

All India Coordinated Research Project on Agrometeorology

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Weekly Crop Weather Information during 20th to 26th August 2018

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

Maharashtra

Vidarbha region

Light rainfall received in Vidarbha during past week. Maximum temperature across the week was -3.2 °C below normal and the minimum temperature was -0.8 °C below normal. Agricultural operations like hoeing/weeding operations are underway in cotton, sorghum, pigeonpea and soybean. plant protection measures are being undertaken in cotton (sap sucking pest) and soybean (semilooper) crops. top dressing of n fertilizer is being carried out in late sown cotton. weeding/fertilization/manuring of established plantations are in progress. parthenium weed eradication drive is underway across the farmland are in progress. Dry sown cotton crop (23 MW) is at square formation/flowering stage and normal sown (26MW) cotton through true vegetative/square initiation phase. Earlier sown (24 MW) early soybean variety is at peak bloom stage. Sorghum/pigeon pea through vegetative phase. Green gram and black gram are at pod formation/pod development stage. Acid lime at harvest stage as per maturity of fruits. Light to moderate intensity of sucking pest, pink bollworm in cotton and girdle beetle/leaf eating caterpillar/stem fly in soybean crop was noticed.

Madhya Maharashtra region

Dry weather prevailed in Madhya Maharashtra region of Maharashtra state during this week. Agriculture operations like interculturing operations like hoeing in kharif crops are in progress. Soybean is at pod filling stage, sorghum is at panicle initiation stage, bajra, maize and pigeon pea are at development stage, green gram and black gram are in pod maturing stage. Low intensity of leaf eating caterpillar in kharif crops and vegetables was noticed.

Marathwada region

Light rainfall received in Marathwada region of Maharashtra state during this week. Maximum temperature was range from 24.5 to 30.5°C and the minimum temperature was ranges from 20.0 to 21.2°C. Agriculture operations like interculturing operations weeding, hoeing, spraying on cotton, pigeonpea and sorghum crops are in progress. Normal sown cotton is in flowering to boll development stage, soybean is in flowering to pod formation stage, sorghum is in boot stage, pigeon pea is in grand growth

stage, Moong and urd beans are harvesting stage, sugarcane is in development stage, maize is in tasseling to silking stage. Low intensity of sucking pest in cotton and girdle beetle, semilooper soybean was noticed.

Konkan region

Light rainfall received in Konkan region of Maharashtra state during this week. The maximum and minimum temperature ranged from 26.0 to 28.5°C and 22.5 to 23.0°C respectively. Agriculture operations like transplanting of rice in completed, application of second dose of fertilizer in rice and finger millet transplanting is in progress. Rice is in growth stage and finger millet transplant completed stage. Low intensity of army worm, case worm and blue beetle in rice crop was noticed.

Assam

Light rainfall received in Assam state during this week. Daily average maximum temperature was 34.3°C which was 2.0°C above normal and the average daily minimum temperature was 24.7°C which was 0.4°C above normal for the week. Agriculture operations like weeding and top dressing of urea for sali rice, land preparation and sowing of pulses are in progress. Sali rice is in tillering stage and vegetables are at vegetative/flowering/fruiting stage. No major pests and diseases were noticed.

Andhra Pradesh

Light rainfall received in Andhra Pradesh state during this week. The state as a whole received normal rainfall (2%) i.e. 31.5 mm against the normal rainfall of 30.9 mm. The total area sown in the state is 26.47 lakh ha (67%) as against the normal kharif sown area of 39.53 lakh ha and this accounts for 94% of normal sown area of 28.16 lakh ha as on 15.08.18. Agriculture operations like weeding, intercultivation, protective irrigation in groundnut, redgram, bajra, maize; plant protection in groundnut against leaf miner; maize against stem borer; sowing of castor, cowpea with pre sowing irrigation are in progress. Early sown crops like maize, groundnut, sesame, greengram, blackgram are at flowering and pod development stage. Cotton is at vegetative to flowering stage, sugarcane, mesta crops are at vegetative stage. Rice crop is at transplantation to tillering stage. Low intensity of leaf folder, BPH, stem borer, sheath blight in rice. stem borer, sheath blight in maize crop was noticed.

