

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Weekly Crop Weather Information during 14th to 20th May 2019

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

Maharashtra

Vidarbha Region

Dry weather prevailed in Vidarbha region of Maharashtra state during this week. Maximum temperature across the week was 0.6 °C below normal. Minimum temperature across the week was 1.5 °C below normal. Agriculture operations like summer ploughing (tractor) operations are underway in current fallow fields. Need based irrigation is being scheduled to reproductive stage of summer crops/vegetables and also to orchards. Harvesting of vegetables, sapota, papaya, acid lime, water melon/musk melon as per maturity of fruits in progress. Basin mulching in fruit orchards being carried out. Thatches (for heat protection) are being made for young growing fruit plantation. Maintenance work of farm pond, mending of drainage lines/bunds are in progress. Summer crops /vegetables are at reproductive stage. Groundnut at pod development stage. Summer rice in eastern Vidarbha at grain formation stage, early varieties at physiological maturity. Fruit bearing stage in mango. Papaya/sapota/sweet orange fruits/water melon/cluster bean/okra at harvest stage as per maturity of fruits. No major pests and diseases were noticed.

Marathwada Region

Dry weather prevailed in scattered places in Marathwada region of Maharashtra state during this week. Maximum temperature was range from 41.0 to 43.2 °C and the minimum temperature was ranges from 23.0 to 29.0 °C. Agriculture operations like irrigation to fruit, vegetable and summer crops and ploughing in harvested fields are in progress. Irrigated summer field crops are at maturity to harvesting stage and vegetables are at vegetative stage and sugarcane is at grand growth stage. No major pests and diseases were noticed.

Madhya Maharashtra

Dry weather prevailed in scattered places in Madhya Maharashtra region of Maharashtra state during this week. Agriculture operations like land preparation for kharif crops are in progress. Light intensity of hoppers, aphids and mites in summer vegetables crops were noticed.

Konkan Region

Dry weather prevailed in Konkan region of Maharashtra state during this week. The Maximum temperature was range from 32.2 to 34.2 °C and the minimum temperature was ranges from 19.5 to 22.1°C. Agriculture operations like irrigation in fruit crop at an interval 5 to 6 days and in vegetables crops are in progress. Maturity in summer rice, fruit maturity in mango, pod maturity in groundnut, fruit maturity in cashewnut and flowering & fruiting in summer okra and chilli. Low intensity of thrips in chilli, shoot & fruit borer in brinjal and okra crops were noticed.

Andhra Pradesh

Mainly dry weather prevailed over Andhra Pradesh state during this week. Agriculture operations like summer ploughing are in progress. Low intensity of early shoot borer and woolly aphids in sugarcane. sucking pest in groundnut and thrips and mite in chillies crops were noticed.

Assam

Light rainfall received in Assam state during this week. Daily average maximum temperature was 26.4°C which was 3.8°C below normal and the average daily minimum temperature was 20.6°C which was 0.9 °C below normal. Agriculture operations like weeding in ahu rice, land preparation in sali rice, planting banana, harvesting arecanut, selection of sites and varieties black pepper are in progress. Ahu rice is in vegetative stage, ginger, arecanut is in maturity stage and papaya are in vegetative stage. No major pests and diseases were noticed.

Bihar

Dry weather prevailed in Bihar state during this week. Agriculture operations like sowing of elephant foot yam, harvesting and threshing of rabi maize, land preparation for sowing of ginger and turmeric. Interculturing operation in vegetables, land preparation for sowing of rice seeds in the nursery are in progress. Elephant foot yam in the early vegetative stage. Summer maize is in knee high stage. No major pests and diseases were noticed.

Chhattisgarh

Dry weather prevailed in Chhattisgarh state during this week. Agriculture operations like intercultural operations in vegetables, leafy vegetables sowing and preparation of nursery for other vegetables are going on. Need based application of insecticides in vegetables and rice against stem borer and other pests. Sowing of rabi maize and summer moong crops are in progress. Wheat crop in physiological maturity stage. Field pea, chickpea and lentil crops are in pod formation and maturity stage. Safflower, mustard, linseed are in maturity stage. Brinjal and tomato are in fruiting and picking stage. Solanaceous vegetables are at flowering/fruiting/picking stage while

crucifers are at head formation stage. Sugarcane is in physiological maturity stage. Low intensity of sucking pest, hopper in tomato, beans, cauliflower, cabbage cowpea and brinjal crops was noticed.

