



# **National Agromet Advisory Services Bulletin**

**Date of issue: 04 November 2022**

based on

**Extended Range Weather Forecast (ERFS)**

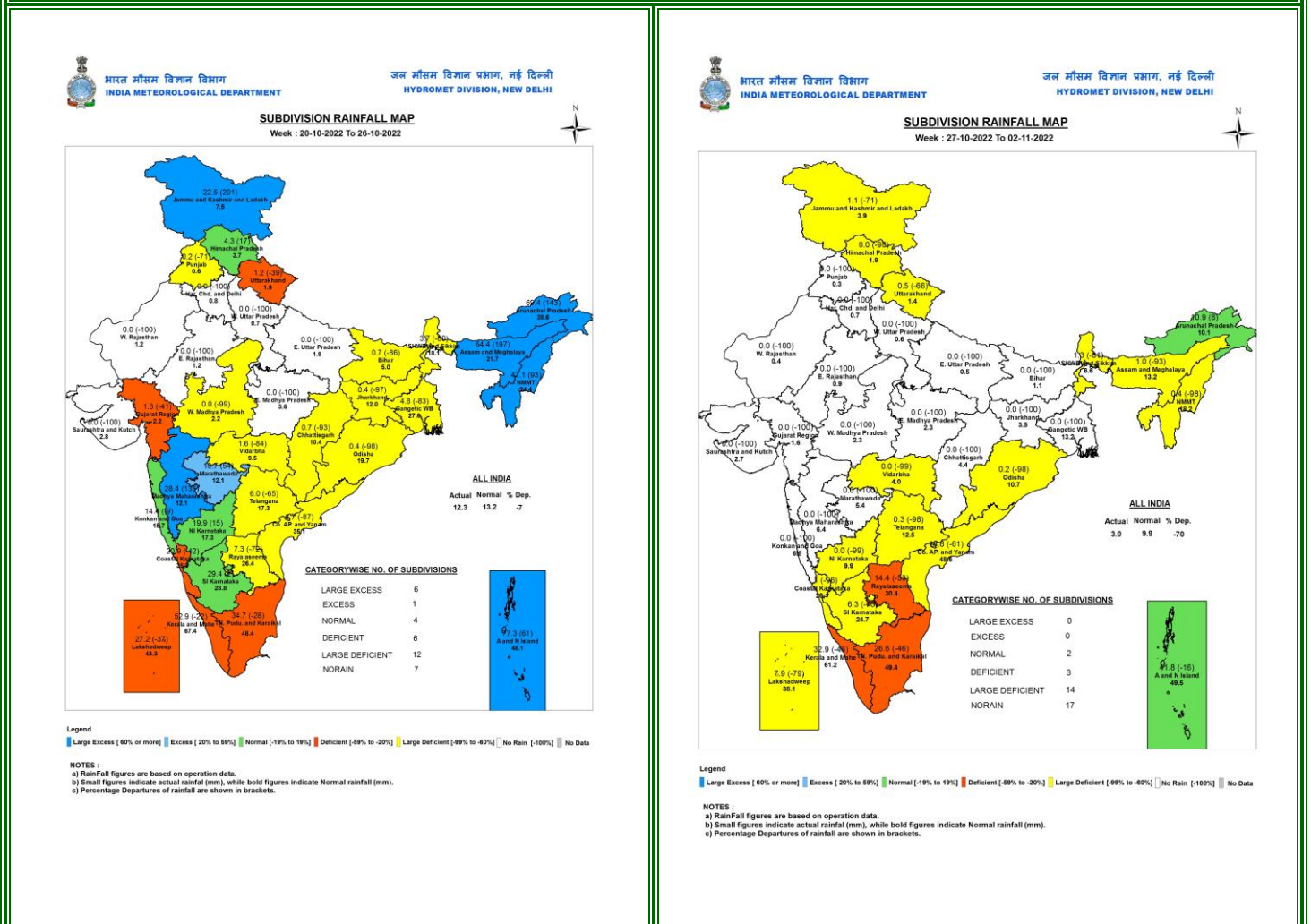
**Validity: 04 - 17 November 2022**

Issued by

**AICRP on Agro-Meteorology (AICRPAM)  
Central Research Institute for Dryland Agriculture (CRIDA)  
Indian Council of Agricultural Research (ICAR)  
&  
India Meteorological Department (IMD)  
Earth System Science Organization**

## Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

### Realized Rainfall (20<sup>th</sup> October to 2<sup>nd</sup> November, 2022)



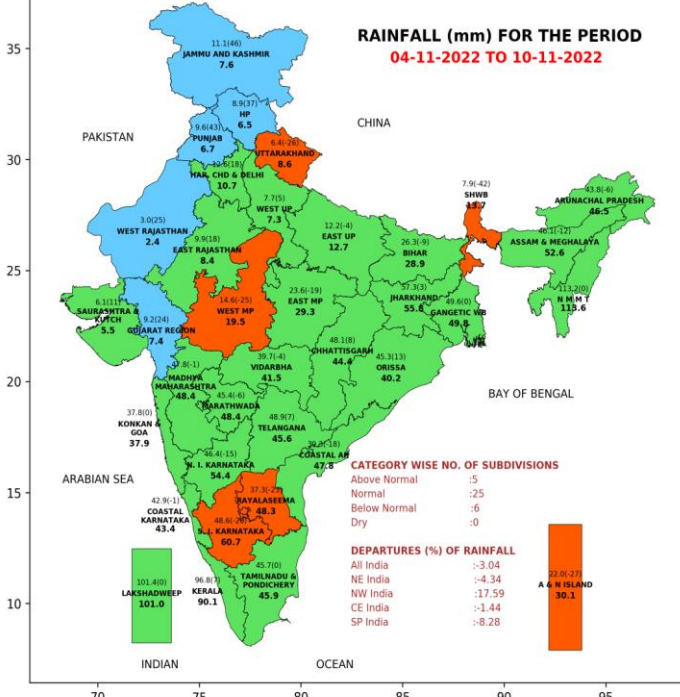
- Normal or above normal rainfall occurred in both the weeks in Arunachal Pradesh and Andaman & Nicobar Islands.
- Normal or above normal rainfall occurred in either of the two weeks in Jammu & Kashmir and Ladakh (UTs), Himachal Pradesh, Assam & Meghalaya, Nagaland Manipur Mizoram & Tripura (NMMT), Konkan & Goa, Madhya Maharashtra, Marathwada and Interior Karnataka.
- Below Normal rainfall/no rain occurred in both the weeks over remaining parts of the country.

## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 2<sup>nd</sup> November) (04<sup>th</sup> to 17<sup>th</sup> November, 2022)

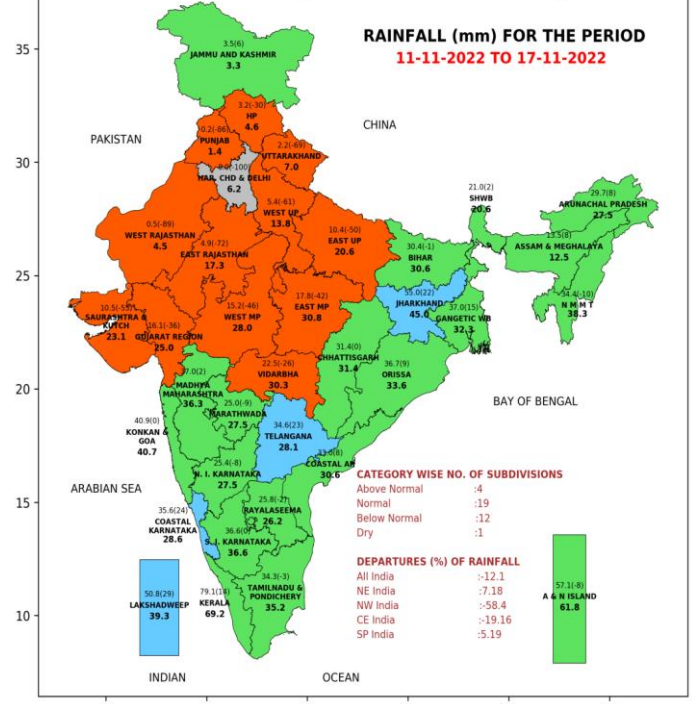
#### INDIA METEOROLOGICAL DEPARTMENT

##### Rainfall Forecast Map - Normal RF Based Categories



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##### Rainfall Forecast Map - Normal RF Based Categories



