## All India Coordinated Research Project on Agrometeorology CRIDA, Santoshnagar, Hyderabad – 500 059

Weekly Crop Weather Information during 25th June to 01st July 2018

The crop weather conditions in different states as reported by the cooperating centres of AICRPAM

**Maharashtra**

***Konkan Region***

Atmospheric condition was clear during morning hours around Dapoli during last week. Therefore 0.0 to 0.8 of Bright sunshine hours was recorded during last week. The maximum and minimum temperature ranged from 27.0 to 29.5°C and 22.0 to 24.0°C respectively. Wind velocity ranged from 4.9 to 10.9 km/hr and wind was blowing from easterly Direction. Agriculture operations like Transplanting of rice , application of fertilizer to arecanut, mango, cashew and coconut, planting of new orchard of horticulture crop is in progress. Fingermillet was in nursery stage. No major pests and diseases was noticed.

***Madhya Maharashtra***

Partly cloudy weather with light to medium rainfall. Land preparation & sowing *Kharif* season is in progress. Bark eating catterpillar in pomegranate was the major pest observed.

***Vidarbha***

Maximum temperature was 32.3 °C (normal 34.0 °C), minimum temperature recorded was 23.7 °C (normal 24.6 °C). RH I 86% (normal 79%), RH II 56% (normal 53%). Evaporation rate 6.4 mm (normal 7.4 mm), Wind speed 5.8 km/hr (normal 12.7 km/hr) and BSH 3.9 hrs (normal 5.0 hrs). Kharif sowings has picked up past days due to sufficient pre sowing rains received except at isolated places like in Buldhana, Wardha and eastern Vidarbha district. Recent rains benefitted emergence phase/emerged seedlings of earlier sowings and initiated sowing in remaining isolated areas mainly in western Vidarbha districts , still more rains are required for kharif sowings. In areas that received sufficient rains sowings of cotton, soybean, sorghum, pulses, vegetables etc was underway. Spreading and incorporation of FYM/compost in fields were in progress. Nursery sowing of kharif vegetables was carried out.  No major pests and diseases was noticed.

***Marathwada region***

At Parbhani centre, 26.3 mm rainfall was recorded. The Maximum temperature ranged from 31.0 to 34.5°C and the minimum temperature ranged from 22.0 to 22.5 °C. The relative humidity (RH I) ranged between 76 to 91 % and relative humidity (RH II) recorded was 45 to 64 %. The wind speed varied between 2.8 to 7.1 km/hr. Sowing of different kharif crops such as mungbean ,urdbean, cotton, sorghum etc are in progress. The growth of vegetable crops, fruit crops, sugarcane crop is satisfactory. Sown *kharif* crops are at emergence stage, vegetables are in fruiting stage, sugarcane is in grand growth stage. No major pests and diseases was noticed.

**Jammu**

Mainly to cloudy weather prevailed during this week with 41.2 mm rainfall in two rainy days. The maximum temperature remain above normal during first two days and rest of week remains below normal and ranged from 28.4 to 41.8 °C. While minimum temperature remained variable and remained in the range of 21.2 to 27.0 °C . The morning and evening relative humidity observed in the range of 41 to 96 % and 49 to 77 %, respectively. The total evaporation observed 68.8 mm and sunshine in the range of and 0.0 to 9.5 hrs during this period. In *Kharif* season about 19 % for paddy, 81 % for maize, 66 % for bajra 33 % for pulses, 76 % of fodder and 94 %of vegetable has been sown. In Doda district, Transplanting of paddy is under full progress with normal seedling condition. Field Sowing of Maize, Pulses and Fodder has been completed during this week due to favourable weather condition. Harvesting of Summer Mash in progress. Minor attack of Fruit Borer in ladyfinger and tomato in Kathua was observed. Fruit and shoot borer in brinjal and tomato was observed.