Uttar Pradesh

Western Uttar Pradesh

Dry weather prevailed in Western Uttar Pradesh region of Uttar Pradesh state during this week. Agriculture operations like threshing of wheat, barley, pigeonpea crops, irrigation and weeding in zaid maize, moong crops are in progress. Wheat, pigeon pea are at maturity stage, zaid urd and moong are at vegetative stage. Low intensity of thrips in urd moong was noticed.

Eastern Uttar Pradesh

Dry weather prevailed in Eastern Uttar Pradesh region of Uttar Pradesh state during this week. Agriculture operations like summer ploughing in fallow fields, sowing of dhaincha for green manuring. digging of pits for new plantation. irrigation application in sugarcane, vegetables, moong, sunflower, zaid maize and vegetables crops are in progress. Sugarcane and moong are in vegetative stage. Onion is in maturity stage and maize is in tasseling/silking stage. Light intensity of yellow vein mosaic in moong and fruit borer in brinjal crops were noticed.

Gujarat

Dry weather prevailed in Gujarat state during this week. The actual maximum temperature is 0.5 °C and actual minimum temperature is 0.9 °C lower as compared to their normal values. Agriculture operations like irrigation to all summer crops as and when required. Weeding and interculturing in summer crops are in progress. Most of the summer crops are in vegetative growth stage. Pearl millet is in ear head initiation stage No major pests and diseases were noticed.

Himachal Pradesh

Light rainfall received in Himachal Pradesh state during this week. The maximum temperature ranged between 28.5 to 32.5°C and minimum temperature ranged between 16.0 to 21.0°C which was above normal by 0.3 to 4.1°C and 0.8 to 3.3 °C, respectively. Agriculture operations like arrangement of fodder for their cattle and dairy animals. threshing of mustard, harvesting of wheat started in lower region of the state are in progress. Wheat crop are at harvesting /threshing stage, rapeseed and mustard are at harvesting stage, summer vegetables are at vegetative stage. No major pests and diseases were noticed.

Kerala

Light rainfall received in Kerala state during the week. Agricultural operations like mulching and irrigate in banana crops once in three days, and avoid agricultural activities and pesticide application to crops are in progress. Fruiting stage in vegetables. Vegetative stage in Banana. Maturity stage in pancha season paddy crop. Almost all fields affect the water scarcity and it reduces the crop cultivation. Moderate intensity of rice bug, sheath rot in paddy, bunchy top in banana and black headed caterpillar rhinoceros beetle in coconut were noticed.

Jammu & Kashmir

Dry weather prevailed in Jammu region of Jammu & Kashmir state during this week. The maximum temperature remained above normal by 1.0 to 2.0 °C and was in the range of 35.4 to 42.0 °C and minimum temperatures remain variable and ranged from 17.0 to 22.0 °C. In Kharif season about 17 % for maize, 9 % for bajra, 9 % for pulses, 16 % of fodder and 46 % of vegetable has been sown. Agriculture operations like hoeing and weeding in summer pulses, plant protection measures in vegetable crop, application of FYM in fallow fields and storing of rabi crop seeds for the next season are in progress. Summer pulses is at vegetative stage. Summer fodder is at vegetative stage. Late sown wheat is at physiological maturity stage. Summer okra is at fruiting stage. Low intensity of red pumpkin beetle in cucurbits crops were noticed.

Madhya Pradesh

Dry weather prevailed in Madhya Pradesh state during this week. Agriculture operations like irrigation in vegetables, fruit trees and field crops, pesticide application in vegetables, summer deep ploughing in fallow field and sowing of fodder sorghum and fodder maize crops are in progress. Moong and urd are in vegetative to flowering stage. Vegetables are in fruit picking stage and mango is in pod development stage. Low intensity of whitefly in okra and urd moong crops were noticed.

Karnataka

South Karnataka

Light rainfall received in Southern region of Karnataka state during this week. State actual rainfall was 3.0 mm as against the normal of 14.0 mm with (-) 80% deviation. Whereas SIK received 7.0 mm of rainfall as against the normal of 17.0 mm leading to (-) 61 % deviation. Agriculture operations like sowing of early kharif crops, deep ploughing/summer ploughing and harvesting, cleaning, drying and storage of rabi crops are in progress. Summer crops is in flowering stage. Light intensity of fruit fly in mango was noticed.