Chhattisgarh

Light rainfall received in Chhattisgarh state during this week. Chhattisgarh State received 862.0 mm rainfall against normal of 884.8 mm, (-3 %). The area (in thousand ha) sown under different crops as on 20/08/2018 are as under: total cereals 3987.51 (3903, 98%), total pulses 386.80 (259, 67%), total oilseeds 302.19 (217, 72%) and total kharif crops 4820.0 (4498, 93%). Agriculture operations like in broadcasting and direct seeded rice crop biasi is going on intensively where adequate standing water available and transplanting of

rice in irrigated situation. Weedicide spray in many of the districts and application of nitrogenous fertilizer at some locations in 25-day crop. Irrigation application and intercultural operations in kharif vegetables and cucurbitaceous crops. Need based application of insecticides in vegetables against aphids, thrips, fruit and pod borer and other pests. Kharif maize sowing in Northern Hill region and maize, minor millets in Bastar plateau ACZ. Inter culture operations are going on in soybean crop under rainfed situation are in progress. Rice in tillering stage and soybean is in branching stage. Sugarcane crop in inter-node elongation stage. Low intensity of fruit borer and white fly leaf curling in solanaceous vegetables crops was noticed.

Uttar Pradesh

West Uttar Pradesh

Light rainfall received in West Uttar Pradesh region of Uttar Pradesh state during this week. Maximum and minimum temperatures are near normal. Agriculture operations like gap filling, weeding and top dressing urea in paddy, top dressing urea and spray insecticide in maize, weeding and thinning in sorghum, pigeonpea, black gram, green gram, earthing and spray insecticide groundnut and plucking, marketing and transplanting of brinjal / chillies and leafy vegetable crops are in progress. Kharif rice is in tillering stage, maize is at vegetative to silking stage, sorghum is in vegetative stage, pigeonpea is at sowing to emergence stage, blackgram, greengram are at emergence/vegetative, groundnut is in vegetative stage, vegetables/ cucurbits are at flowering to fruiting stage. Low intensity of hispa/ leaf roller in paddy, shoot borer in maize and white grubs/ termite in groundnut crop was noticed.

Gujarat

Light rainfall received in Gujarat state during this week. The actual maximum temperature is 1.3°C and minimum temperature is 1.5°C lower as compared to normal values. Agriculture operations like weeding, interculturing, gap filling and thinning operations are in progress. top dressing of nitrogenous fertilizer are in progress. Vegetative stage of timely sown crops, early sown crops are in vegetative to reproductive stage and pearl millet is in flowering stage. No major pests and diseases were noticed.

Haryana

Light rainfall received in Haryana state during this week. Maximum and minimum temperatures were above normal. Agriculture operations like maintain the water level in rice field upto 5 to 6 cm, irrigation and intercultural operation in cotton/bajra/guar/arhar and thinning in late sown bajra crops are in progress. Cotton is at flowering/boll formation stage. Rice at panicle initiation/ flowering. Bajra at ear head emergence / flowering/ booting as per date of sowing. No major pests and diseases were noticed.

Himachal Pradesh

Moderate rainfall received in Himachal Pradesh state during this week. The maximum temperature during the week ranged between 24.5 to 27.5°C which was below normal by 0.4 to 1.5°C and minimum temperature ranged between 16.5 to 20.5°C which was above normal by 0.5 to 1.4°C during most of the week. Agricultural operation like hand weeding in maize and soybean crops, arrangement of fodder for their cattle and dairy animals are in progress. Rice is in tillering stage, maize is in knee high stage, vegetables are in picking stage, kharif vegetables are in seedling to vegetative stage and soybean is at leaf development stage. Low intensity of blast in rice crop was noticed.

Jharkhand

Light rainfall received in Jharkhand state during this week. Daily . Daily maximum and minimum temperature ranged from 28.4 to 31.2°C and 19.2 to 23.4°C, respectively. Weekly maximum and minimum temperature were 29.5 and 21.1 °C against its normal value of 28.9 and 25.4°C, respectively. Agricultural operation like hoeing in urd, moong, maize ground nut and arhar crops are in progress. Flowering in urd, moong, groundnut and soybean and vegetative stage of some kharif crops. No major pests and diseases were noticed.

Jammu & Kashmir

Light rainfall received in in Jammu region of Jammu & Kashmir state during this week. The maximum temperature remained normal and ranged from 33.8 to 35.6 °C .The minimum temperature remained variable and ranged from 21.5 to 28.4°C. Agricultural operation like application of 2nd dose of n as top dressing just before panicle initiation stage in early & normal transplanted paddy. Weed control measures in late transplanted paddy. Earthing up in late sowing maize, hoeing and weeding in maize, plant protection in pulse and maize crop. Application of 2nd top dressing of nitrogen fertilizer in maize crops are in progress. Peak vegetative stage in early transplanted rice/paddy. Jointing in normal transplanted paddy crop. Normal sown maize is at tassel emergence stage. Late sown maize is at peak vegetative stage. Moong is at initiation of flowering stage. Moderate intensity of sheath blight in basmati rice, hispa, leaf folder in paddy and stem borer in maize crop was noticed.