**Assam**

Weather during the last week was cloudy. Daily average maximum temperature was 32.4°C which was 1.0 above normal and the average daily minimum temperature was 24.8°C which was 0.3 below normal for the week. Total BSSH was 23.4 hrs with an average of 3.3 hrs. The daily average evaporation rate was 3.2 mm/day and the average daily wind speed during the week 3.5 kmph. Daily average RH during morning and afternoon hour was 94% and 73.8% respectively. General crop condition was satisfactory. Agriculture operations like harvesting of Ahu rice, sowing of sali rice in main field, sowing/planting of summer vegetables were in progress. Summer vegetables are in vegetative stage. No major pest and diseases was observed.

**Bihar**

Localized light to medium rainfall occurred in the state. Maximum temperature ranged from 32.6 to 36.6°C and the minimum temperature from 25.5 to 27.5°C. General crop condition was good. Agricultural operations like sowing of paddy seeds in the nursery, sowing vegetables like tomato, ladyfinger, brinjal, early cauliflower in the nursery, sowing of summer maize varieties such as Mordane, Surya, C O-1, Pairadevik and DRSF-108 ( compostite) and BSH-1, KBSH-1, KBSH-44 and MSFH-1, MSHF-8 (hybrid) are almost completed. Rice seedlings are ready to be transplanted. Timely sown Kharif maize is in early vegetative to knee high stage. No major pest and diseases was observed.

**Himachal Pradesh**

The maximum and minimum temperature ranged between 22.5 to 33.0°C and 17.0 to 22.0°C respectively. The relative humidity varied between 45-100% and sunshine hours between 0.0-7.5 hrs/day with variable sky conditions (octa 2-8). The evaporation rate varied between 5.5 to 9.5 mm per day. Crops condition is generally good in the entire region. Rice were in transplanting stage, kharif vegetables were in seedling to vegetative stage, maize was observed to be in emergence to knee high stage. No major pest and diseases was observed.

**West Bengal**

Maximum temperature recorded was 27.8 to 33.6 °C, minimum temperature recorded was 24.8 to 27.5 °C, bright sun shine hours recorded was 0.0 to 6.0 hours. Bitter gourd and Jute crops are in good health conditions. Harvesting of Moong and Sesame was observed. Farmers with assured irrigation has already raising seedling in nursery. Catterpillar was observed in Jute.

**Eastern Uttar Pradesh**

Light rainfall occurred in the region. Nursery raising of rice covered 82% in the region. Agricultural operations like nursery raising of paddy, land preparation for transplanting of paddy, sowing of early varieties of pigeon pea & maize are in progress. Paddy in seedling stage, sugarcane is in vegetative stage. Yellow vein mosaic virus in moong and leaf hopper in Sugarcane are the major pests observed.

**Western Uttar Pradesh**

Cloudy weather and high humidity present in the atmosphere 43.0 mm cumulative rainfall forecast from 01 to 4 July 2018. Maximum and minimum temperature may be 2 - 3 °C lower than its normal, as per forecast. Paddy nursery, Sugarcane, and Summer vegetables are going on good condition. Maize is in emergence stage, pigeon pea is in Vegetative stage, Vegetables/ Cucurbits are in flowering and fruiting stage. No major pests and diseases was noticed.

**Haryana**

Variable weather was mainly observed during the period. A total of 56.7mm rainfall was recorded during this week. The bright sunshine hours was ranged from 0.0 to 8.4. The cumulative pan evaporation was recorded 40.0 mm which is 24.5 mm lower than normal value. Easterly wind was mainly observed during the period. Rice were at transplanting stage, cotton at early vegetative growth stage as per date sowing, moong at pod maturity and at harvest and arhar was at sowing stage. No major pests and diseases was noticed.

**Punjab**

The maximum temperature during the week ranged between 27.6-40.6°C and minimum temperature ranged between 24.0-29.6°C. The morning and evening relative humidity during the week varied between 55-81 and 27-80%, respectively. The sunshine hours during the week ranged between 0.0-9.4 hrs/day. The evaporation rate ranged between 3.2-8.6 mm/day. Daily average wind speed varied from 3.3-6.9 km/hr. General crop condition was good. Transplanting of rice were in progress. Cotton and paddy was in vegetative / seedling stage. No major pests and diseases was noticed.