Punjab

Dry weather prevailed in Punjab state during the week. The maximum temperature during the week ranged between 36.5 to 41.0°C and minimum temperature ranged between 18.6 to 25.2°C. Agricultural operations like harvesting of wheat is in progress. Wheat and mustard crops are at maturity stage. No major pests and diseases were noticed.

Rajasthan

Thunderstorm with light to moderate rainfall and hailstorm was observed at many places in Rajasthan state during this week. The maximum temperature range from 35.4 to 39.7 °C with mean value of 37.5°C which was 0.9 °C above the normal value. The minimum temperature range from 18.1 to 25.6 °C with mean value of 21.8°C which was 2.1°C below the normal. Agricultural operations like winnowing and storage of rabi produce are in progress. Fodder maize is at vegetative to harvesting stage. No major pests and diseases were noticed.

Tamil Nadu

Light rainfall received in Tamil Nadu state during the week. The Maximum temperature was 1.7°C above normal and minimum temperature was 2.8°C above normal. Agricultural operation like plant protection measures for controlling pests and diseases are in progress. harvesting of chilies is in progress. Chilies is in fruiting stage. Banana is in vegetative to fruit development stage. Rice is in nursery to vegetative stage. Groundnut is in vegetative stage. Citrus is in fruiting stage. Blackgram is in flowering stage. Moderate tobacco caterpillar in groundnut, thrips in rice, fruit borer in chilies, rhinoceros beetle in coconut and canker scab in citrus were noticed.

West Bengal

Dry weather prevailed in West Bengal state during the week. The maximum temperature ranged between 36.6 to 39.0 °C and minimum temperature ranged between 26.5 to 28.9 °C. Agricultural operation like harvesting operations in boro rice and intercultural operations and harvesting of brinjal, tomato and intercultural operation in jute crops are in progress. Boro rice is in maturity stage, vegetables are in fruiting stage, sesame is in pod formation stage. Low intensity of black tip in mango was noticed.

Weather during 09th to 15th May 2019

Significant Weather Features

Heavy Rainfall Activity

- Heavy to very heavy rainfall had been reported at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub-Himalayan West Bengal one day and heavy at isolated places over Assam & Meghalaya on most days; over Arunachal Pradesh on few days; over Jammu & Kashmir, Sub-Himalayan West Bengal and Tamilnadu & Puducherry on one day during the week.

Heat wave Conditions

- Heat wave conditions reported at a few places over Bihar one day and at isolated places over Vidarbha on most days; over East Uttar Pradesh, Gangetic West Bengal and Telangana on few days; over Bihar, Odisha, Chhattisgarh on two days and at isolated places over Coastal Andhra Pradesh and Tamilnadu on one day during the week.

Temperature

- The highest maximum temperature of 46.4°C had been recorded at Brahmapuri (Vidarbha) on 15th May 2019 over the plains of the country during the week.

Meteorological Analysis

- Last week the Western Disturbance as a cyclonic circulation laid over northeast Afghanistan & adjoining north Pakistan on 09th May 2019; over north Pakistan & neighbourhood between 3.1 & 5.8 km above mean sea level with associated trough aloft in mid & uppertropospheric westerlies with its axis at 7.6 km above mean sea level ran roughly along Long. 70°E to the north of Lat. 20°N on 10th. It persists as a cyclonic circulation at 3.1 km above mean sea level over the same area with associated trough aloft in mid & uppertropospheric westerlies with its axis at 7.6 km above mean sea level roughly along Long. 72°E to the north of Lat. 32°N on 11th; laid over Jammu & Kashmir & neighbourhood between 3.1 and 5.8 km above mean sea level with associated trough aloft in midtropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 76°E to the north of Lat. 30°N on 12th; seen as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 82°E to the north of Lat. 26°N on 13th and moved away eastwards on 14th.