Madhya Pradesh

Light rainfall received in Madhya Pradesh state during this week. Agriculture operations like insect-pest infestation in soybean, moong, urd and pigeonpea crops, disease occurrence in vegetables, drainage channels formation to remove excess water from pulse crops and vegetables and bund formation to conserve water in the rice crops are in progress. Rice is in tillering stage. Soybean in pod formation stage and moong, urd, pigeonpea are in vegetative stage. Low intensity of caterpillar and whitefly in soybean and whitefly moong/urd crop was noticed.

Karnataka

North Karnataka

Light rainfall received in North Interior Karnataka during this week. Agriculture operations like plant protection in cotton, pigeon pea and ground nut, harvesting of green gram and sowing of sunflower (rabi) crops are in progress. Cotton is in flowering stage, pigeon pea is at vegetative stage, ground nut is in flowering stage and green gram is at maturity to harvesting stage. Low intensity of sucking pests in cotton/groundnut/pigeonpea, pod borer in green gram, downey mildew and anthracnose in grapes, sucking pests and bacterial blight in pomegranate and fruit borer, leaf curl in tomato was noticed.

South Karnataka

Light rainfall received in South Interior Karnataka during this week. State actual rainfall was 14.0 mm as against the normal of 20.0 mm with (-) 31% deviation. Agriculture operations like postpone the plant protection measure in next couple of days due to cloudy and drizzle rainfall weather, make use of farm pond water and this may be used for protective irrigation during the prevailing dry spell shortage of rainfall for sowing of kharif crops is noticed. Redgram, maize has been sown, intercultural operation in groundnut crop and residue mulch by using the residues of weeds, gliricidia and other green manure crops grown on the bunds, borders and along the drainage lines are in progress. Kharif crops are in early vegetative and vegetative stage. Low intensity of borer in maize crop was noticed.

Tamil Nadu

Dry weather prevailed in Tamil Nadu state during the week. The maximum temperature was 0.5°C above normal and the minimum temperature was 0.7 °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 nursery to harvest 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 bacterial leaf blight, stem borer in paddy, leaf webber, bud worm in jasmine, canker, scab in citrus, sucking pest in 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 33.0 to 35.0 °C and minimum temperature ranged between 26.0 to 28.6°C. Agricultural operations like irrigation in rice, sugarcane and sowing of maize fodder crops are in progress. Basmati rice at tillering stage, groundnut is

in needle formation stage and cotton is at boll formation stage. No major pests and diseases were noticed.

Rajasthan

Heavy to very heavy rainfall at many places of in Rajasthan state during this week. In the southern and southern-east parts of the state, on 23rd August. Gadola tank (Pratapgarh) received 201 mm, Pipalkhoont 171 mm, Jakham Dam 112 mm, Banswara 130 mm & Kota 105.8 mm rainfall was observed. The maximum temperature ranged from 27.0 to 29.5 °C with mean value of 28.6°C which is below normal by 0.25°C. The minimum temperature ranged from 21.6 to 23.6 °C with mean value of 22.0°C which is 0.2°C below normal value. Agricultural operations like Manual weeding in maize & soybean and plant protection measure followed wherever insect and disease are in progress. Kharif crops are on at flowering stage. No major pests and diseases were noticed.

Uttarakhand

Heavy rainfall received in Uttarakhand state during the week. Maximum temperature ranges from 27.0 to 29.5 °C with mean value of 28.6 °C which was above normal by 0.9°C. Minimum temperature ranges from 21.6 to 23.6 °C with mean of 22.4 °C which was below normal by 0.2 °C during this week. Agricultural operations like manual weeding in maize, soybean and plant protection measure followed wherever pests and disease are in progress. Soybean, maize, sorghum, pearl millet, greengram and cowpea are at flowering stage. No major pests and diseases were noticed.

West Bengal

Light rainfall received in West Bengal state during the week. Maximum temperature ranges from 32.0 to 34.0 °C and minimum temperature ranges 26.0 to 27.8 °C. Agricultural operations like transplanting is continuing in flood prone area for late sown Aman rice, kharif vegetables like brinjal, okra, tomato, chilli, seedbed management and transplanting in low land and intercultural operations in upland paddy crops are in progress. Kharif rice is in tillering stage, vegetables like; chilli, tomato, okra are at seedling stage and kharif rice is also at seedling stage. Low intensity of gundhi bug in rice crop was noticed.