**Uttrakhand**

During last week light to moderate rainfall (41.3 mm.)were received, maximum, minimum temperatures are near the normal. General crop condition are satisfactory. Agriculture operations like sowing of maize, soybean, amaranth, horse gram, french bean and radish, transplanting of paddy seedlings in valleys and irrigated mid hills, transplanting of cauliflower, cabbage in mid and higher hills, picking of tomato, brinjal in valleys were in progress. No major pests and diseases was noticed.

**Kerala**

In vellanikkara, the maximum temperature ranges from 26.0 to 31.8 °C , minimum temperature ranges from 21.7 to 23.5 °C. Morning relative humidity ranges from 91% to 98% and afternoon relative humidity ranges from 068% to 095%. Wind speed ranges from 0.2 to 1.9 km/h. Evaporation ranges from 1.2 to 3.2 mm. Sunshine hours range from 0.0 to 7.9 hours. Agriculture operations like proper drainage and weeding in the fields was observed. Erwinia rot in Banana, fusarium wilt in vegetables, leaf folder in paddy, red palm weevil in coconut are major pests observed.

**Tamil Nadu**

Maximum temperature: 38.1°C (normal 37.7°C), minimum temperature: 25.4°C (normal 24.3°C), RH: 61.3% (normal 66 %), rainfall: 0.2 mm (normal 2.1 mm).  Agriculture operations like plant protection measures for controlling pests and diseases are in progress. Chillies is in flowering to fruiting stage, paddy is in tillering to Botting stage, banana is in bunch development to harvest stage, jasmine is in flowering stage, tomato and ladyfinger are in fruiting to harvesting stage, pulses are in harvesting stage, citrus is in fruiting stage. Bollwarm in cotton, Canker in citrus and sucking pest in chillies are major pest observed.

**Karnataka**

***North Karnataka***

Partly cloudy condition prevailed and light rainfall at isolated places was received during the previous week. The *kharif* crops sown during first fortnight of June are in early seedling stage. The sowing operation has been seized temporarily due to deficit soil moisture and dry spell after first fortnight of June. All the *kharif* sown crops are facing mild to moderate moisture stress. Leaf curl and sucking pests in tomato, Bacterial blight and sucking pests in pomegranate, leaf minor in citrus was observed.

***South Karnataka***

 South Interior Karnataka received 10.0 mm of rainfall as against the normal of 12.0 mm leading to (-) 13 % deviation. Sowing of kharif crops was in progress wherever adequate rains received. Harvesting of early sown cowpea, black gram, green gram and sesamum commenced in some parts. Agriculture operations like land preparation and sowing of Kharif crops like ragi, maize, ground nut and redgram crops was under progress. Shortage of rainfall for sowing of kharif crops is noticed in South Interior Karnataka. No major pest and diseases was observed.

**Rajasthan**

Southern part of the state received medium to heavy rainfall during last week. Agriculture operations like sowing of maize, sorghum, soybean were in progress. Cotton is at vegetative stage. Farmers are advised to complete sowing of maize, sorghum and soybean as early as possible. Seed treatment with fungicides should be done before sowing. No major pests and diseases was noticed.

**Gujarat**

The actual and normal average maximum temperature is equal, while minimum temperature is 0.7°C lower as compared to normal value. Total BSS was 22.3hrs. with an average of 3.2 hrs. The daily average evaporation and wind speed was 4.6 mm and 6.3 km/hr respectively. The daily average RH during morning and afternoon was 90.4 % and 60.3 % respectively. Agriculture operations like land preparation and sowing for kharif are in progress. No major pests and diseases was noticed.