- An induced cyclonic circulation laid over Punjab and neighbourhood at 0.9 km above mean sea level on 11th May 2019 and became less marked on 12th.
- Another Western Disturbance as a trough in mid tropospheric westerlies with its axis at 5.8 km above mean sea level ran roughly along Long. 64°E to the north of Lat. 25°N on 09th May 2019 and merged with the cyclonic circulation over north Pakistan & neighbourhood on 10th.
- The induced cyclonic circulation over central Pakistan and adjoining West Rajasthan extended upto 0.9 km above mean sea level on 09th May 2019 and became less marked on 10th.
- Third Western Disturbance seen over west Iran as a cyclonic circulation at 3.1 km above mean sea level on 11th & 12th May 2019; over East Iran & neighbourhood extending upto 3.1 km above mean sea level on 13th& 14th and seen as a trough at 5.8 km above mean sea level roughly along Latitude 62°E to the north of Longitude 28°N 15th.
- Fourth Western Disturbance is seen as a cyclonic circulation at 3.1 km above mean sea level lay over East Iran and neighbourhood. The trough aloft at 5.8 km ran roughly along Latitude 53°E to the north of Longitude 18°N on 15th May 2019.
- A cyclonic circulation laid over north Bangladesh & neighbourhood extending upto 0.9 km above mean sea level on 09th May 2019 and became less marked on 10th.
- A trough at 0.9 km above mean sea level ran from north interior Odisha to Rayalaseema across Coastal Andhra Pradesh on 09th May 2019; from north interior Odisha to Comorin area across south Chhattisgarh, Telangana, Rayalaseema and interior Tamil Nadu on 10th and became less marked on 11th.
- An upper air cyclonic circulation laid over south Rajasthan & adjoining south Gujarat between 2.1 and 3.1 km above mean sea level on 09th May 2019; laid over southwest Rajasthan & neighbourhood between 2.1 and 3.1 km above mean sea level on 10th; over east Rajasthan and neighbourhood between 1.5 and 3.6 km above mean sea level on 11th; persisted over the same area and seen between 3.1 and 4.5 km above mean sea level on 12th and became less marked on 13th.
- A north south trough at 1.5 km above mean sea level ran roughly along Long. 88°E to the north of Lat. 24°N on 09th & 10th May 2019. It ran roughly along Long. 89°E to the north of Lat. 22°N on 11th and became less marked on 12th.

- A cyclonic circulation laid over east Assam & adjoining Nagaland at 1.5 km above mean sea level on 10th May 2019; over east Assam & neighbourhood at 0.9 km above mean sea level on 11th, 12th, 13th & 14th and became less marked 15th.
- A cyclonic circulation laid over south Coastal Andhra Pradesh & neighbourhood at 1.5 km above mean sea level on 10th May 2019 and became less marked on 11th.
- A cyclonic circulation seen over Bihar and neighbourhood extending upto 0.9 km above mean sea level on 11th May 2019; over east Bihar & neighbourhood extending upto 1.5 km above mean sea level. A trough from this cyclonic circulation ran to east Vidarbha at 1.5 km above mean sea level on 12th; cyclonic circulation seen over East Bihar & adjoining Jharkhand extending upto 0.9 km above mean sea level, however the trough from this cyclonic circulation to east Vidarbha at 1.5 km above mean sea level became less marked on 13th. Thereafter cyclonic circulation over East Bihar & adjoining Jharkhand extending upto 0.9 km above mean sea level became less marked on 14th.
- A trough ran from Bihar to south Chhattisgarh at 0.9 km above mean sea level on 11th May 2019 and became less marked on 12th.
- A cyclonic circulation extending upto 0.9 km above mean sea level laid over Telangana and neighbourhood. A trough extended from this cyclonic circulation to Comorin area at 0.9 km above mean sea level on 11th May 2019 and become less marked on 12th.
- A cyclonic circulation lay over South Interior Karnataka & neighbourhood between 1.5 and 2.1 km above mean sea level on 12th May 2019 and became less marked on 13th.
- A trough ran from Rayalaseema to Comorin area at 0.9 km above mean sea level on 12th May 2019; from Telangana to Comorin area across Rayalaseema and Interior Tamilnadu at 0.9 km above mean sea level on 13th and became less marked on 14th.
- A cyclonic circulation laid over northeast Rajasthan & neighbourhood at 0.9 km above mean sea level on 13th May 2019 and became less marked on 14th.
- A north-south trough ran along Long. 86°E to the north of Lat. 24°N at 1.5 km above mean sea level on 13th May 2019 and became less marked on 14th.
- A cyclonic circulation laid off Tamilnadu coast at 1.5 km above mean sea level on 13th May 2019 and became less marked 15th.