Weather during 16th to 22nd August 2018

Significant Features:

- Last week's Depression moved west northwestwards across the central parts of the country and has weakened into a Well Marked Low Pressure area and lay over Southwest Madhya Pradesh and neighbourhood and under its influence, western parts of central India have experienced widespread intense rainfall activity in the beginning of the week.
- A Low Pressure area has formed over NorthWest Bay of Bengal and neighbourhood in the middle of the week which subsequently moved west northwestwards before it became less marked over northwest Madhya Pradesh and neighbourhood on 22nd August 2018. Under its influence, widespread very intense rainfall activity had been reported from parts of central India and adjoining peninsular India. The remnants of the above system has caused fairly widespread to widespread rainfall activity over parts northwest India also.
- The intensity of the rainfall activity over Kerala has significantly reduced during the week.

Monsoon Activity:

- Southwest monsoon had been vigorous over Kerala, Madhya Maharashtra, Marathwada, Gujarat Region, Saurashtra & Kutch, Telangana and West Madhya Pradesh on two days each and over Rayalaseema, Coastal Andhra Pradesh and Vidarbha on one day each during the week.
- It had been active over Vidarbha, Chhattisgarh, Telengana, Coastal and South Interior Karnataka on three days each; over East Rajasthan, Odisha, Marathwada and Gujarat Region on two days each and over West Madhya Pradesh, East Madhya Pradesh, Arunachal Pradesh, Kerala, Andaman & Nicobar, West Rajasthan, Gangetic West Bengal, Jharkhand, Konkan & Goa, North Interior Karnataka and Madhya Maharashtra on one day each during the week.

Heavy Rainfall Activity:

- Heavy to very heavy rain with extremely heavy falls had been reported over Telangana, Coastal & South Interior Karnataka on two days each and over Assam & Meghalaya Odisha, West Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh and Kerala on one day each during the week.
- Heavy to very heavy rain had been reported over Madhya Maharashtra on four days; over Telangana, Vidarbha, Marathwada and Gujarat Region on three days each; over Konkan & Goa and South Interior Karnataka on two days each and over West Uttar Pradesh, Punjab, Himachal Pradesh, East Rajasthan, Arunachal Pradesh, Odisha, Chattisgarh, West Madhya Pradesh Tamilnadu and Kerala on one day each during the week.

Temperature:

- The highest maximum temperature of 40.40C had been recorded at Jaisalmer (West Rajasthan) on 17th August 2018, over the plains of the country during the week.

Meteorological Analysis

- The axis of monsoon trough at mean sea level passed through Bikaner, Kota, Guna, Seoni, centre of the depression over south Chhattisgarh and adjoining Vidarbha, Gopalpur and thence east-south eastwards to north Andaman Sea on 16th August 2018. It passed through Jaisalmer, Deesa, centre of Well Marked Low Pressure Area over southwest Madhya Pradesh & neighbourhood, Akola, Rajnandgaon, Jharsuguda, Chandbali and thence east southeastwards to Northeast Bay of Bengal on 17th; passed through Ajmer, Shivpuri, Umaria, Pendra, Daltonganj, Jamshedpur, Digha and thence east southeastwards to Northeast Bay of Bengal on 18th; passed through Ferozepur, Rohtak, Etawah, Fursatganj, Daltonganj, Jamshedpur, centre of low pressure area over Northwest Bay of Bengal & neighbourhood and thence east southeastwards to Northeast Bay of Bengal on 19th; passed through, Amritsar, Karnal, Bareilly, Fursatgunj, Daltonganj, Jamshedpur, centre of low pressure area over Northwest Bay of Bengal & adjoining West Bengal & north coastal Odisha and thence east southeastwards to Northeast Bay of Bengal on 20th; passed through Anupgarh, Alwar, centre of the Low Pressure Area over central parts of North Madhya Pradesh & neighbourhood, Pendra, Jharsuguda, Chandbali and thence southeastwards to Northeast Bay of Bengal on 21st and passed through Ganganagar, Narnaul, Gwalior, Orai, Mirzapur, Nawada, Purulia, Canning and thence southeastwards to Northeast Bay of Bengal on 22nd August 2018.
- Last week's the Depression over South Chhattisgarh & adjoining Odisha moved westwards and lay at 0830 hrs IST of 16th August, 2018 over south Chhattisgarh and adjoining Vidarbha near Lat. 20.5°N and Long. 81.0°E, about 120 Km east southeast of Bramhapuri (Vidarbha). It weakened into a Well Marked Low Pressure Area and lay over southwest Madhya Pradesh & neighbourhood with the associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwards with height on 17th. The Low Pressure Area along with the associated cyclonic circulation has become less marked on 18th August 2018.
- The trough from the cyclonic circulation associated with the Depression over south Chhattisgarh and adjoining Vidarbha lay extending upto south Gujarat across north Maharashtra between 3.1 and 5.8 km above mean sea level in the morning of 16th August 2018 and it has become less marked in the night of 16th August 2018.
- Last week's feeble off shore trough at mean sea level lay off Karnataka-north Kerala coasts on 16th & 17th August 2018. It ran from Karnataka coast to south Kerala coast on 18th and has become less marked on 19th August 2018.