Weather during 21th to 27th June 2018

Significant Weather Features

* The Southwest monsoon has advanced into remaining parts of central Arabian Sea, some more parts of Maharashtra and some parts of Gujarat region on 23rd June 2018. It further advanced into some parts of north Arabian Sea, Saurashtra & some more parts of Gujarat region and Maharashtra, some parts of West Madhya Pradesh, some more parts of West Bengal and remaining parts of Assam on 24thJune. ; It further advanced into some more parts of Odisha, most parts of West Bengal and some parts of Bihar and Jharkhand on 25thJune; It further advanced into some more parts of Odisha, remaining parts of West Bengal and most parts of Bihar and Jharkhand on 26th June and further advanced into some more parts of Gujarat region, some parts of East Rajasthan, remaining parts of Maharashtra, Chhattisgarh, Odisha, Bihar and Jharkhand, entire Madhya Pradesh & East Uttar Pradesh; most parts of West Uttar Pradesh, Uttrakhand & Himachal Pradesh, entire Jammu & Kashmir and some parts of Punjab on 27thJune 2018.
* The Northern Limit of monsoon continued to pass through Lat. 19°N/ Long. 60°E, Lat. 19°N/ Long. 70°E, Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N/ Long. 89°E, Goalpara, Baghdogra and Lat. 27°N/ Long. 87°E on 21st and 22nd June 2018. It passed through Lat. 20°N/ Long. 60°E, Lat. 20°N/ Long. 65°E, Lat. 20°N/ Long. 70°E, Bulsar, Malegaon, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N/ Long. 89°E, Goalpara, Baghdogra and Lat. 27°N/ Long. 87°E on 23rd. It passed through Lat. 21°N/ Long. 60°E, Lat. 21°N/ Long. 65°E, Veraval, Amreli, Ahmedabad, Khandwa, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N/ Long. 89°E, Jalpaiguri and Lat. 27°N/ Long. 87°E on 24th and through Lat. 21°N/ Long. 60°E, Lat. 21°N/ Long. 65°E, Veraval, Amreli, Ahmedabad, Khandwa, Amravati, Gondia, Titlagarh, Angul, Jamshedpur, Supaul and Lat. 27°N/ Long. 86°E on 25th; It passed through Lat. 21°N/ Long. 60°E, Lat. 21°N/ Long. 65°E, Veraval, Amreli, Ahmedabad, Khandwa, Amravati, Gondia, Bolangir, Jharsuguda, Daltonganj, Chapra and Lat. 28°N/ Long. 84°E on 26th and through Lat. 21°N/ Long. 60°E, Lat. 21°N/ Long. 65°E, Veraval, Amreli, Ahmedabad, Udaipur, Sawai Madhopur, Aligarh, Tehri, Una and Amritsar on 27th June 2018.

**Rainfall/Thunderstorm Activity**

* Fairly wide spread to widespread rainfall/thundershowers observed over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Konkan & Goa, Madhya Maharashtra, Coastal Karnataka and Kerala on most of the days; over Jharkhand on many days; over Odisha, Bihar, West Madhya Pradesh, Gujarat region, Vidarbha and Andaman & Nicobar Islands, Jammu & Kashmir and Marathwada on two to three days and over Uttarakhand, Himachal Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh, Telangana, North & South Interior Karnataka and Lakshadweep on one or two days during the week.

**Intense Rainfall Activity:**

* Heavy to very heavy rain with extremely heavy falls at isolated places observed over Konkan & Goa on four days; over Sub-Himalayan West Bengal & Sikkim on three days; over Assam & Meghalaya, Coastal Karnataka, East Rajasthan, East Uttar Pradesh and Gujarat Region on one day each during the week. Heavy to very heavy rain observed at isolated places over Odisha on two days and over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal and South Interior Karnataka, Gujarat Region and East Rajasthan on one day each during the week.

**Temperature Scenario:**

* Heat conditions were observed over some parts of East Uttar Pradesh on many days and over some parts of Bihar and East Madhya Pradesh on one day each; Heat wave conditions observed at one or two places over Haryana, Chandigarh & Delhi, Rajasthan, West Uttar Pradesh and Madhya Pradesh on 2 to 3 days and over Bihar on one or two days during the week. The highest maximum temperature of 47.9°C was recorded at Churu (West Rajasthan) on 22 June 2018 in the plains of the country during the week.