- A cyclonic circulation laid over Punjab & neighbourhood at 1.5 km above mean sea level on 14th May 2019 and became less marked on 15th.
- A cyclonic circulation laid over southwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level on 14th May 2019 and became less marked on 15th.
- A trough ran from East Uttar Pradesh to southwest Madhya Pradesh at 0.9 km above mean sea level on 14th May 2019 and became less marked on 15th.
- A cyclonic circulation laid over southern parts of Jharkhand & neighbourhood at 1.5 km above mean sea level on 14th May 2019 and became less marked on 15th.
- A cyclonic circulation laid over Marathawada & neighbourhood at 0.9 km above mean sea level. A trough extended from this cyclonic circulation to north Tamil Nadu across Interior Karnataka at 0.9 km above mean sea level on 14th May 2019 and became less marked. Another trough extended from south Madhya Maharashtra to Comorin area across interior Karnataka & interior Tamilnadu extending upto 1.5 km above mean sea level on 15th.
- A cyclonic circulation laid over Comorin area & neighbourhood at 3.1 km above mean sea level on 14th May 2019 and became less marked 15th.
- A cyclonic circulation laid over north Rajasthan & neighborhood extending upto 0.9 km above mean sea level on 15th May 2019.
- A north-south trough roughly ran along Latitude 85°E to the north of Longitude 23°N on 15th May 2019..

Average rainfall during the week

The All India area weighted rainfall during the week 9.5 mm was 33 above normal (14.3 mm).

The subdivision-wise weekly rainfall distribution is presented in Fig.1. Rainfall was Large excess in 2, excess in 0 normal in 4, deficit in 7, Large deficit in 19 and no rain in 4 out of 36 meteorological sub-divisions.

Cumulative Seasonal rainfall (01st March to 15th May 2019)

The cumulative seasonal rainfall during 01st March to 15th May 2019 over the country as a whole was 45.9 mm which is 22% below normal rainfall of 96.8 mm.

The subdivision-wise seasonal rainfall distribution is presented in Fig. 2. Rainfall was Large excess in 4, excess in 2, normal in 6, deficit in 17 and L. deficit in 7 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 pre monsoon season (01st March to 15th May 2019)

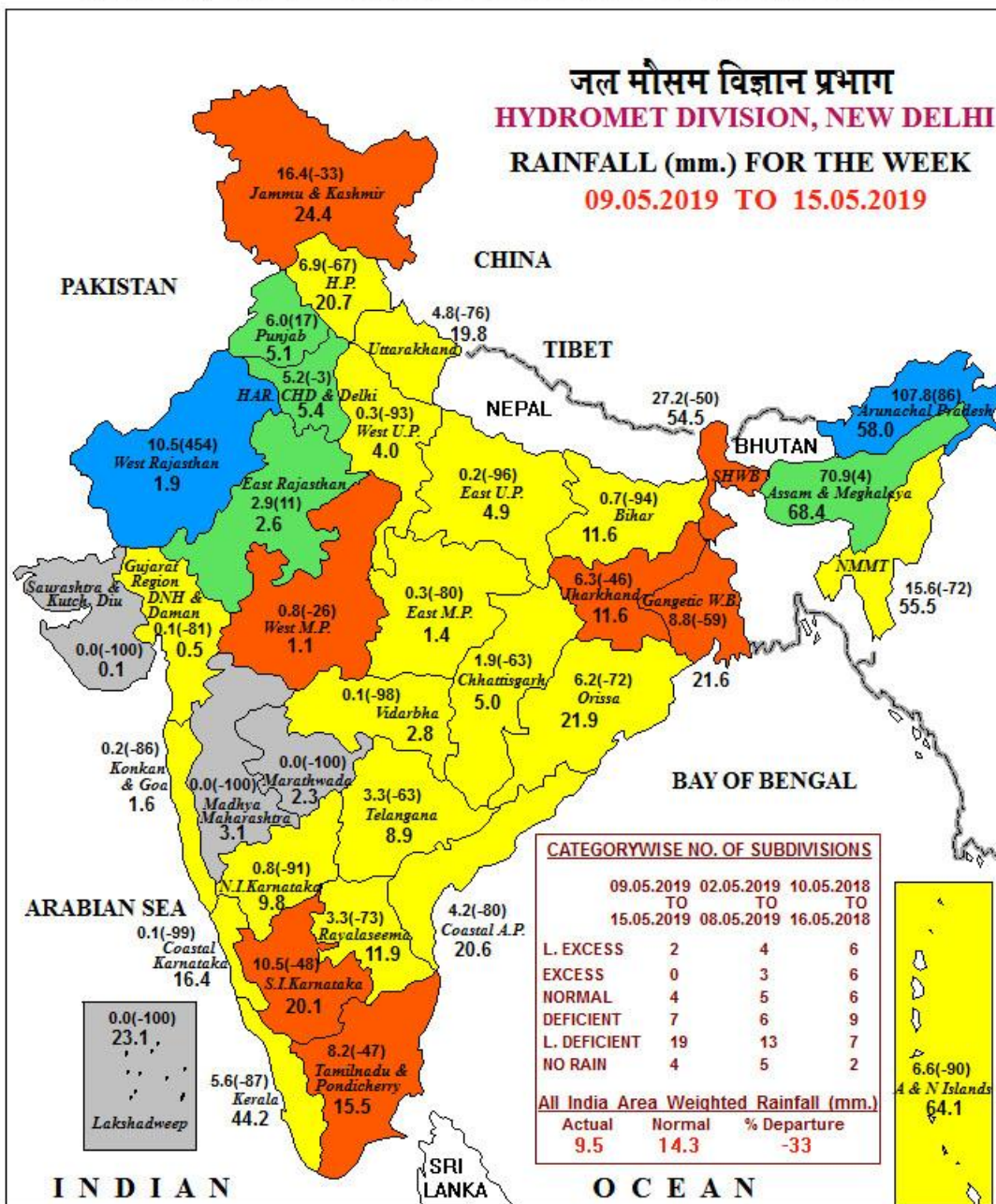
In the country, 14% districts received large excess, 9% districts received excess and 17% districts normal rainfall during pre monsoon season so far. However, 31% districts received deficient, 23% districts received large deficient rainfall and 6% districts received no rainfall and 0 districts received no data. (Table-1).

