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Kharif Crop Outlook 2019/20

COTTON
SOYBEAN
PADDY
PULSES

VOLUME 2

AUGUST 2019

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SOYBEAN
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CONTENTS

Good rains in late July and early August facilitated the sowing operations of Kharif crops across the country.

1

EXECUTIVE SUMMARY

After a delayed onset and scanty June, the month of July started well in terms of rainfall across the country. The Southwest Monsoon was very active in Central, East and Northeast India during the first ten days of the month. And every day there was a drop of about 2-3 per cent in the countrywide rainfall deficiency.

If we look at the rainfall data available with us from June 1 to August 14, there was 582 mm of rain in the country against the normal of 578 mm , which means that the cumulative rainfall in the country stands at a surplus of 1%, a sharp contrast to the 33% deficiency that was threatening the country till June 30. This is clearly an outcome of some good rains in July and in the first fortnight of August.

Excess rains in July also caused flood-like situation in many pockets of the country. The worst hit states were Assam, Bihar, Uttar Pradesh and Punjab. In Assam, approximately 7,82,051 hectares of agricultural land seemed to be under high soil moisture regime. In Bihar, approximately 12,91,680 hectares of agricultural land was affected, in Uttar Pradesh, 84,161 hectares of agricultural land and in Punjab, 15,438 hectares of agricultural land area was affected.

In August, another week of active Monsoon conditions were observed in the country, during which good rainfall was experienced over most regions like Central, East and North India. Central India was the

Excess rains in July also caused flood-like situation in many pockets of the country.

August also saw active rainfall over Central, East and North India

chief beneficiary during this period, receiving the maximum amount of rainfall. Several places like Vadodara, Surat, Pune, Nashik and Mumbai observed over 100 mm of rain on a few occasions. Heavy rains were also recorded in Katara, Una and Kapurthala in North India. Heavy rains caused massive flooding in Maharashtra, Madhya Pradesh and Gujarat. The situation was particularly serious in parts of Maharashtra like Sangli, Nagpur, Kolhapur, Akola and Mahabaleshwar.

Good rains in late July and early August facilitated the sowing operations of kharif crops across the country and helped to cover the lag that insufficient rains had created in the first half of the Monsoon

season. Most of the Kharif crops such as Soybean, Paddy and Pulses were sown late even in the key producing states. Sowing of certain crops is still going on in a few states after good rainfall was recorded in the first fortnight of August. Missed sowing window leads to potential losses in yields specially in the case of Soybean and Pulses whose sowing window already closes by mid - July.

In this report, we have deeply analyzed the impact of actual rainfall recorded between June 1 to August 15 and delineated the forecast for the critical period of the crops that is the second fortnight of August and September. We have also anticipated the changes that could possibly occur on the productivity and production side.