Meteorological Analysis

* Last week’s cyclonic circulation over north Haryana and neighbourhood lay over northwest Uttar Pradesh & neighbourhood and extended upto 0.9 km above mean sea level on 21st June 2018. It lay over southwest Uttar Pradesh & neighbourhood and extended upto 0.9 km above mean sea level on 22nd; over north Haryana & neighbourhood extending upto 0.9 km above mean sea level on 23rd; It lay over northwest Uttar Pradesh and neighbourhood and extended upto 1.5 km above mean sea level on 24th ;over northern parts of central Uttar Pradesh & neighbourhood and extends upto 0.9 km above mean sea level on 25th; lay over northeast Uttar Pradesh & neighbourhood extending upto 0.9 km above sea level on 26th and has become less marked on 27th.
* Last week’s cyclonic circulation over south Konkan & neighbourhood persisted and was seen between 3.1 and 5.8 above mean sea level on 21st June 2018. It persisted over the same region and lay between 3.6 and 5.8 above mean sea level on 22nd; lay between 3.1 and 5.8 above mean sea level over the same region on 23rd and it has merged with the east west shear zone on 24th June 2018.
* Last week’s east-west trough from the cyclonic circulation over Bihar to East Bangladesh ran from the cyclonic circulation over northwest Uttar Pradesh to Sub-Himalayan West Bengal and extended upto 0.9 km above mean sea level on 21st. It extended from the cyclonic circulation over southwest Uttar Pradesh to Sub Himalayan west Bengal and extended upto 0.9 km above sea level on 22nd June 2018 and it has become less marked on 23rd June 2018.
* Last week’s offshore trough at mean sea level from Maharashtra coast to Kerala coast persisted on 21st & 22nd June 2018. It ran from south Gujarat coast to Kerala coast during 23rd to 26th June 2018 and from south Gujarat coast to north Kerala coast on 27th June 2018.
* Last week’s cyclonic circulation over Cental Bay of Bengal lay over WestCentral & adjoining NorthWest Bay of Bengal between 2.1 km and 4.5 km above mean sea level on 21st June 2018. It lay over NorthWest Bay of Bengal & neighbourhood between 3.1 km and 5.8 km above mean sea level on 22nd .It persisted over the same region and was seen between 2.1 km and 3.6 km above mean sea level on 23rd and between 4.5 km and 5.8 km above mean sea level on 24th; It continued to persist over the same region and was seen between 5.8 km and 7.6 km above mean sea level on 25th; It lay over southern parts of Bangladesh and neighbourhood between 1.5 km and 5.8 km above mean sea level, titling southwestwards with height on 26th .It lay over coastal Odisha and adjoining areas of NorthWest Bay of Bengal & West Bengal and extended upto 7.6 km above mean sea level titling southwestwards with height on 27th June 2018.
* Last week’s east-west shear zone ran roughly along latitude 18.0°N over Indian region between 3.1 and 7.6 km above mean sea level , tilting southwards with height on 21st June 2018. It ran roughly along latitude 19.0°N between the same levels on 22nd ;It continued to be seen between the same levels, roughly along latitude 20.0°N on 23rd and persisted along the same latitude between the same levels on 24th and became less marked on 25th.
* Last week’s cyclonic circulation over Bihar & adjoining East Uttar Pradesh has become less marked on 21st June 2018.
* Last week’s trough from Bihar to the cyclonic circulation over south Konkan extending upto 1.5 km above mean sea level across Chhattisgarh and Telangana with the cyclonic circulations over Bihar & adjoining East Uttar Pradesh and another over south Konkan & neighbourhood embedded in that has become less marked on 21st June 2018.
