

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

Weekly Crop Weather Information during 09th to 15th July 2018

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

Maharashtra

Vidarbha region

Light rainfall received over Vidarbha during past week. Maximum temperature across the week was -4.1 °C below normal and the minimum temperature was -0.4 °C below normal. Agricultural operations like good rainfall received in all the district of Vidarbha due to which the kharif sowing are nearer to completion. In areas that received sufficient rains remaining kharif sowings are underway. Planning for tree plantations upon sufficient rains and preparation of pits for new plantation of fruit crops being carried out. Hoeing weedings are being carried out in earlier sown crops are in progress. Earlier/ recently sown cotton, green gram, black gram and soybean are through emergence/seedling phase. Rice at transplanting stage in eastern Vidarbha districts. Acid lime, sapota and gourds are being harvested stage as per maturity. No major pest/diseases were noticed.

Madhya Maharashtra region

Cloudy weather light to medium rainfall received in Madhya Maharashtra region of Maharashtra state during this week. Agriculture operations like sowing kharif season crops are in progress. Low intensity of bark eating caterpillar in pomegranate was noticed.

Marathwada region

Light rainfall received in Marathwada region of Maharashtra state during this week. The Maximum temperature was range from 27.5 to 30.4°C and the minimum temperature was ranges from 21.0 to 22.5 °C. Agriculture operations like intercultural operations viz; weeding, hoeing in sown rainfed crops, fertilizer application of cotton crop and some place sowing of Kharif crops is in progress. kharif crops viz cotton, soybean sorghum, bajra, maize, pigeon pea green gram and black gram are in germination to development state. The irrigated cotton crop is development stage, Sugarcane crop is in grand growth stage, vegetable crops are at fruiting stage and fruit crops are in development stage. No major pest/diseases were noticed.

Konkan region

Heavy rainfall received in Konkan region of Maharashtra state during this week. The maximum and minimum temperature ranged from 27.0 to 29.0 and 22.0°C to 25.0 °C respectively.

Agriculture operations like transplanting of rice, sapota spraying for control of anthracnose is in progress. Rice in transplanting stage and finger millet nursery stage. Low intensity of Anthracnose in sapota was noticed.

Andhra Pradesh

Light rain occurred in Andhra Pradesh state during this week. The total area sown in the state is 7.94 lakh ha (20%) as against the normal kharif sown area of 39.53 lakh ha and 84% of normal sown area of 9.51 lakh ha as on 11.07.18. Agriculture operations like sowing of groundnut and redgram with pre-sowing irrigation is in progress. Groundnut and redgram are at emergence to early vegetative stage. No major pests and diseases were noticed.

Assam

Light rainfall received in Assam state during this week. Daily average maximum temperature was 30.9°C which was 1.5°C below normal and the average daily minimum temperature was 24.8°C which was same as normal for the week. Agriculture operations like continuation of the transplanting of sali rice in main field, sowing of summer sesamum, sowing/planting of summer vegetables and earthing up of sugarcane crops are in progress. Sali rice is in transplanting stage, summer sesamum is in sowing stage and summer vegetables are at vegetative/flowering stage. No major pests and diseases were noticed.

Chhattisgarh

Light rainfall received in Chhattisgarh state during this week. The area (in thousand ha) sown under different crops as on 09.07.2018 are as under. Total Cereals 3987.51 (1745.28, 44%), Total pulses 386.80 (20.40, 5%), Total Oilseeds 302.19 (70.54, 23%) Total kharif crops 4820.0 (1871.73, 39%) Agriculture operations like preparations for plantations of orchard / fruit trees going on. Intercultural operations are going on in vegetables. Leafy vegetables sowing and preparation of nursery for other vegetables are going on. Need based application of insecticides in vegetables against aphids, thrips, fruit and pod borer and other pests. Irrigation and intercultural operation in sugarcane. Need based irrigation and intercultural operation in late sown tomato, brinjal, chilli, okra and other vegetable crops. Sowing and intercultural operation of leafy vegetables (spinach, fenugreek) and planting of chilies, okra are in progress. Mango is in physiological maturity and harvesting stage. Solanaceous vegetables like brinjal, chilies are at fruiting stage. Okra is in physiological maturity and harvesting stage. Low intensity of fruit borer and white fly leaf curling in solanaceous vegetables crops was noticed.

Uttar Pradesh

East Uttar Pradesh

Light rainfall received in Eastern Uttar Pradesh region of Uttar Pradesh state during this week. Agriculture operations like transplanting of rice weeding in direct seeded rice. Fertilizer application in sugarcane, filling of pits for new plantation crop are in progress. Rice just transplanted, sugarcane is in grand growth stage. Maize is in early vegetative stage. No major pests and diseases were noticed.