- Last week's cyclonic circulation over East Uttar Pradesh at 3.1 km above mean sea level has become less marked on 16th August 2018.
- Last week's cyclonic circulation between 3.1 and 5.8 km above mean sea level over northern parts of Punjab & neighbourhood has become less marked on 16th August 2018.
- A cyclonic circulation lay over northeast Afghanistan & neighbourhood between 3.1 & 5.8 km above mean sea level on 16th August 2018. It persisted over the same region and was seen at 5.8 km above mean sea level with a trough aloft roughly along Long. 68° E to the north of Lat. 28° N on 17th & 18th ; The cyclonic circulation lay over Jammu & Kashmir and neighbourhood at 5.8 km above mean sea level, however, the trough aloft roughly along Long. 68° E and north of Lat. 28° N has become less marked on 19th. The cyclonic circulation over Jammu & Kashmir and neighbourhood at 5.8 km above mean sea level has become less marked on 20th August 2018.
- An East-west shear zone between 3.1 and 7.6 km above mean sea level tilting southwards with height ran roughly along latitude 20°N across central India on 17th August 2018; It ran roughly along latitude 21°N across central India between 3.1 and 7.6 km above mean sea level tilting southwards with height on 18th; It was seen between 3.1 and 5.8 km above mean sea level tilting southwards with height, roughly along latitude 20°N across central India on 19th; It persisted along latitude 20°N , between 3.6 and 5.8 km above mean sea level tilting southwards with height across central India on 20th and between 4.5 and 5.8 km above mean sea level tilting southwards with height across central India on 21st. the shear zone has become less marked on 22nd August 2018.
- A cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height lay over Northwest Bay of Bengal off West Bengal- Odisha coasts on 18th August 2018. Under its influence, a Low Pressure area has formed over NorthWest Bay of Bengal & neighbourhood with the associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height on 19th; The Low Pressure area lay over Northwest Bay of Bengal and adjoining West Bengal & north coastal Odisha on 20th with the associated cyclonic circulation extending upto 7.6 km above sea level, tilting southwestwards with height. It lay over central parts of North Madhya Pradesh and neighbourhood with the associated cyclonic circulation extending upto 7.6 km above sea level tilting southwestwards with height on 21st. The Low Pressure area has become less marked however, its remnants cyclonic circulation lay over northern parts of central Madhya Pradesh & neighbourhood and extended upto 4.5 km above mean sea level on 22nd August 2018.
- A cyclonic circulation lay over south Haryana & neighbourhood at 0.9 km above mean sea level on 19th August 2018 and it has become less marked on 20th.

- A cyclonic circulation lay over North Interior Karnataka & neighbourhood at 7.6 km above mean sea level on 19th August 2018 and it has become less marked on 20th August 2018.
- A cyclonic circulation lay over Southeast Arabian Sea off Kerala coast at 7.6 km above mean sea level on 19th and it persisted over the same region on 20th and 21st August 2018 and it has become less marked on 22nd August 2018.
- A cyclonic circulation lay over north Haryana and neighbourhood at 1.5 km above mean sea level on 20th August 2018; it lay over west Haryana & neighbourhood and extended upto at 1.5 km above mean sea level on 21st. It lay over Punjab & neighbourhood at 1.5 km above mean sea level on 22nd.
- A cyclonic circulation lay over south Gujarat Region and neighbourhood at 3.1 km above mean sea level on 20th August 2018 and it has become less marked on 21st August 2018.
- A cyclonic circulation lay over central parts of Jammu & Kashmir at 3.1 km above mean sea level on 21st August 2018. It lay over east Jammu & Kashmir and neighbourhood at 3.1 km above mean sea level on 22nd August 2018.
- A cyclonic circulation at 7.6 km above mean sea level lay over Northwest Bay of Bengal and neighbourhood on 22nd August 2018.
- A cyclonic circulation between 5.8 km & 7.6 km above mean sea level lay over Saurashtra & neighbourhood with a trough from this system running to north Chhattisgarh across Madhya Pradesh on 22nd August 2018.
- A cyclonic circulation lay over east Bihar & neighbourhood and extended upto 3.1 km above mean sea level on 22nd August 2018.

Average rainfall during the week

The All India area weighted rainfall during the week 71.8 mm was 24% Above normal (58.1 mm).