* A Western Disturbance as a trough in mid & upper tropospheric levels with its axis at 5.8 km above mean sea level ran roughly along Long. 68°E to the north of lat. 34°N on 22nd June 2018. It ran roughly along Long. 72°E to the north of lat. 32°N on 23rd; roughly along Long. 74°E to the north of lat. 32°N on 24th; It was seen as an upper air cyclonic circulation at 3.1 km above mean sea level over north Pakistan and adjoining Jammu & Kashmir with the trough with its axis at 5.8 km above mean sea level roughly along Long. 74°E to the north of lat. 32°N persisting aloft on 25th; It lay as a cyclonic circulation at 3.1 km above sea level over Jammu & Kashmir and adjoining north Pakistan with the trough aloft with its axis at 5.8 km above mean sea level roughly along Long. 74°E to the north of lat. 32°N on 26th .It lay as a cyclonic circulation over Jammu & Kashmir and adjoining Himachal Pradesh between 3.1 and 5.8 km above mean sea level on 27th , however, the trough aloft has become less marked on 27th.
* A trough ran from Bihar to NorthWest Bay of Bengal across Jharkhand at 1.5 km above mean sea level 22nd June 2018. It persisted and was seen at 0.9 km above mean sea level on 23rd and has become less marked on 24th.
* A cyclonic circulation lay over central Assam & neighbourhood and extended upto 0.9 km above mean sea level on 23rd June 2018 and it has become less marked on 24th.
* A cyclonic circulation lay over north Konkan & adjoining south Gujarat between 2.1 km and 3.6 km above mean sea level on 23rd June 2018. It persisted over the same region and was seen between 2.1 km and 5.8km above mean sea level on 24th;It lay over south Gujarat & neighbourhood between 2.1km and 4.5 km above mean sea level on 25th; It lay over Gujarat region and adjoining Southwest Madhya Pradesh between 2.1km and 4.5 km above mean sea level on 26th June 2018 ; It lay over West Madhya Pradesh & adjoining southeast Rajasthan on 27th June 2018.
* An upper air cyclonic circulation at 1.5 km above mean sea level lay over west Assam and adjoining Sub-Himalayan West Bengal on 24th June 2018. It lay over west Assam & neighbourhood and extended upto 0.9 km above mean sea level on 25th and it has merged with the east-west trough from Punjab to east Assam on 26th June 2018.
* A cyclonic circulation lay over Bihar & adjoining Sub-Himalayan West Bengal between 3.1 km and 4.5 km above mean sea level on 25th June 2018. It persisted over the same region and was seen at 0.9 km above mean sea level on 26th and has merged with the east-west trough from West Rajasthan to NorthWest Bay of Bengal on 27th.
* An East-West trough at mean sea level ran from Punjab to east Assam across northern parts of Uttar Pradesh, Bihar and Sub-Himalayan West Bengal and extended upto 0.9 km above mean sea level on 26th June 2018. It ran from West Rajasthan to NorthWest Bay of Bengal across north Madhya Pradesh, southeast Uttar Pradesh, Jharkhand & Odisha and extended upto 1.5 km above mean sea level on 27th.
* A cyclonic circulation at 1.5 km above mean sea level lay over south Pakistan and adjoining areas of Kutch and West Rajasthan on 26th June 2018 .It lay over south Pakistan & adjoining West Rajasthan and extended upto 0.9 km above mean sea level on 27th.
* A cyclonic circulation at 5.8 km above mean sea level lay over south Gujarat & neighbourhood on 27th June 2018.