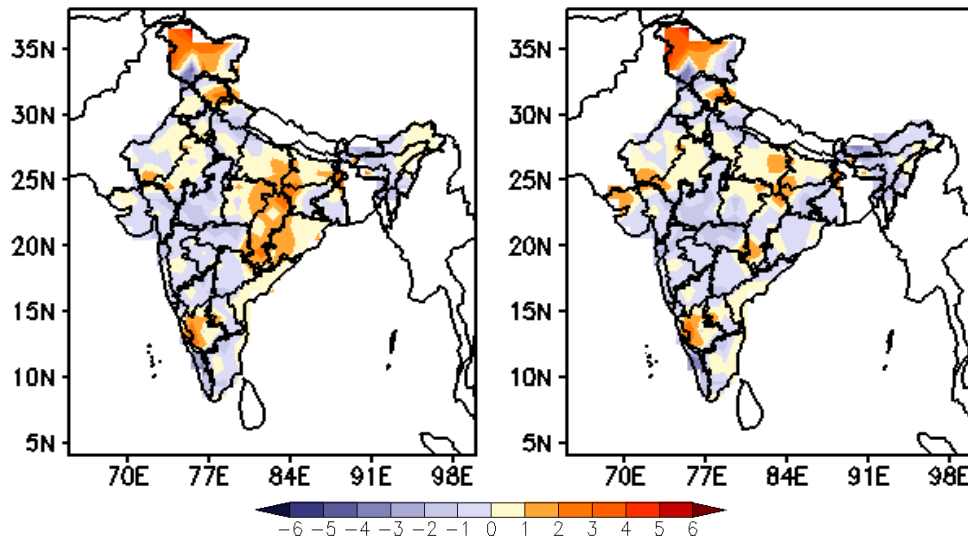
- **Week 1 (04.11.2022 to 10.11.2022):** Rainfall is likely to be above normal over parts of Northwest India and normal over remaining parts of the country.
- **Week 2 (11.11.2022 to 17.11.2022):** Rainfall is likely to be normal to slightly above normal over the southern peninsula.

**Maximum and Minimum temperature anomaly ( $^{\circ}\text{C}$ ) forecast  
for next 2 weeks (IC- 2<sup>nd</sup> November)  
(04<sup>th</sup> to 17<sup>th</sup> November, 2022)**

**MME forecast Tmax anomaly (Deg C)**

(Week1: 04Nov-10Nov)

(Week2: 11Nov-17Nov)



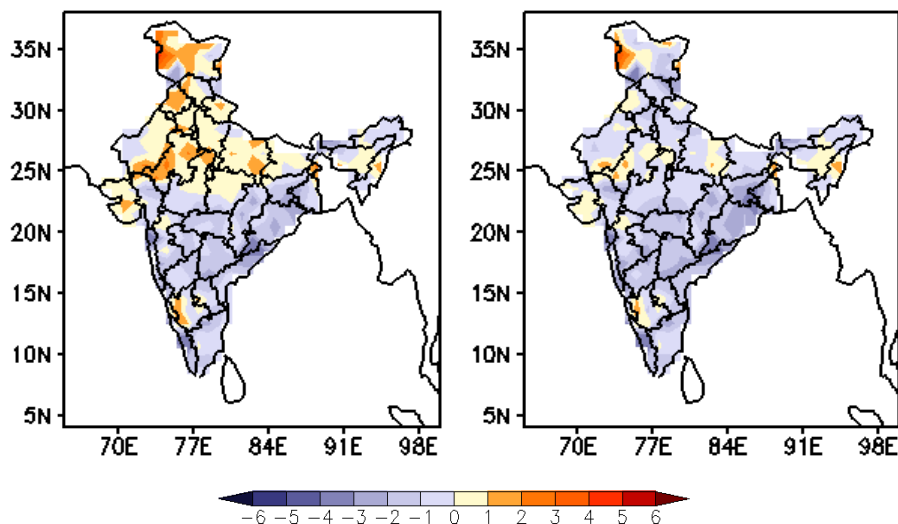
**Maximum Temperature (Tmax)**

- **Week 1 (04.11.2022 to 10.11.2022):** Tmax will be above normal over northern India & adjoining Indo-Gangetic plains and eastern parts of the country.
- **Week 2 (11.11.2022 to 17.11.2022):** Tmax will be slightly above normal particularly over eastern parts of the country.

**MME forecast Tmin anomaly (Deg C)**

(Week1: 04Nov-10Nov)

(Week2: 11Nov-17Nov)



**Minimum Temperature (Tmin)**

- **Week 1 (04.11.2022 to 10.11.2022):** Tmin is likely to be normal to below normal over central and southeastern parts of the country.
- **Week 2 (11.11.2022 to 17.11.2022):** Tmin will be normal to below normal over the country except some parts of Indo-Gangetic plains.

## **Agromet Advisories**

### **Uttar Pradesh**

The amount of rainfall received over East Uttar Pradesh was 149 mm (343% large excess) and over West Uttar Pradesh was 140 mm (565% large excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal over East Uttar Pradesh and West Uttar Pradesh for week-1; below normal for week-2.