West Uttar Pradesh

Light rainfall received in West Uttar Pradesh region of Uttar Pradesh state during this week. Maximum temperature ranged from 32.5 to 36.5°C and minimum temperature ranged from 26.5 to 27.4°C. Agriculture operations like seedbed and seedling management, apply NPK fertilizer in nursery field and FYM in main field in Kharif Rice, cowpea, brinjal, ridge gourd and cucumber intercultural operations, intercultural operations and harvesting in bitter gourd and jute crops are in progress. Kharif rice is in seedling stage, chilli, coriander are at harvesting/maturity stage, jute is in vegetative and branching stage and dhaincha is at branching to flowering stage. No major pests and diseases were noticed.

Haryana

Light rainfall received in Haryana state during this week. Maximum temperature was above normal upto 13th July thereafter below normal, while minimum temperature was above normal. Agriculture operations like intercultural operation in cotton crop, rice at transplanting, field preparation and sowing in bajra, guar and arhar crops are in progress. Cotton crop at vegetative stage, bajra is at emergence and rice is at transplanting stage. No major pests and diseases were noticed.

Himachal Pradesh

Moderate rainfall received in Himachal Pradesh state during this week. The maximum and minimum temperature ranged between 26.5 to 30.5°C and 19.0 to 21.5°C which above normal by 0.5-3.1°C and 0.4-1.5°C, respectively. Agricultural operation like transplanting of paddy, hoeing and top dressing in maize and transplanting of vegetables like: tomato & brinjal crops are in progress. Rice is in seedling stage, maize is in knee high stage, summer vegetables are in maturity stage, kharif vegetables are in seedling to vegetative stage and soybean is at leaf development stage. No major pests and diseases were noticed.

Jharkhand

Light rainfall received in Jharkhand state during this week. Daily maximum and minimum temperature ranged from 29.3 to 34.3 °C and 20.4 to 24.4 °C, respectively. Average weekly maximum and minimum temperature was 26.6 to 21.8 °C, respectively and their normal value is 29.4 to 23.2 °C which was moderately less from their normal value. Agricultural operation like land preparation, sowing of arhar, maize, urd ,moong and seedling of rice crops are in progress. Rice is in seedling stage. No major pests and diseases were noticed.

Kerala

Light rainfall received in Kerala state during this week. The maximum temperature ranges from 25.0 to 30.5 °C and minimum temperature ranges from 21.3 to 22.5°C. Agricultural operation like providing proper drainage in the fields and crops are in progress. First paddy crop is in panicle initiation stage. Low intensity of pseudostem weevil in banana, leaf folder in paddy, bud rot in coconut and downy mildew in vegetables was noticed.

Karnataka

North Karnataka

Light rainfall at one or two places there has been not much rainfall in the districts namely Raichur, Vijayapur, Gadag, Haveri and Dharwad. Moderate rain has been received in other districts namely Ballary, Koppal, Gulbarga, Yadgir, Bidar, Belagavi and Bagalkote of North Interior Karnataka during this week. Agriculture operations like intercultivation, thinning (removal of weak and pest or disease affected seedlings) in already sown crops are in progress. All the sown crops are in early seedling stage. Low intensity of leaf curl and sucking pests in tomato, bacterial blight and sucking pests in pomegranate and leaf minor in citrus was noticed.

South Karnataka

Light rainfall received in South Karnataka during this week. State actual rainfall for 28th week i.e., 6th July to 12th July 2018 was 98.0 mm as against the normal of 63.0 mm with (+) 56 % deviation. Whereas SIK received 27.0 mm of rainfall as against the normal of 19.0 mm leading to (+) 42 % deviation. Agriculture operations like land preparation and sowing of Kharif crops like Ragi, Maize, Ground nut and Redgram crops preparation and sowing of Kharif crops like Ragi, Maize, Ground nut and Redgram crops are in progress. All kharif sown crops are at germination and early vegetative stage. Low intensity of anthracnose in mango was noticed.

Odisha

Light rainfall received in Odisha state during the week. Agricultural operations like wet nursery sowing of kharif paddy in medium land, incorporation of green manure crop, puddling of

main rice field for transplanting, land preparation and sowing of ragi, maize, pigeon pea, cotton, groundnut. Intercultural operation and plant protection of jute, plant protection of sugarcane. planting of chrysanthemum. intercultural operation of tuberose planting of chrysanthemum and marigold planting of mango, cashew nut, coconut, papaya, drumstick `planting of chrysanthemum. Intercultural operation of tuberose preparation and planting of kharif vegetables crops are in progress. Moderate intensity of bacterial leaf blight, blast, brown plant hopper, gundhi bug, sheath blight, swarming caterpillar, yellow stem borer in paddy crop was noticed.

