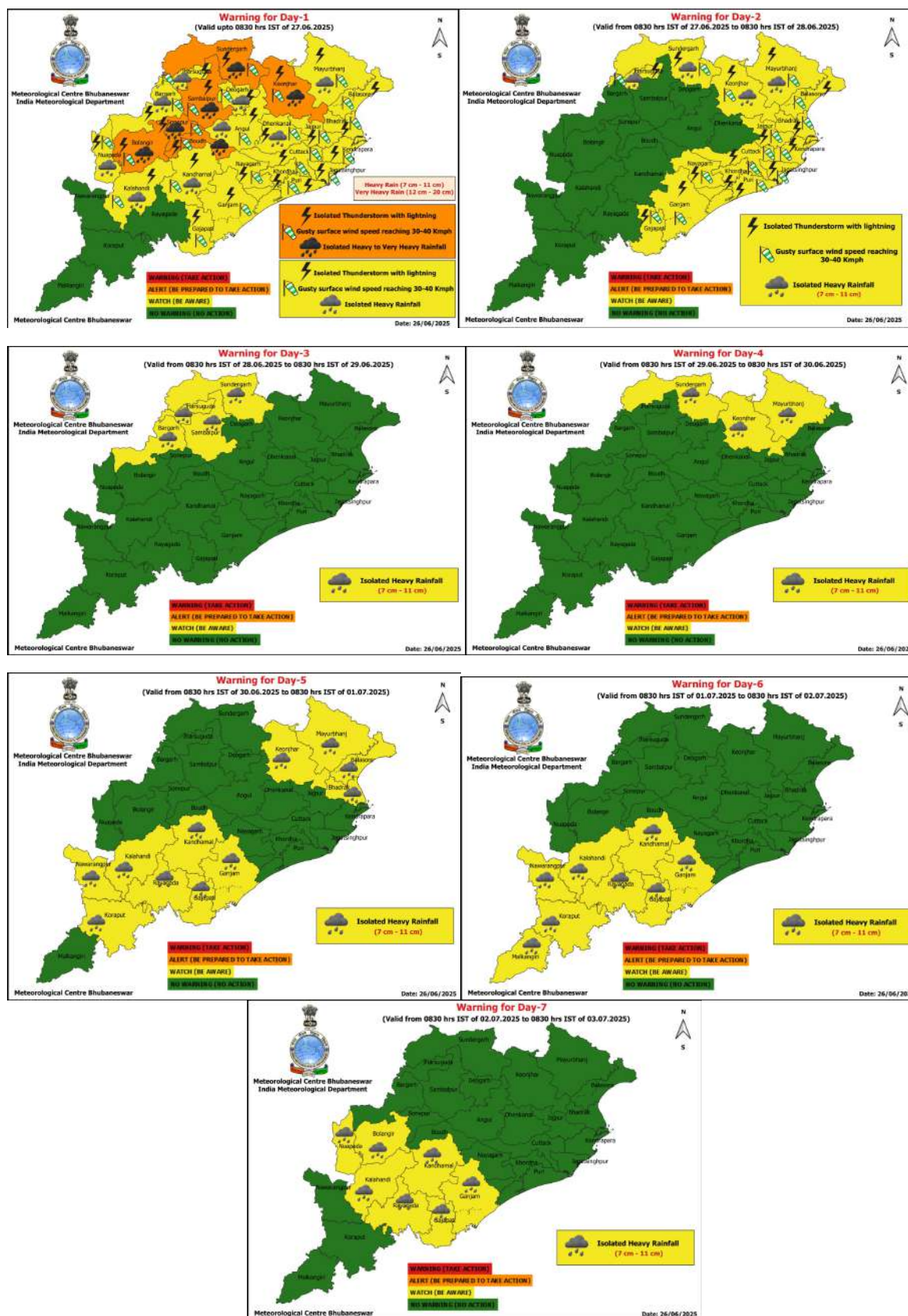
## District-level Weather warnings issued by MC Bhubaneswar

Warnings over the State.