The subdivision-wise weekly rainfall distribution is presented in Fig.1. Rainfall was Large excess in 9, excess in 7, normal in 3, deficit in 13, Large deficit in 4 and no rain in 0 out of 36 meteorological sub-divisions.

Cumulative Seasonal rainfall (1st June to 22nd August 2018)

The cumulative seasonal rainfall during 1st June to 22nd August 2018 over the country as a whole was 605.0 mm which is 7% below normal rainfall of 647.3 mm.

The subdivision-wise seasonal rainfall distribution is presented in Fig. 2. Rainfall was Large excess in 0, excess in 2, normal in 23, deficit in 11 and L. deficit in 0 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 22nd August 2018)

In the country, 3% districts received large excess, 15% districts received excess and 43% districts normal rainfall during monsoon season so far. However, 37% districts received deficient, 2% 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 9 Sub-divisions viz.; Saurashtra & Kutch, Gujarat region, West Madhya Pradesh, Vidarbha, Madhya Maharashtra, Marathwada, Telangana, Coastal Andhra Pradesh and Kerala received large excess rainfall, 7 Sub-divisions viz.; West Rajasthan, East Rajasthan, Chhattisgarh, Odisha, Konkan & Goa, Coastal Karnataka and South Interior Karnataka received excess rainfall, 3 Sub-divisions viz.; Nagaland, Manipur, Mizoram & Tripura, North Interior Karnataka and Lakshadweep received normal rainfall and remaining 17 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
16.08.2018 TO 22.08.2018