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

During the week under report 2 Sub-divisions viz.; West Rajasthan and Arunachal Pradesh received large excess rainfall, no Sub-divisions received excess rainfall, 4 Sub-divisions viz.; Punjab, Haryana Chandigarh & Delhi, East Rajasthan and Assam & Meghalaya received normal rainfall and remaining 30 Sub-divisions received either deficit / large Bengal, 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
09.05.2019 TO 15.05.2019**



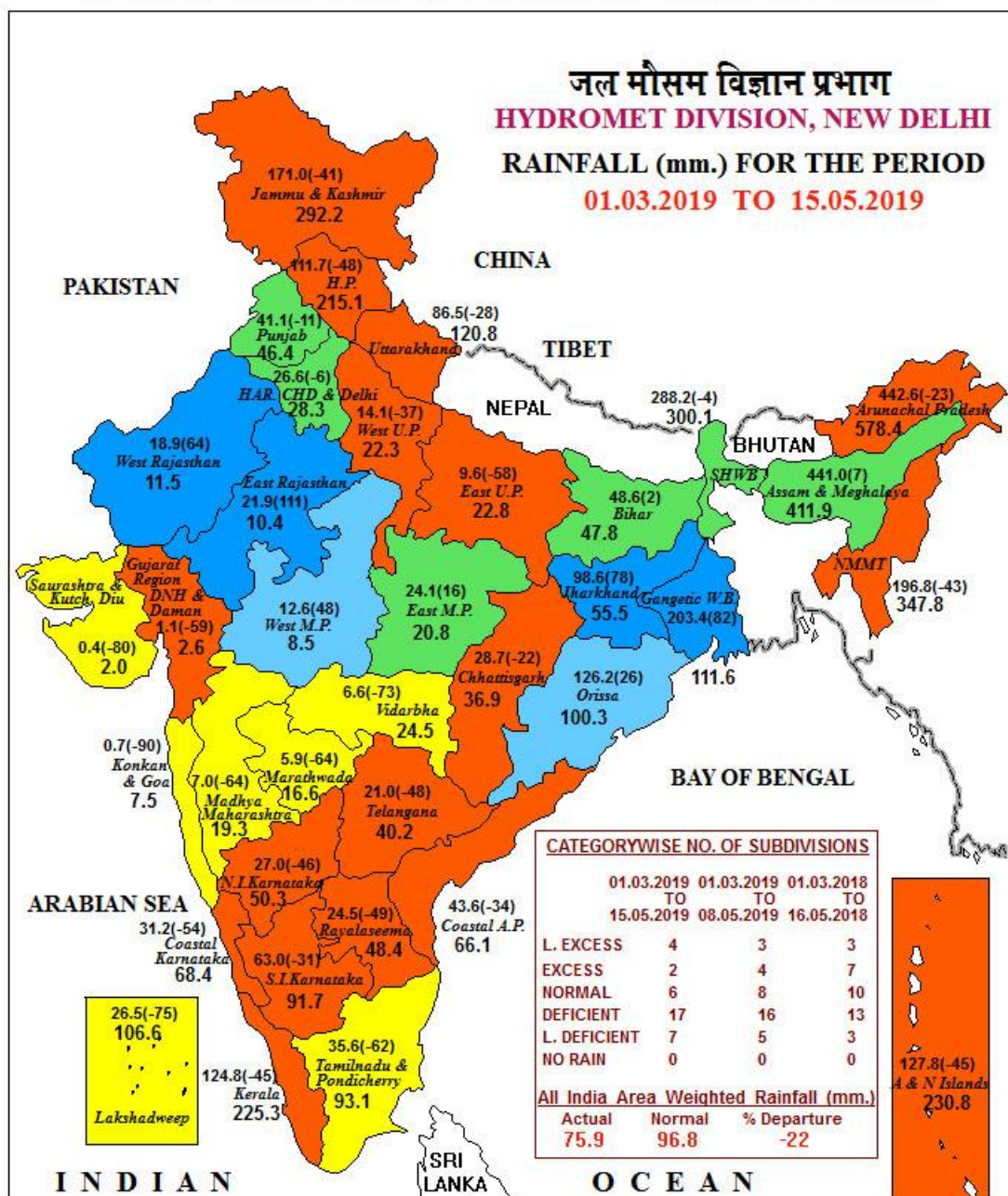
LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