**Day-1 : Thunderstorm/Lightning, Gusty Surface Wind & Heavy to Very Heavy Rainfall warnings.**

**Day-2 : Thunderstorm/Lightning, Gusty Surface Wind & Heavy Rainfall warnings.**

**Day-3 to Day-7 : Heavy Rainfall warnings.**

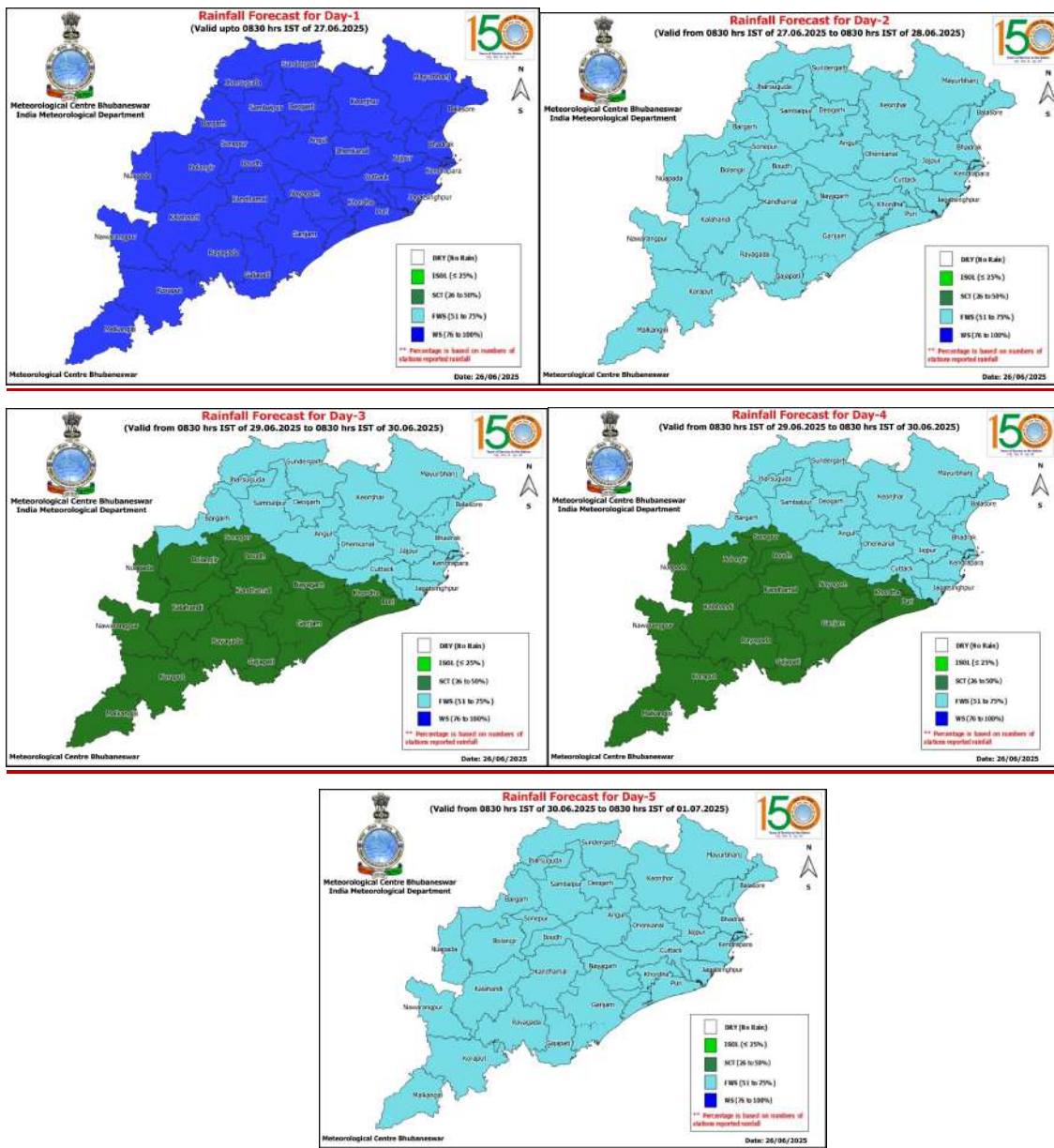




## Annexure II

### Meteorological Subdivision Level Rainfall Weather Forecast for next 5 days

Day-1 to Day-7 : Light to Moderate Rain/Thundershower very likely to occur over the marked districts.