Tamil Nadu

Dry weather prevailed in Tamil Nadu state during the week. The maximum temperature was 0.6°C below normal and the minimum temperature was 1.3 °C above normal across the week. Agricultural 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 booting stage. Banana is in bunch development to harvest stage. Jasmine is in flowering stage. Tomato and Bhendi are in fruiting to harvest stage. Citrus is in fruiting stage. Cotton is in squaring to boll formation stage. Moderate intensity of leaf folder in rice, leaf webber, bud worm in jasmine, bollworm in cotton, scab citrus, sucking pest chillies and wilt in banana was noticed.

Punjab

Light rainfall received in Punjab state during this week. The maximum temperature during the week ranged between 32.1 to 39.4°C and minimum temperature ranged between 23.8 to 30.0°C. Agricultural operations like transplanting of basmati and sowing mash crops are in progress. Paddy at tillering stage, cotton at flower initiation stage, chillies are at pod development stage. No major pests and diseases were noticed.

Rajasthan

Widespread rainfall received in entire state. Nagaur, Jodhpur, Kota, Pali and Jhalawar of the Rajasthan state during this week. The maximum temperature ranged from 29.4 to 35.6 °C with mean value of 32.2°C which is 0.2 °C above the normal value. The minimum temperature ranged from 21.7 to 25.0°C with mean value of 23.5°C which is 1.3°C below normal value. Agricultural operations like removal of excess water from field crops are in progress. Soybean, maize, sorghum, pearl millet, moongbean and cowpea are at seedling stage. No major pests and diseases were noticed.

Uttarakhand

Light rainfall received in Uttarakhand state during the week. Agricultural operations like intercultural operations in kharif crops, picking of tomato, brinjal, okra and beans crops are in progress. Growth stage in chaiti dhan, barnyard millet, early sown maize, cauliflower, cabbage, capsicum and chilli, seedling/growth stage while fruiting stage in tomato, brinjal in irrigated valleys, fruit stage in summer squash, fruit development in temperate fruit crops. No major pests and diseases were noticed.

West Bengal

Light rainfall received in West Bengal state during the week. Maximum temperature ranges from 32.5 to 36.5 °C and minimum temperature ranges 26.5 to 27.4 °C. Agricultural operations like Kharif Rice: Seedbed and seedling management, apply NPK fertilizer in nursery field and FYM in main field. Vegetables like Cowpea, brinjal, ridge gourd and cucumber: Intercultural operations are going on. Bitter gourd: Intercultural operations and harvesting. Intercultural operation for jute is going on. Kharif rice: Seedling stage. Chilli, coriander: Harvesting/maturity stage. Jute: Vegetative and branching stage. Dhaincha: Branching and flowering stage. Low intensity of caterpillar in jute crop was noticed.

Weather during 05th to 11th July 2018

Significant Weather Features

Activity of monsoon and associated Rainfall

- Southwest monsoon was vigorous over Madhya Maharashtra and Vidarbha on one day each. It remained active over: Konkan & Goa all through the week; Madhya Maharashtra, Vidarbha, Telangana and Coastal Andhra Pradesh on many days; Marathwada, Coastal Karnataka and Kerala on a few days and over Sub-Himalayan West Bengal & Sikkim, Jharkhand, Odisha, Chhattisgarh, West Madhya Pradesh, Himachal Pradesh, Gujarat Region and South Interior Karnataka on one or two days during the week.
- Widespread rainfall occurred on: most of the days over Konkan & Goa, Coastal Karnataka and Vidarbha; many days over Arunachal Pradesh, Telangana, Kerala and Lakshadweep; a few days over Marathwada and on one or two days over Andaman & Nicobar Islands, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Odisha, Madhya Maharashtra, West Madhya Pradesh and interior Karnataka. Fairly widespread rainfall occurred on: most days over east Madhya Pradesh; many days over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Madhya Maharashtra, North Interior Karnataka and Coastal Andhra Pradesh; a few days over Chhattisgarh, West Madhya Pradesh, South Interior Karnataka, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Uttarakhand and on one or two days over Arunachal Pradesh, Bihar, Jharkhand, Vidarbha, Gujarat Region, Marathwada, Rayalaseema, Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Kerala, Andaman & Nicobar Islands and Lakshadweep. Scattered rainfall occurred on: many days over Gujarat Region, Jharkhand and Rayalaseema; a few days over West Madhya Pradesh, Saurashtra & Kutch, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and on one to two days over Jammu & Kashmir, east Madhya Pradesh, East Rajasthan, Coastal Andhra Pradesh, Tamil Nadu, Telangana, Marathwada, interior Karnataka, Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Gangetic West Bengal, Chhattisgarh, Madhya Maharashtra and Lakshadweep.
- Extremely heavy rains occurred over Konkan & Goa on many days, over Gujarat Region on 2 days and over Coastal & South Interior Karnataka, Uttarakhand, Madhya Maharashtra and Vidarbha on one day each. Very heavy rains occurred on many days over Coastal & South Interior Karnataka and Madhya Maharashtra and on one or two days over Vidarbha, Odisha, Kerala, Bihar, Uttarakhand, Himachal Pradesh, Saurashtra and Gujarat Region. Rest of the meteorological sub-divisions except Rayalaseema and West Rajasthan reported heavy rainfall on one or the other day during the week.