Average rainfall during the week

The All India area weighted rainfall during the week 41.5 mm was 16% below normal (49.5 mm).

The subdivision-wise weekly rainfall distribution is presented in Fig.1. Rainfall was Large excess in 3, excess in 4, normal in 5, deficit in 15., L. deficit in 9 out of 36 meteorological sub-divisions.

Cumulative Seasonal rainfall (1st to 13th June 2018)

The cumulative seasonal rainfall during 1st to 13th June 2018 over the country as a whole was 125.9 mm which is 10% below normal rainfall of 140.1 mm.

The subdivision-wise seasonal rainfall distribution is presented in Fig. 2. Rainfall was excess in 6, normal in 18, deficit in 11 and L. deficit in 1 and no rain in 0 out of 36 meteorological sub-divisions.

State-wise distribution of rainfall in number of districts with large excess, excess, normal, deficient, large deficient and no rainfall during post monsoon season (1st to 27th June 2018)

In the country, 6% districts received large excess, 15% districts received excess and 30% districts normal rainfall during post monsoon season so far. However, 30% districts received deficient, 18% districts received large deficient rainfall and 1% districts received no rainfall and 0 districts received no data. (Table-1).

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**Fig-1**

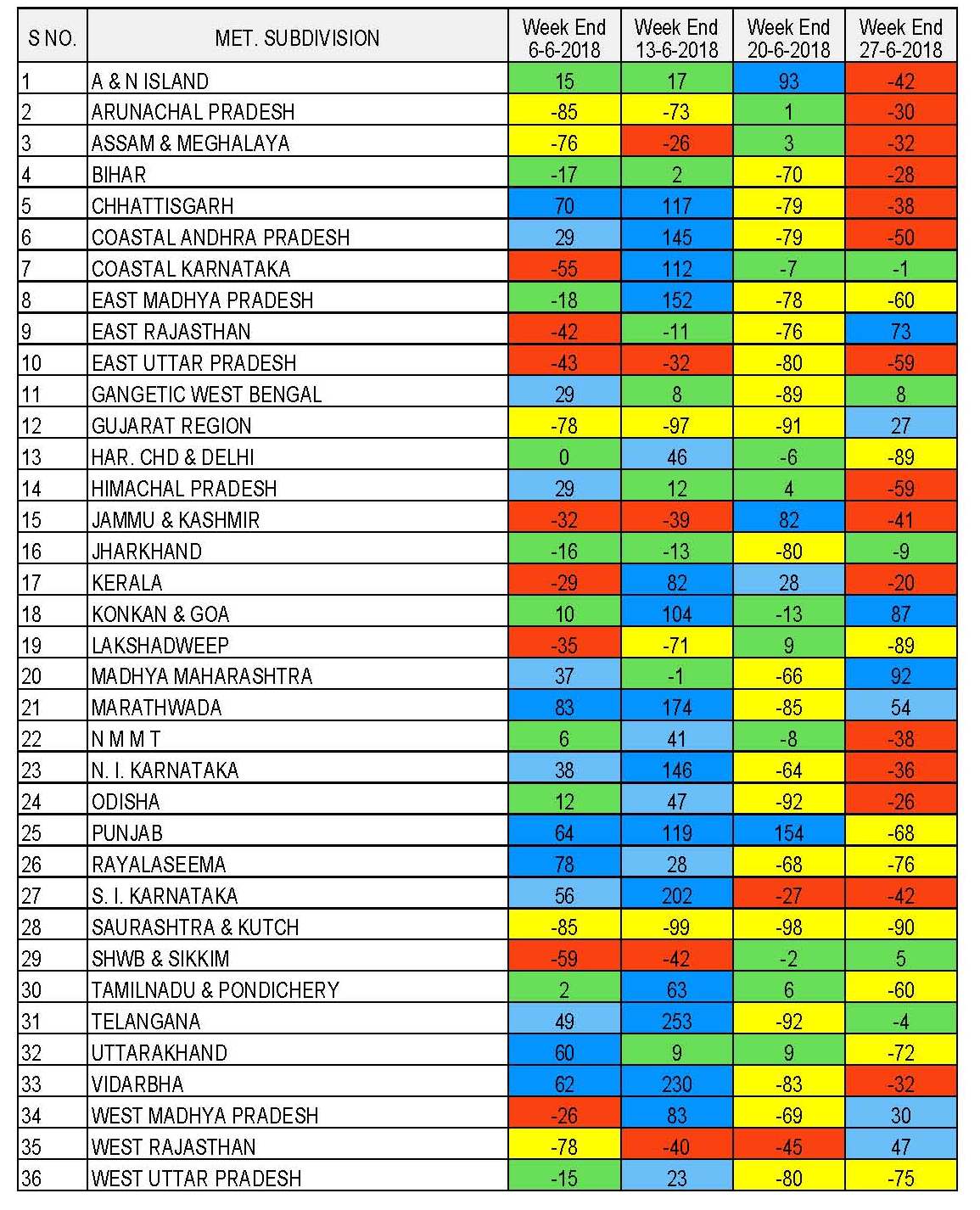


**Fig-2**

**Table 1. State wise distribution of number of districts with large excess, excess, normal, deficient, large deficient, no rainfall and data inadequate shown (01.06.2018 to 27.06.2018)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No** | **STATES** | **PERIOD FROM : 01.06.2018 TO 27.06.2018** | | | | | | | |
| **LE** | **E** | **N** | **D** | **LD** | **NR** | **ND** | **TOTAL** |
| 1 | A & N ISLAND (UT) | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| 2 | ARUNACHAL PRADESH | 1 | 1 | 1 | 6 | 4 | 0 | 3 | 16 |
| 3 | ASSAM | 0 | 2 | 11 | 12 | 1 | 0 | 1 | 27 |
| 4 | MEGHALAYA | 0 | 0 | 1 | 5 | 0 | 0 | 1 | 7 |
| 5 | NAGALAND | 0 | 1 | 1 | 1 | 1 | 0 | 7 | 11 |
| 6 | MANIPUR | 0 | 1 | 1 | 0 | 3 | 0 | 4 | 9 |
| 7 | MIZORAM | 1 | 1 | 1 | 1 | 0 | 0 | 5 | 9 |
| 8 | TRIPURA | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 4 |