#### *Western Uttar Pradesh*

- Farmers are advised to harvest paddy crop which attained physiological maturity.
- Under sufficient moisture condition, farmers are advised for the sowing of potato with recommended varieties like *Kufri Jyoti*, *Kufri Bahar*, *Kufri Sheetman*, *Kufri Pukhraj* and *Kufri Chipsona-1*.

#### *Eastern Uttar Pradesh*

- Under prevailing weather condition, transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato on raised bed is advised.

### **Bihar**

The amount of rainfall received over Bihar was 81 mm (40% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal for week-1 and week-2.

- Under prevailing weather condition, farmers are advised to sow mustard crop. *Rajendra Sarso-1*, *66-197-3* and *Swarna* varieties of mustard are recommended for sowing in north Bihar region.
- Sowing of lentil is also advised. *Mallika (K-75)*, *Arun (PL77-12)*, *KLS-218*, *HUL-57* and *PL-5* varieties are recommended for sowing in north Bihar.

### **Kerala**

The amount of rainfall received over Kerala was 250 mm (-25% deficit) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal for week-1 and week-2.

- During cloudy situation, there is a chance of leaf folder infestation in paddy. It can be controlled using Trichogramma cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray Quinalphos @ 2ml per one litre of water.
- As high temperature is prevailing, sucking pests like thrips, aphids and whiteflies might increase in cowpea. For management, it is advised to spray 2% neem oil garlic emulsion on the leaves at two weeks interval.

## **Tamil Nadu**

The amount of rainfall received over Tamil Nadu was 200 mm (3% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal for week-1 and week-2.

- Prevailing weather condition is favorable for shoot and fruit borer in vegetables. For management, it is advised to install pheromone trap @ 12/ha or spray chlorpyrifos @ 1 ml/litre of water.
- Prevailing weather condition are congenial for fall army worm infestation in maize. Farmers are advised to go for foliar spray Emamectin benzoate 5% SG 220 g/ha.

## **Maharashtra**

159 mm (100% large excess) rainfall over Madhya Maharashtra; 132 mm (75% large excess) in Marathwada; 169 mm (42% excess) in Konkan region and 87 mm (47% excess) over Vidarbha was recorded during 01 October - 03 November 2022. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal over Madhya Maharashtra, Marathwada, Konkan and Vidarbha for week-1 and; below normal over Vidarbha and normal over Konkan, Marathwada and Madhya Maharashtra for week-2, respectively.

### *Vidarbha*

- Under prevailing dry weather condition, it is advised for clean picking of burst bolls in earlier sown cotton and properly dry the produce before safe storage.
- Under prevailing weather condition, farmers are advised to complete the sowing of irrigated chickpea with recommended varieties *Jaki 9218*, *PDKV Kanchan*, *Vijay*, *Vishal*, *ICCV-2*, and *ICCV-10* by 10 November.

### *Marathwada*

- Remove the water from custard apple orchard where rainfall was received. Harvesting of mature fruits in custard apple orchard is advised.
- For management of sigatoka disease in banana, it is advised to spray Metiram 55% + Pyraclostrobin 5% WG @ 10 g per 10 litres of water during clear weather condition.

### *Madhya Maharashtra*

- Mulching is advised to reduce the evaporation from soil in orchard crops.
- For control of pod borer in pigeon pea, it is advised to install the Pheromone traps @ 5/ha. or spray Monocrotophos @ 20 ml/10 litres of water.

### *Konkan*

- Due to forecast for dry weather, harvest the matured rice varieties during morning hours, followed by threshing, threshed grains should be sun dried for 2 to 3 days before storage.

- Due to dry weather and increase in temperature, provide irrigation to arecanut orchard at 7-8 days interval.

### **Odisha**

The amount of rainfall received over Odisha was 124 mm (6% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Odisha is normal for week-1 and week-2.

- Farmers are advised to grow short duration *rabi* crops like green gram, black gram, cowpea, field pea, lentil, groundnut, toria and sunflower in medium/shallow lowlands utilizing the available soil moisture in the field.
- Farmers are advised to grow some high yielding potato varieties like *Kufri Jyoti*, *Kufri Badsah* and *Kufri Sundari*, *Kufri Khyaati*, *Kufri Suriya* and *Chipsona* etc.

### **Jammu**

41 mm of rainfall (16% excess) was received over Jammu during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Jammu is above normal for week-1 and normal for week-2.