NOTES:
 [a] Rainfall figures are based on operational data.
 [b] Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)

Fig-1

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग HYDROMET DIVISION, NEW DELHI RAINFALL (mm.) FOR THE PERIOD 01.03.2019 TO 15.05.2019



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. 03.2019 to 15.05.2019)

S.NO.	STATES	PERIOD FROM : 01. 03.2019 TO 15.05.2019							
		LE	E	N	D	LD	NR	ND	TOTAL
1.	A & N ISLAND (UT)	0	0	0	3	0	0	0	3
2.	ARUNACHAL PRADESH	0	1	6	4	1	0	4	16
3.	ASSAM	2	11	8	5	0	0	1	27
4.	MEGHALAYA	1	1	3	0	0	0	2	7
5.	NAGALAND	0	0	3	7	0	0	1	11
6.	MANIPUR	0	0	0	6	1	0	2	9
7.	MIZORAM	0	0	0	1	3	0	5	9
8.	TRIPURA	0	0	0	4	0	0	0	4
9.	SIKKIM	0	1	2	1	0	0	0	4
10.	WEST BENGAL	9	5	2	2	1	0	0	19
11.	ODISHA	10	6	7	7	0	0	0	30
12.	JHARKHAND	11	6	1	4	1	0	1	24
13.	BIHAR	5	4	8	10	10	0	1	38
14.	UTTAR PRADESH	0	3	9	25	32	3	0	72
15.	UTTARAKHAND	0	0	2	9	2	0	0	13
16.	HARYANA	4	3	4	7	3	0	0	21
17.	CHANDIGARH (UT)	0	0	1	0	0	0	0	1
18.	DELHI	0	0	1	4	4	0	0	9
19.	PUNJAB	2	2	9	7	0	0	0	20
20.	HIMACHAL PRADESH	0	1	3	7	1	0	0	12
21.	JAMMU & KASHMIR	0	1	1	14	3	0	3	22
22.	RAJASTHAN	21	3	5	3	0	1	0	33
23.	MADHYA PRADESH	18	8	9	7	6	3	0	51
24.	GUJARAT	0	1	2	1	6	23	0	33
25.	DADRA & NAGAR HAVELI (UT)	0	0	0	0	0	1	0	1
26.	DAMAN & DIU (UT)	0	0	0	0	0	2	0	2
27.	GOA	0	0	0	0	2	0	0	2
28.	MAHARASHTRA	0	0	1	6	21	4	4	36
29.	CHHATISGARH	3	2	7	11	4	0	0	27
30.	ANDHRA PRADESH	0	1	0	11	1	0	0	13
31.	TELANGANA	1	0	6	8	16	0	0	31
32.	TAMILNADU	0	0	3	8	20	1	0	32
33.	PUDUCHERRY (UT)	0	0	0	1	0	1	2	4
34.	KARNATAKA	1	1	6	16	6	0	0	30
35.	KERALA	0	0	2	6	6	0	0	14
36.	LAKSHADWEEP (UT)	0	0	0	0	1	0	0	1
TOTAL		88	61	111	205	151	39	26	681
CATEGORYWISE DISTRIBUTION OF DISTRICTS OUT OF THE 655 WHOSE DATA RECEIVED		14%	9%	17%	31%	23%	6%		