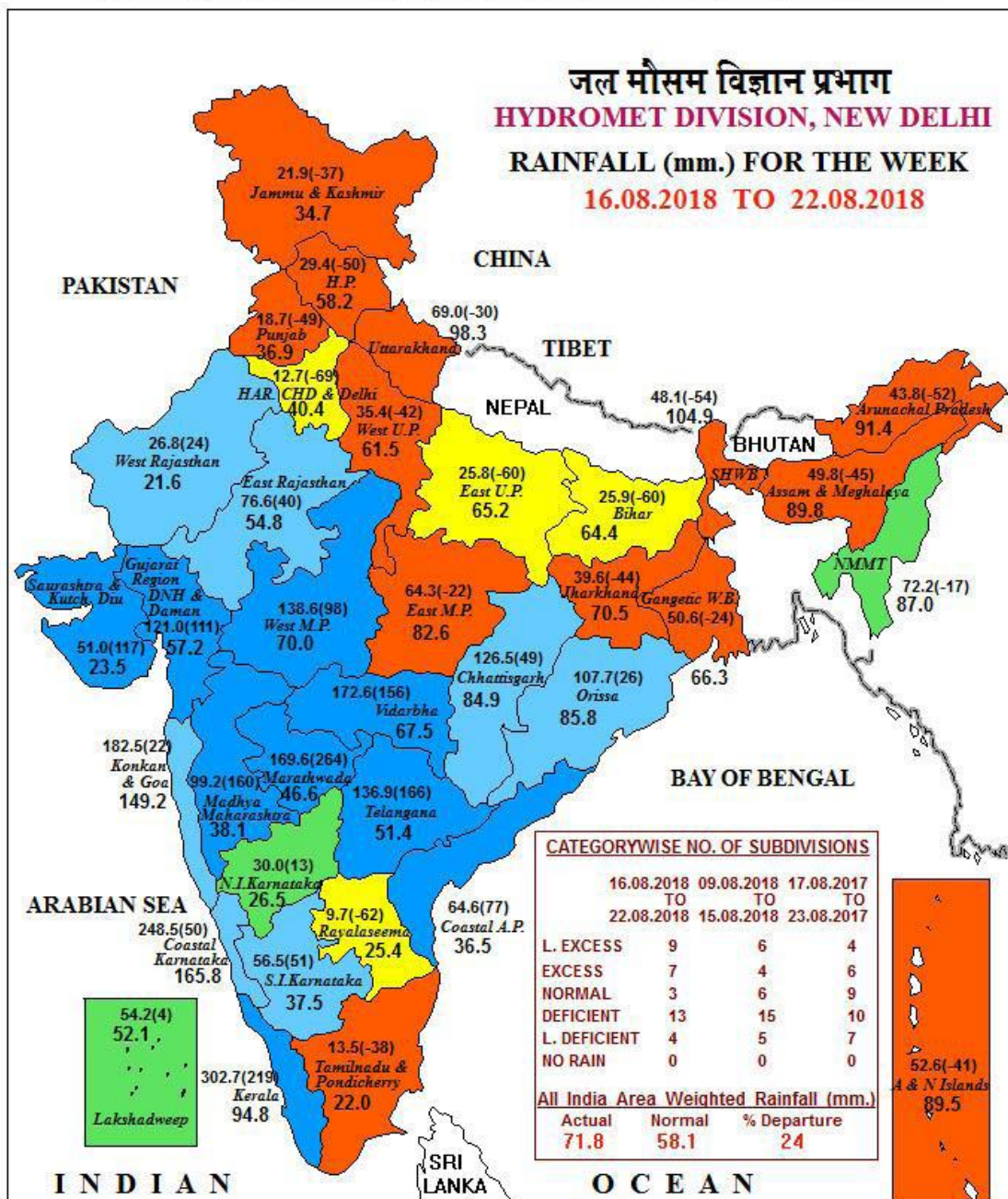
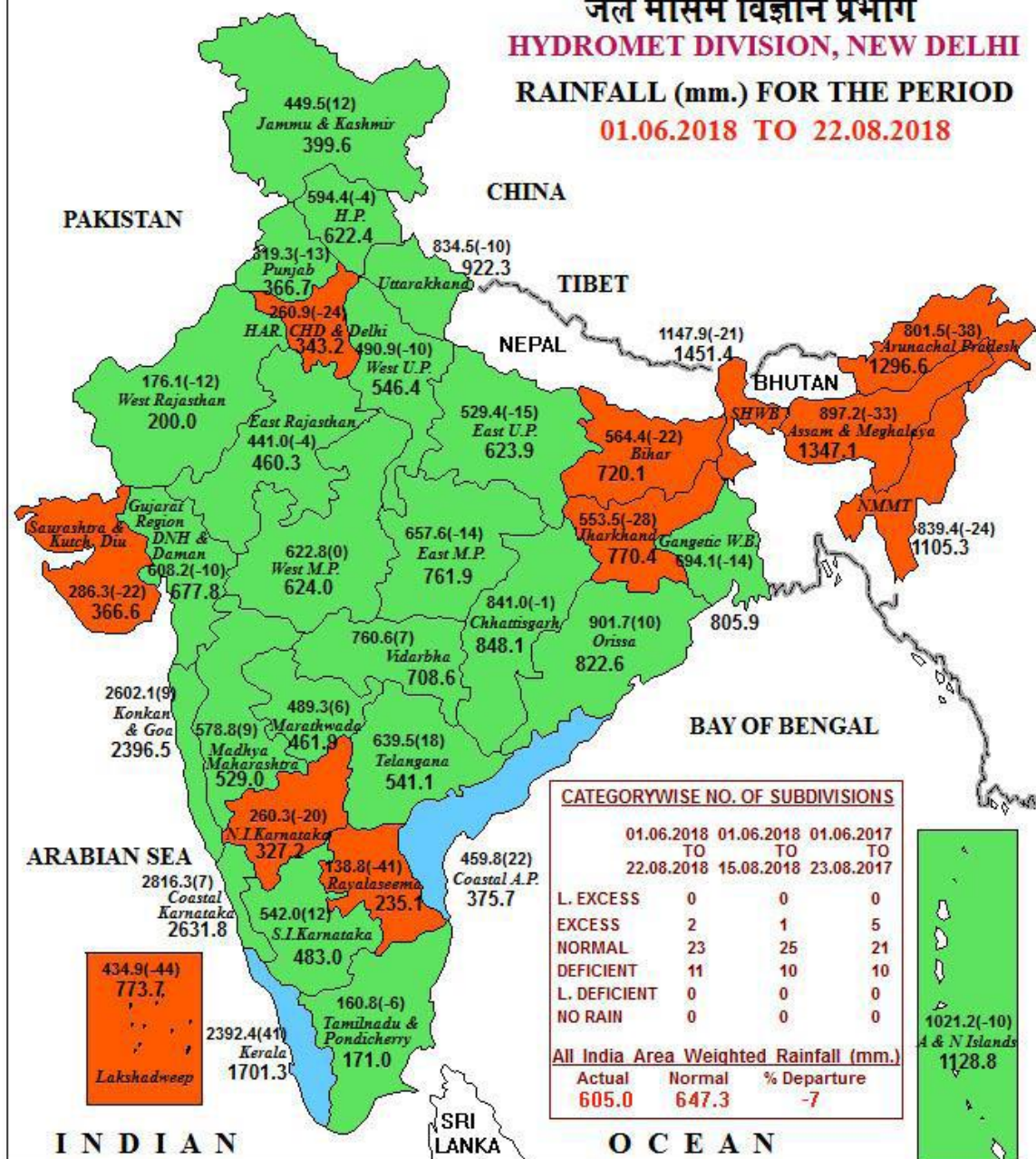