| 9 | SIKKIM | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| 10 | WEST BENGAL | 1 | 1 | 5 | 10 | 2 | 0 | 0 | 19 |
| 11 | ODISHA | 0 | 1 | 8 | 19 | 2 | 0 | 0 | 30 |
| 12 | JHARKHAND | 0 | 1 | 4 | 15 | 4 | 0 | 0 | 24 |
| 13 | BIHAR | 0 | 0 | 11 | 13 | 14 | 0 | 0 | 38 |
| 14 | UTTAR PRADESH | 1 | 1 | 4 | 24 | 37 | 5 | 0 | 72 |
| 15 | UTTARAKHAND | 0 | 1 | 7 | 4 | 1 | 0 | 0 | 13 |
| 16 | HARYANA | 1 | 3 | 6 | 5 | 6 | 0 | 0 | 21 |
| 17 | CHANDIGARH (UT) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 18 | DELHI | 0 | 0 | 1 | 2 | 4 | 0 | 2 | 9 |
| 19 | PUNJAB | 8 | 5 | 5 | 2 | 0 | 0 | 0 | 20 |
| 20 | HIMACHAL PRADESH | 0 | 2 | 6 | 3 | 1 | 0 | 0 | 12 |
| 21 | JAMMU & KASHMIR | 2 | 3 | 4 | 6 | 3 | 1 | 3 | 22 |
| 22 | RAJASTHAN | 2 | 7 | 16 | 6 | 2 | 0 | 0 | 33 |
| 23 | MADHYA PRADESH | 1 | 14 | 12 | 19 | 5 | 0 | 0 | 51 |
| 24 | GUJARAT | 0 | 2 | 3 | 12 | 13 | 3 | 0 | 33 |
| 25 | DADRA & NAGAR HAVELI (UT) | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 26 | DAMAN & DIU (UT) | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| 27 | GOA | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 28 | MAHARASHTRA | 7 | 14 | 11 | 4 | 0 | 0 | 0 | 36 |
| 29 | CHHATISGARH | 3 | 1 | 10 | 10 | 3 | 0 | 0 | 27 |
| 30 | ANDHRA PRADESH | 0 | 2 | 8 | 3 | 0 | 0 | 0 | 13 |
| 31 | TELANGANA | 2 | 14 | 13 | 1 | 1 | 0 | 0 | 31 |
| 32 | TAMILNADU | 4 | 1 | 11 | 10 | 6 | 0 | 0 | 32 |
| 33 | PUDUCHERRY (UT) | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 4 |
| 34 | KARNATAKA | 2 | 10 | 15 | 3 | 0 | 0 | 0 | 30 |
| 35 | KERALA | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 14 |
| 36 | LAKSHADWEEP (UT) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
|  | TOTAL | 37 | 100 | 195 | 198 | 114 | 9 | 28 | 681 |
| CATEGORYWISE DISTRIBUTION OF DISTRICTS OUT OF THE 653 WHOSE DATA RECEIVED | | 6% | 15% | 30% | 30% | 18% | 1% | | |

**Table 2.Weekly Rainfall Departure (%) at different IMD subdivisions (2018)**

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**LEGEND:**

|  |  |
| --- | --- |
| **L. Excess: (+60 % or more)** |  |
| **Excess: (+20 % to +59 %)** |  |
| **Normal: (+19 % to -19 %)** |  |
| **Deficient: (-20 % to -59 %)** |  |
| **L. Deficient: (-60 % to -99 %)** |  |
| **No Rain: (-100 %)** |  |