Table 2. Weekly Rainfall Departure (%) at different IMD subdivisions (2019)

S.No.	Meteorological Sub Division	10 Apr (15)	17 Apr (16)	24 Apr (17)	01 May (18)	8 May (19)	15 May (20)
1	Andaman & Nicobar Islands	Green	Yellow	Yellow	Green	Green	Yellow
2	Arunachal Pradesh	Yellow	Yellow	Orange	Orange	Blue	Blue
3	Assam & Meghalaya	Green	Orange	Yellow	Blue	Blue	Green
4	Nagaland, Manipur, Mizoram, Tripura	Green	Yellow	Yellow	Yellow	Orange	Yellow
5	Sub-Himalayan West Bengal & Sikkim	Blue	Blue	Yellow	Orange	Green	Orange
6	Gangetic West Bengal	Blue	Green	Orange	Yellow	Blue	Orange
7	Orissa	Green	Orange	Blue	Yellow	Blue	Yellow
8	Jharkhand	Blue	Orange	Blue	Yellow	Blue	Orange
9	Bihar	Blue	Blue	Yellow	Orange	Blue	Yellow
10	East Uttar Pradesh	Blue	Green	Orange	Grey	Orange	Yellow
11	West Uttar Pradesh	Yellow	Blue	Blue	Yellow	Orange	Yellow
12	Uttarakhand	Blue	Orange	Blue	Orange	Green	Yellow
13	Haryana, Chandigarh & Delhi	Green	Blue	Blue	Yellow	Green	Green
14	Punjab	Orange	Blue	Blue	Orange	Yellow	Green
15	Himachal Pradesh	Yellow	Yellow	Green	Green	Yellow	Yellow
16	Jammu & Kashmir	Yellow	Orange	Green	Green	Orange	Orange
17	West Rajasthan	Yellow	Blue	Blue	Yellow	Grey	Blue
18	East Rajasthan	Green	Blue	Blue	Grey	Orange	Green
19	West Madhya Pradesh	Yellow	Blue	Blue	Grey	Yellow	Orange
20	East Madhya Pradesh	Yellow	Blue	Blue	Grey	Blue	Yellow
21	Gujarat Region	Grey	Blue	Grey	Grey	Grey	Yellow
22	Saurashtra, Kutch & Diu	Grey	Blue	Grey	Grey	Yellow	Grey
23	Konkan & Goa	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
24	Madhya Maharashtra	Yellow	Blue	Yellow	Yellow	Grey	Grey
25	Marathwada	Blue	Green	Yellow	Green	Yellow	Grey
26	Vidarbha	Yellow	Orange	Orange	Grey	Yellow	Yellow
27	Chhattisgarh	Green	Green	Blue	Yellow	Yellow	Yellow
28	Coastal Andhra Pradesh	Green	Orange	Blue	Yellow	Green	Yellow
29	Telangana	Orange	Green	Blue	Yellow	Yellow	Yellow
30	Royalaseema	Yellow	Yellow	Blue	Green	Yellow	Yellow
31	Tamil Nadu & Pondicherry	Yellow	Yellow	Blue	Yellow	Yellow	Orange
32	Coastal Karnataka	Blue	Orange	Orange	Green	Yellow	Yellow
33	North interior Karnataka	Blue	Green	Yellow	Orange	Grey	Yellow
34	South interior Karnataka	Green	Yellow	Blue	Green	Orange	Orange
35	Kerala	Yellow	Yellow	Blue	Orange	Yellow	Yellow
36	Lakshadweep	Grey	Grey	Grey	Blue	Grey	Grey

LEGEND:

L. Excess: (+60 % or more)	Blue
Excess: (+20 % to +59 %)	Light Blue
Normal: (+19 % to -19 %)	Green
Deficient: (-20 % to -59 %)	Orange
L. Deficient: (-60 % to -99 %)	Yellow
No Rain: (-100 %)	Grey
No Data:	White