Daily Maximum temperature

- In the absence of rain producing systems, the Day maximum temperatures started rising over parts of northwest India from 6th July. The temperatures rose above 40°C over parts of north Rajasthan, southern parts of Haryana, Delhi and parts of northwest Madhya Pradesh during 6th – 11th July. The highest maximum temperature of 45.4°C was recorded at Churu (West Rajasthan) on 9th July.

Meteorological Analysis

- The axis of monsoon trough at mean sea level passed through Bhatinda, Hissar, Aligarh, Bahraich, Muzaffarpur, Jalpaiguri, Goalpara and Jorhat on 5th July. It passed through: Amritsar, Chandigarh, Shahjahanpur, Gorakhpur, Nawada, Bankura, Digha and thence east-southeastwards to East-central Bay of Bengal on 6th; Kapurthala, Nahan, Najibabad, Shahjahanpur, Varanasi, Purnea, Digha and thence to the center of the low pressure area over northwest Bay of Bengal & neighbourhood on 7th; Amritsar, Chandigarh, Shahjahanpur, Churk, Daltonganj, Jamshedpur, Digha and thence east-southeastwards to eastcentral Bay of Bengal on 8th; Ganganagar, Narnaul, Tikamgarh, Ambikapur, Jharsuguda, Puri and thence east-southeastwards to eastcentral Bay of Bengal and extended upto 0.9 km above mean sea level on 9th; Ferozepur, Alwar Tikamgarh, Umaria, Pendra, Sambalpur, Puri and thence east-southeastwards to eastcentral Bay of Bengal and extended upto 1.5 km above mean sea level on 10th and passed through Ferozepur, Alwar, Tikamgarh, Sidhi, Ambikapur, Chaibasa, Digha and thence east-southeastwards to East central Bay of Bengal extending upto 0.9 km above mean sea level on 11th.
- Last week's cyclonic circulation over Central Pakistan and adjoining Punjab between 1.5 km & 2.1 km above mean sea level became less marked on 5th July.
- Last week's cyclonic circulation over West Uttar Pradesh and adjoining Uttarakhand & Haryana extending upto 0.9 km above mean sea level became less marked on 5th July.
- A Western Disturbance as an upper air cyclonic circulation lay over north Pakistan & neighbourhood between 3.1 km & 4.5km above mean sea level with a trough aloft with its axis at 5.8 km above mean sea level running roughly along Long. 72°E to the north of Lat. 32°N on 5th July. The upper air cyclonic circulation became less marked on 6th. However, the trough aloft with its axis at 5.8 km above mean sea level roughly along Long. 72°E to the north of Lat. 32°N persisted on 6th & 7th. It lay as a cyclonic circulation over north Pakistan and adjoining Jammu & Kashmir between 4.5 & 5.8 km above mean sea level on 8th and became less marked on 9th.
- A cyclonic circulation at 7.6 km above mean sea level lay over North Interior Karnataka & neighbourhood on 5th July. It lay over Marathwada & neighbourhood on 6th and merged with the eastwest shear zone roughly along latitude 19° N on 7th July.

- A trough extending upto 0.9 km above mean sea level ran from South Interior Karnataka to south Tamilnadu on 5th July and became less marked on 6th.
- Last week's cyclonic circulation over south Odisha and neighbourhood lay over interior Odisha & neighbourhood between 4.5 km & 5.8 km above mean sea level on 5th July. It lay over north Chhattisgarh & neighbourhood between 2.1 km & 4.5 km above mean sea level on 6th and became less marked on 7th.
- Last week's cyclonic circulation between 5.8 km & 7.6 km above mean level over southeast Bangladesh and neighbourhood lay over south Bangladesh & neighbourhood on 5th July. It lay over northwest Bay of Bengal and adjoining coastal areas of West Bengal & Odisha between 3.1 km & 7.6 km above mean sea level tilting southwest-wards with height on 6th. Under its influence, a low pressure area formed over northwest Bay of Bengal & neighbourhood on 7th. Associated cyclonic circulation extended upto 7.6 km above mean sea level tilting southwest-wards with height on 7th. The low pressure area became less marked on 8th. However, the cyclonic circulation lay over north Odisha & neighbourhood and extended upto 7.6 km above mean sea level tilting southwest-wards with height on 8th. It lay over Chhattisgarh and adjoining Odisha on 9th and lay over Chhattisgarh and adjoining east Madhya Pradesh on 11th and over northeast Madhya Pradesh and neighbourhood extending upto 2.1 km above mean sea level embedded in the monsoon trough on 11th.
- Last week's cyclonic circulation over south Pakistan & neighbourhood persisted there extending upto 4.5 km above mean sea level on 5th July. It persisted over the same region between 3.1 & 5.8 km above mean sea level on 6th. It lay over south Pakistan & adjoining West Rajasthan and extended upto 2.1 km above mean sea level on 7th; between 1.5 & 2.1 km above mean sea level on 8th and became less marked on 9th.
- The feeble offshore trough at mean sea level ran from south Gujarat coast to north Kerala coast during 5th to 7th July. It ran from south Karnataka coast to Kerala coast on 8th; ran off Karnataka - Kerala coasts as a strengthened offshore trough during 9th to 11th.
- Last week's cyclonic circulation at 5.8 km above mean level over south Gujarat region & neighbourhood became less marked on 5th July.
- A cyclonic circulation extending upto 2.1 km above mean sea level lay over eastern parts of Bihar & neighbourhood on 6th July. It lay over Bihar and adjoining East Uttar Pradesh and extended upto 1.5 km above mean sea level on 7th; lay over East Uttar Pradesh & neighbourhood and extended upto 3.6 km above mean sea level on 8th; lay over south Uttar Pradesh and neighbourhood and extended upto 2.1 km above mean sea level on 9th and merged with the monsoon trough on 10th.