Fig-1

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI
RAINFALL (mm.) FOR THE PERIOD
01.06.2018 TO 22.08.2018



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 22.08.2018)

S.NO.	STATES	PERIOD FROM : 01.06.2018 TO 22.08.2018							
		LE	E	N	D	LD	NR	ND	TOTAL
1.	A & N ISLAND (UT)	0	0	2	1	0	0	0	3
2.	ARUNACHAL PRADESH	1	0	2	8	2	0	3	16
3.	ASSAM	0	0	8	17	1	0	1	27
4.	MEGHALAYA	0	0	2	4	0	0	1	7
5.	NAGALAND	0	2	1	3	1	0	4	11
6.	MANIPUR	0	0	1	2	2	0	4	9
7.	MIZORAM	0	3	1	1	0	0	4	9
8.	TRIPURA	0	0	2	2	0	0	0	4
9.	SIKKIM	0	1	3	0	0	0	0	4
10.	WEST BENGAL	0	0	9	10	0	0	0	19
11.	ODISHA	1	6	22	1	0	0	0	30
12.	JHARKHAND	0	1	5	17	1	0	0	24
13.	BIHAR	0	2	10	26	0	0	0	38
14.	UTTAR PRADESH	0	12	26	30	4	0	0	72
15.	UTTARAKHAND	1	1	6	5	0	0	0	13
16.	HARYANA	0	1	7	13	0	0	0	21
17.	CHANDIGARH (UT)	0	0	1	0	0	0	0	1
18.	DELHI	0	0	4	5	0	0	0	9
19.	PUNJAB	0	2	12	5	1	0	0	20
20.	HIMACHAL PRADESH	0	1	8	3	0	0	0	12
21.	JAMMU & KASHMIR	3	7	7	2	0	0	3	22
22.	RAJASTHAN	0	6	17	10	0	0	0	33
23.	MADHYA PRADESH	0	5	37	9	0	0	0	51
24.	GUJARAT	1	6	10	15	1	0	0	33
25.	DADRA & NAGAR HAVELI (UT)	0	0	1	0	0	0	0	1
26.	DAMAN & DIU (UT)	1	0	1	0	0	0	0	2
27.	GOA	0	0	2	0	0	0	0	2
28.	MAHARASHTRA	0	8	26	2	0	0	0	36
29.	CHHATISGARH	2	3	16	6	0	0	0	27
30.	ANDHRA PRADESH	1	4	2	6	0	0	0	13
31.	TELANGANA	0	11	14	6	0	0	0	31
32.	TAMILNADU	3	2	5	21	1	0	0	32
33.	PUDUCHERRY (UT)	0	0	0	2	0	0	2	4
34.	KARNATAKA	1	3	11	14	1	0	0	30
35.	KERALA	2	9	3	0	0	0	0	14
36.	LAKSHADWEEP (UT)	0	0	0	1	0	0	0	1
TOTAL		17	96	284	247	15	0	22	681
CATEGORYWISE DISTRIBUTION OF DISTRICTS OUT OF THE 659 WHOSE DATA RECEIVED		3%	15%	43%	37%	2%	0%		

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

S.No.	Meteorological Sub Division	04 Jul (27)	11 Jul (28)	18 Jul (29)	25 Jul (30)	01 Aug (31)	8 Aug (32)	15 Aug (33)	22 Aug (34)
1	Andaman & Nicobar Islands								
2	Arunachal Pradesh								
3	Assam & Meghalaya								
4	Nagaland, Manipur, Mizoram, Tripura								
5	Sub-Himalayan West Bengal & Sikkim								
6	Gangetic West Bengal								
7	Orissa								
8	Jharkhand								
9	Bihar								
10	East Uttar Pradesh								
11	West Uttar Pradesh								
12	Uttarakhand								
13	Haryana, Chandigarh & Delhi								
14	Punjab								
15	Himachal Pradesh								
16	Jammu & Kashmir								
17	West Rajasthan								
18	East Rajasthan								
19	West Madhya Pradesh								
20	East Madhya Pradesh								
21	Gujarat Region								
22	Saurashtra, Kutch & Diu								
23	Konkan & Goa								
24	Madhya Maharashtra								
25	Marathwada								
26	Vidarbha								
27	Chhattisgarh								
28	Coastal Andhra Pradesh								
29	Telangana								
30	Rayalaseema								
31	Tamil Nadu & Pondicherry								
32	Coastal Karnataka								
33	North interior Karnataka								
34	South interior Karnataka								
35	Kerala								
36	Lakshadweep								

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:	