- Sowing of wheat (var. *PBW-175*, *PBW-396*, *RSP-81 (Jitto)*, *WH-1080* and *PBW-644*) under optimum soil moisture in kandi belt is advised.

### **Assam**

The amount of rainfall received over Assam during 01 October - 03 November 2022 was 221 mm (42% excess). The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Assam is normal for week-1 and week-2.

- Farmers are advised to continue land preparation for cultivation of potato with recommended varieties like *Kufri Chandramukhi*, *Kufri Jyoti*, *Kufri Megha*, *Kufri Sindhuri*, *Kufri Pukhraj* etc.

### **Karnataka**

Rainfall received during 01 October - 03 November 2022 over South Interior Karnataka was 232 mm (57% excess), 159 mm (49% excess) over North Interior Karnataka and 143 mm (-30% deficit) over Coastal Karnataka. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal over Coastal Karnataka and North Interior Karnataka and below normal over South Interior Karnataka for week-1 and; above normal over Coastal Karnataka and normal over North Interior Karnataka and South Interior Karnataka for week-2.

#### *South Interior Karnataka*

- Under prevailing weather following crops with recommended varieties are advised:  
Finger millet: (var. *Indaf-5,7,9*, *ML-365*, *KMR-301*), Horse gram: (var. *PHG-9*, *KBH-1*, *Niger*), Field bean (var. *HA-3* and *4*) and Sunflower: (*KBSH-1,41,42, 44* and *53*), Cow pea (*KBC-1*, *TVX-944* and *PKB-4* for vegetable purpose).

- To control leaf folder insect in pigeon pea, it is advised to spray Methomyl 40 SP @ 2 g/litre of water before flowering of crop.

### **Chhattisgarh**

The amount of rainfall received over Chhattisgarh was 72 mm (16% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (14-20 October 2022 and 21-27 October 2022) over Chhattisgarh is normal for week-1 and week-2.

- Under prevailing weather condition, winter vegetables like cauliflower, cabbage and knolkhol early varieties are advised for nursery sowing.
- To protect 6-7 weeks poultry birds from Ranikhet and Smallpox diseases, proper vaccination of birds is advised.

### **Madhya Pradesh**

The amount of rainfall received over East Madhya Pradesh was 87 mm (132% large excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Madhya Pradesh is normal for week-1 and below normal for week-2.

- Sowing of *rabi* season vegetables is advised for sowing during clear weather with good available soil moisture and sunshine.

### **Punjab**

The amount of rainfall received over Punjab was 9 mm (5% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Punjab is above normal for week-1 and below normal for week-2.

- It is the optimum time for transplanting of late season varieties of cauliflower and sowing of spinach, fenugreek, coriander, radish, turnip, garlic and main season varieties of pea.
- For management of canker in citrus, it is advised to spray Streptocycline 50 g + 25 g copper sulphate in 500 litres of water per acre or Bordeaux mixture (2:2:250) during this month.

### **Anantapur**

The amount of rainfall received over Coastal Andhra Pradesh was 221 mm (7% excess) and over Rayalaseema was 158 mm (+9% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Coastal Andhra Pradesh is normal and Rayalaseema is below normal for week-1 and normal over Coastal Andhra Pradesh and Rayalaseema for week-2.

- Utilizing the available soil moisture, farmers are advised to take up sowings of Bengal gram in black soils of Ananthapuramu, Kurnool, Guntur, Kadapa and Nellore districts. Recommended high yielding varieties viz., *NBeG-3*, *NBeG-452*, *NBeG-119*, *JG-11*, *NBeG-49*, *NBeG-47* is recommended.



## **Gujarat**

The amount of rainfall received over Gujarat was 37 mm (61% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) over Gujarat is above normal for week-1 and below normal for week-2.

- Sowing the timely variety of wheat when maximum temperature down at 32 to 34 °C and minimum temperature lies between 18 to 20 °C. Variety for timely sowing (15th to 25th November): *GW-322*, *GW-273*, *GW-496*, *GW-366*, *GW-451* is advised.

## **West Bengal**

The amount of rainfall received over Gangetic West Bengal was 119 mm (-14% deficit) and Sub Himalayan West Bengal was 208 mm (43% excess) during 01 October - 03 November 2022. The extended range weather forecast (rainfall) for the next two weeks (04 - 10 November 2022 and 11 - 17 November 2022) is normal over Gangetic West Bengal and below normal over Sub-Himalayan West Bengal during week-1 and normal over Gangetic West Bengal and Sub-Himalayan West Bengal for week-2.

- It is the optimum time to harvest and post-harvest processes for late transplanted *kharif* rice.

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