- Another cyclonic circulation extending upto 0.9 km above mean sea level lay over east Assam & neighbourhood on 6th July and became less marked on 7th.
- An east-west shear zone ran roughly along latitude 19° N between 3.1 & 7.6 km above mean sea level, tilting southwards with height on 7th & 8th July . It was seen between 4.5 & 7.6 km above mean sea level across the cyclonic circulation over Chhattisgarh and adjoining Odisha on 9th; lay over Chhattisgarh & adjoining East Madhya Pradesh and extended upto 2.1 km above mean sea level embedded in the monsoon trough on 10th; ran roughly along latitude 20°N between 3.1km & 4.5 km above mean sea level on 10th and ran roughly along latitude 18°N and at 5.8 km above mean sea level on 11th.
- A cyclonic circulation lay over Arunachal Pradesh & neighbourhood between 1.5 and 2.1 km above mean sea level on 8th July and became less marked on 9th.
- A cyclonic circulation lay over north Haryana and neighbourhood and extended upto 1.5 km above mean sea level embedded in the monsoon trough on 9th July and merged with the monsoon trough 10th.
- A cyclonic circulation lay over south Gujarat and neighbourhood between 2.1 and 3.6 above mean sea level on 9th July. It was seen between 0.9 km and 3.6 km above mean sea level on 10th and persisted at 3.1 km above mean sea level on 11th.
- Another cyclonic circulation lay over south Odisha & neighbourhood between 3.1 km & 5.8 km above mean sea level on 10th July and over north Coastal Odisha and neighbourhood between 3.1 km & 7.6 km above mean sea level tilting southwest-wards with height on 11th.
- A cyclonic circulation at 7.6 km above mean sea level lay over north Kerala and neighbourhood on 10th July and lay over south coastal and adjoining Interior Karnataka on 11th.
- A cyclonic circulation lay over south Pakistan and adjoining West Rajasthan between 1.5 km & 2.1 km above mean sea level on 11th July.

Average rainfall during the week

The All India area weighted rainfall during the week 54.7 mm was 14% above normal (63.5 mm).

The subdivision-wise weekly rainfall distribution is presented in Fig.1. Rainfall was Large excess in 3, excess in 6, normal in 6, deficit in 12., L. deficit in 9 and no rain in 0 out of 36 meteorological sub-divisions.

Cumulative Seasonal rainfall (1st June to 11th July 2018)

The cumulative seasonal rainfall during 1st June to 11th July 2018 over the country as a whole was 239.3 mm which is 8% below normal rainfall of 261.3 mm.

The subdivision-wise seasonal rainfall distribution is presented in Fig. 2. Rainfall was Large excess in 0, excess in 7, normal in 16, deficit in 12 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 monsoon season (1st June to 11th July 2018)