## Annexure III

### District Forecast & Warning for Next 7 days

#### Weather Forecast for 7 days/7दिनों के लिए मौसम का पूर्वानुमान

Name of the Districts	Weather Forecast for 7 days/7दिनों के लिए मौसम का पूर्वानुमान								Outlook for Subsequent 03 days
	DAY 1 valid up to 0830 hrs IST of 27.06.2025	DAY 2 valid from 0830 hrs IST of 27.06.2025 to 0830 hrs IST of 28.06.2025	DAY 3 valid from 0830 hrs IST of 28.06.2025 to 0830 hrs IST of 29.06.2025	DAY 4 valid from 0830 hrs IST of 29.06.2025 to 0830 hrs IST of 30.06.2025	DAY 5 valid from 0830 hrs IST of 30.06.2025 to 0830 hrs IST of 01.07.2025	DAY 6 valid from 0830 hrs IST of 01.07.2025 to 0830 hrs IST of 02.07.2025	DAY 7 valid from 0830 hrs IST of 02.07.2025 to 0830 hrs IST of 03.07.2025		







South Coastal Odisha	Gajapati	WS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	LITTLE CHANGE
	Ganjam	WS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	LITTLE CHANGE
	Puri	WS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	LITTLE CHANGE
	Khurda	WS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	LITTLE CHANGE
	Nayagarh	WS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	FWS LIGHT to MODERATE RA/TSH	LITTLE CHANGE

Region	Name of the Districts	Weather Warnings for 7 days						
		DAY 1 valid up to 0830 hrs IST of 27.06.2025	DAY 2 valid from 0830 hrs IST of 27.06.2025 to 0830 hrs IST of 28.06.2025	DAY 3 valid from 0830 hrs IST of 28.06.2025 to 0830 hrs IST of 29.06.2025	DAY 4 valid from 0830 hrs IST of 29.06.2025 to 0830 hrs IST of 30.06.2025	DAY 5 valid from 0830 hrs IST of 30.06.2025 to 0830 hrs IST of 01.07.2025	DAY 6 valid from 0830 hrs IST of 01.07.2025 to 0830 hrs IST of 02.07.2025	DAY 7 valid from 0830 hrs IST of 02.07.2025 to 0830 hrs IST of 03.07.2025
North Coastal Odisha	Balasore	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	ISOL HEAVY RAINFALL	NIL	ISOL HEAVY RAINFALL
	Bhadrak	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	ISOL HEAVY RAINFALL	NIL	NIL
	Jajpur	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL
	Kendrapara	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL

	Jagatsinghapur	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL
	Cuttak	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL
North Interior Odisha	Sundargarh	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH AND HEAVY TO VERY HEAVY RAINFALL	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	NIL	NIL	NIL
	Jharsuguda	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	ISOL HEAVY RAINFALL	NIL	NIL	NIL	NIL
	Bargarh	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	ISOL HEAVY RAINFALL	NIL	NIL	NIL	NIL
	Sambalpur	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH AND HEAVY TO VERY HEAVY RAINFALL	NIL	ISOL HEAVY RAINFALL	NIL	NIL	NIL	NIL
	Deogarh	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	NIL
	Angul	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	NIL
	Dhenkanal	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	NIL

	Keonjhar	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH AND HEAVY TO VERY HEAVY RAINFALL	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	NIL	NIL
	Mayurbhanj	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	NIL	NIL
South Interior Odisha	Sonepur	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH AND HEAVY TO VERY HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	NIL
	Boudh	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH AND HEAVY TO VERY HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	NIL
	Nuapada	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	ISOL HEAVY RAINFALL
	Bolangir	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH AND HEAVY TO VERY HEAVY RAINFALL	NIL	NIL	NIL	NIL	NIL	NIL
	Kalahandi	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL
	Kandhamal	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH & HEAVY RAINFALL	NIL	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL
	Nawrangpur	NIL	NIL	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	NIL

	Rayagada	NIL	NIL	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL
	Koraput	NIL	NIL	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	NIL
	Malkangiri	NIL	NIL	NIL	NIL	NIL	ISOL HEAVY RAINFALL	NIL
South Coastal Odisha	Gajapati	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL
	Ganjam	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL	ISOL HEAVY RAINFALL
	Puri	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL
	Khurda	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL
	Nayagarh	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	ISOL THUNDERSTORM WITH LIGHTNING & GUSTY SURFACE WINDSPEED REACHING 30- 40KMPH	NIL	NIL	NIL	NIL	NIL