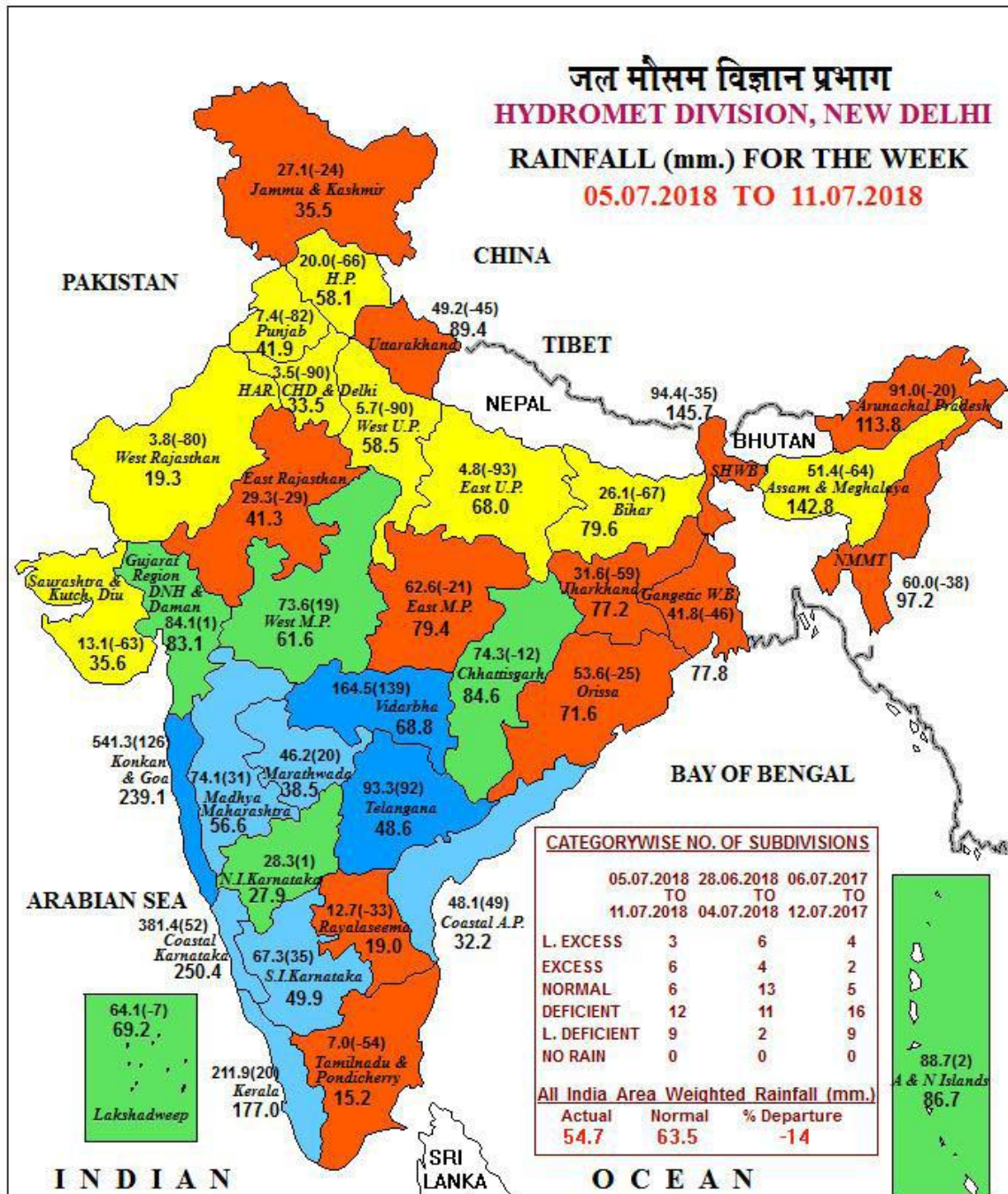
In the country, 17% districts received large excess, 32% districts received excess and 32% districts normal rainfall during post monsoon season so far. However, 13% districts received deficient, 0% districts received large deficient rainfall and 0% districts received no rainfall and 0 districts received no data. (Table-1).

Weekly rainfall departure (%) at different IMD subdivisions (2018)

During the week under report 6 Sub-divisions viz.; Konkan & Goa, Vidarbha and Telangana received large excess rainfall, 6 Sub-divisions viz.; Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Coastal Karnataka, South Interior Karnataka and Kerala received excess rainfall, 6 Sub-divisions viz.; Gujarat region, West Madhya Pradesh, Chhattisgarh, North Interior Karnataka, Lakshadweep and Andaman & Nicobar Islands received normal rainfall and remaining 13 Sub-divisions received either deficit / large deficit / no rainfall. (Table-2).

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग HYDROMET DIVISION, NEW DELHI RAINFALL (mm.) FOR THE WEEK 05.07.2018 TO 11.07.2018



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%] NO DATA

NOTES:

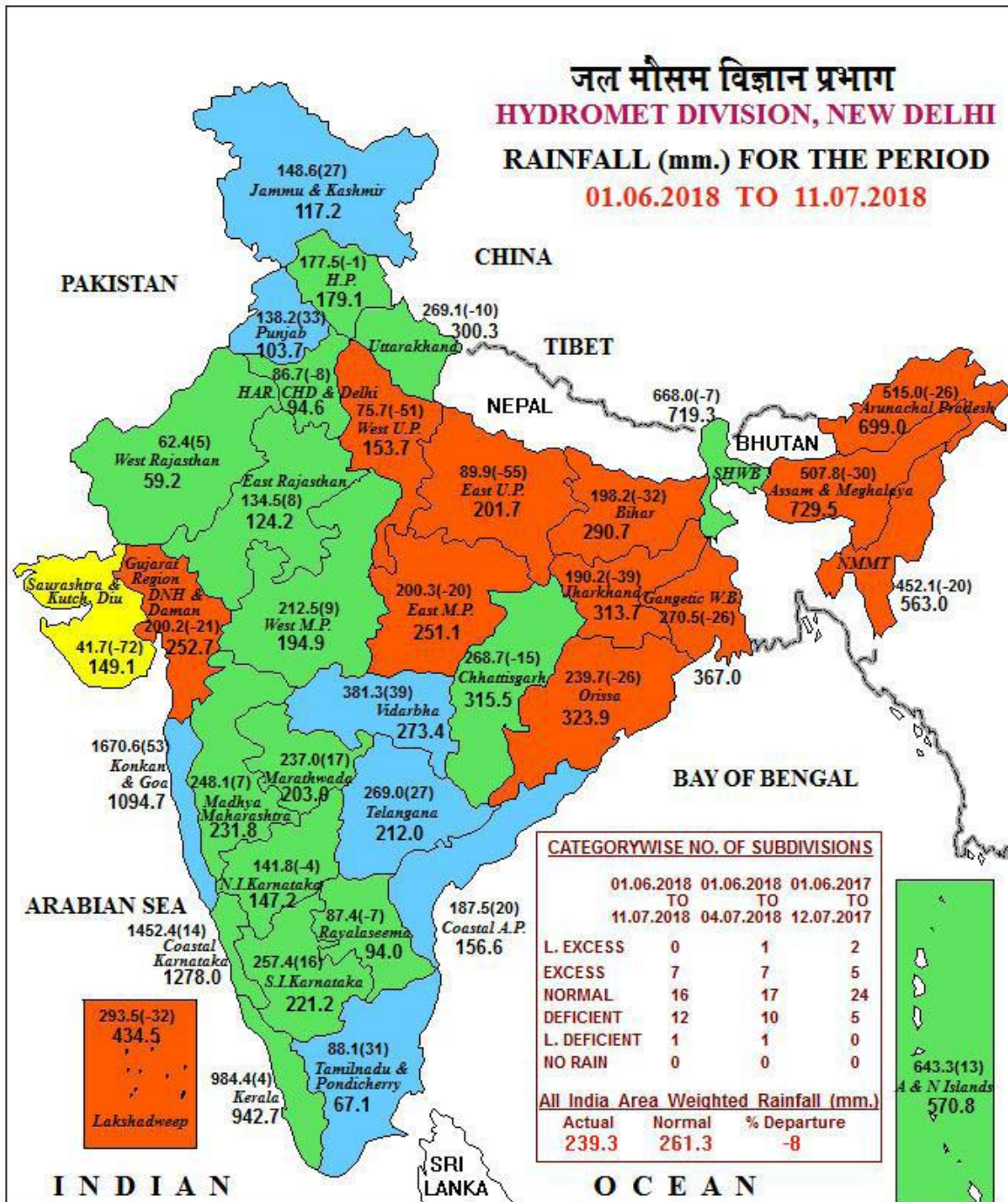
- [a] Rainfall figures are based on operational data.
- [b] Small figures indicate actual rainfall [mm.], while bold figures indicate Normal rainfall [mm.]
Percentage Departures of Rainfall are shown in Brackets.

Fig-1

INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI

RAINFALL (mm.) FOR THE PERIOD
01.06.2018 TO 11.07.2018



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%] NO DATA

NOTES:

(a) Rainfall figures are based on operational data.

(b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)

Percentage Departures of Rainfall are shown in Brackets.

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 11.07.2018)

S.NO.	STATES	PERIOD FROM : 01.06.2018 TO 11.07.2018							
		LE	E	N	D	LD	NR	ND	TOTAL
1.	A & N ISLAND (UT)	0	0	3	0	0	0	0	3
2.	ARUNACHAL PRADESH	1	0	3	5	4	0	3	16
3.	ASSAM	0	1	12	12	1	0	1	27
4.	MEGHALAYA	0	0	3	3	0	0	1	7
5.	NAGALAND	0	1	2	0	2	0	6	11
6.	MANIPUR	0	1	0	2	2	0	4	9
7.	MIZORAM	1	1	2	0	0	0	5	9
8.	TRIPURA	0	0	4	0	0	0	0	4
9.	SIKKIM	0	1	1	2	0	0	0	4
10.	WEST BENGAL	0	1	6	12	0	0	0	19
11.	ODISHA	0	1	7	22	0	0	0	30
12.	JHARKHAND	0	0	2	17	5	0	0	24
13.	BIHAR	0	2	6	20	10	0	0	38
14.	UTTAR PRADESH	0	5	5	16	46	0	0	72
15.	UTTARAKHAND	1	1	7	4	0	0	0	13
16.	HARYANA	1	4	9	5	2	0	0	21
17.	CHANDIGARH (UT)	0	0	1	0	0	0	0	1
18.	DELHI	0	0	1	4	2	0	2	9
19.	PUNJAB	7	7	3	3	0	0	0	20
20.	HIMACHAL PRADESH	0	1	10	1	0	0	0	12
21.	JAMMU & KASHMIR	7	5	3	4	0	0	3	22
22.	RAJASTHAN	2	10	13	8	0	0	0	33
23.	MADHYA PRADESH	3	11	16	20	1	0	0	51
24.	GUJARAT	0	2	7	13	11	0	0	33
25.	DADRA & NAGAR HAVELI (UT)	0	0	1	0	0	0	0	1
26.	DAMAN & DIU (UT)	0	1	1	0	0	0	0	2
27.	GOA	0	0	2	0	0	0	0	2
28.	MAHARASHTRA	6	16	12	2	0	0	0	36
29.	CHHATISGARH	1	3	8	14	1	0	0	27
30.	ANDHRA PRADESH	0	4	6	3	0	0	0	13
31.	TELANGANA	3	13	14	1	0	0	0	31
32.	TAMILNADU	6	8	13	4	1	0	0	32
33.	PUDUCHERRY (UT)	0	2	0	0	0	0	2	4
34.	KARNATAKA	0	7	16	7	0	0	0	30
35.	KERALA	0	2	11	1	0	0	0	14
36.	LAKSHADWEEP (UT)	0	0	0	1	0	0	0	1
TOTAL		39	111	210	206	88	0	27	681
CATEGORYWISE DISTRIBUTION OF DISTRICTS OUT OF THE 654 WHOSE DATA RECEIVED		17%	32%	32%	13%	0%			

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

S.No.	Meteorological Sub Division	13 Jun (24)	20 Jun (25)	27 Jun (26)	04 Jul (27)	11 Jul (28)
1	Andaman & Nicobar Islands	Green	Blue	Orange	Orange	Green
2	Arunachal Pradesh	Yellow	Green	Orange	Green	Orange
3	Assam & Meghalaya	Orange	Green	Orange	Green	Yellow
4	Nagaland, Manipur, Mizoram, Tripura	Blue	Green	Orange	Orange	Orange
5	Sub-Himalayan West Bengal & Sikkim	Orange	Green	Green	Blue	Orange
6	Gangetic West Bengal	Green	Yellow	Green	Orange	Orange
7	Orissa	Blue	Yellow	Orange	Green	Orange
8	Jharkhand	Green	Yellow	Green	Orange	Orange
9	Bihar	Green	Yellow	Orange	Green	Yellow
10	East Uttar Pradesh	Orange	Yellow	Orange	Green	Yellow
11	West Uttar Pradesh	Blue	Yellow	Yellow	Green	Yellow
12	Uttarakhand	Green	Green	Yellow	Blue	Orange
13	Haryana, Chandigarh & Delhi	Blue	Green	Yellow	Blue	Yellow
14	Punjab	Blue	Blue	Yellow	Blue	Yellow
15	Himachal Pradesh	Blue	Green	Orange	Blue	Yellow
16	Jammu & Kashmir	Orange	Blue	Orange	Blue	Orange
17	West Rajasthan	Orange	Orange	Blue	Blue	Yellow
18	East Rajasthan	Green	Yellow	Blue	Blue	Orange
19	West Madhya Pradesh	Blue	Yellow	Blue	Green	Green
20	East Madhya Pradesh	Blue	Yellow	Yellow	Green	Orange
21	Gujarat Region	Yellow	Yellow	Blue	Orange	Green
22	Saurashtra, Kutch & Diu	Yellow	Yellow	Yellow	Orange	Yellow
23	Konkan & Goa	Blue	Green	Blue	Green	Blue
24	Madhya Maharashtra	Green	Yellow	Blue	Orange	Blue
25	Marathwada	Blue	Yellow	Blue	Yellow	Blue
26	Vidarbha	Blue	Yellow	Orange	Green	Blue
27	Chhattisgarh	Blue	Yellow	Orange	Green	Green
28	Coastal Andhra Pradesh	Blue	Yellow	Orange	Blue	Blue
29	Telangana	Blue	Yellow	Green	Orange	Blue
30	Rayalaseema	Blue	Yellow	Yellow	Green	Orange
31	Tamil Nadu & Pondicherry	Blue	Green	Yellow	Blue	Orange
32	Coastal Karnataka	Blue	Green	Green	Orange	Blue
33	North interior Karnataka	Blue	Yellow	Orange	Yellow	Green
34	South interior Karnataka	Blue	Orange	Orange	Orange	Blue
35	Kerala	Blue	Blue	Orange	Orange	Blue
36	Lakshadweep	Yellow	Green	Yellow	Green	Green

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 %)	
No Data:	