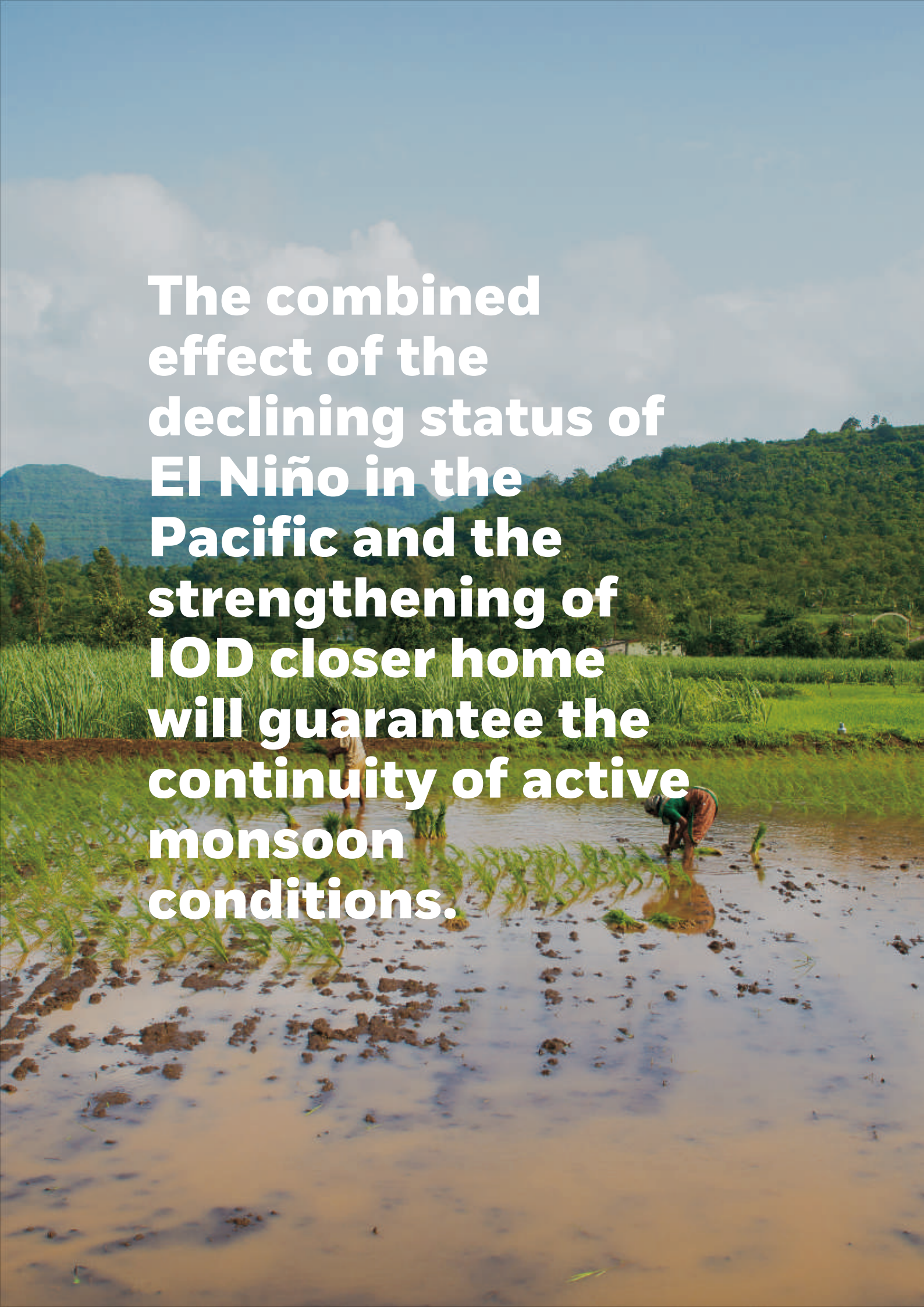
Through the analysis, we have arrived at the outcome which indicates that cotton production in the country will increase by 14% to 34.21 million bales in 2019-20 from 30.08 million bales previous year due to improved yields.

Soybean production in the upcoming Kharif season is likely to fall by around 12.5% to 11.99 million tons, compared to 13.69 million tons previous season. Excess rains in few districts of Madhya Pradesh and Maharashtra is expected to impact the yields adversely.

Rice production is also likely to go down in the upcoming Kharif season to 88.66 million tons. It might register a fall of 13% compared to the 101.96 million tons produced a year ago. The monsoon vagaries are expected to affect the yield primarily in the rainfed areas.

Kharif Pulses production is also likely to go down by 0.5% to 8.53 million tons compared to 8.59 million tons previous season. Late sowing of Pulses and slight reduction in area is expected to bring down the pulses production in the country.

Cotton production will increase by 14%; Soybean, Paddy and Pulses production is expected to fall by 12.5%, 13% and 0.5% respectively.



The combined effect of the declining status of El Niño in the Pacific and the strengthening of IOD closer home will guarantee the continuity of active monsoon conditions.

2

WEATHER OUTLOOK

Monsoon Performance: 1st June to 15th August 2019

The southwest monsoon has roared back after an alarmingly weak start in June and delivered above normal rainfall on most days this month, which gave Mumbai one of the wettest months of July on record, substantially reducing the seasonal rainfall deficit and facilitating crop planting.

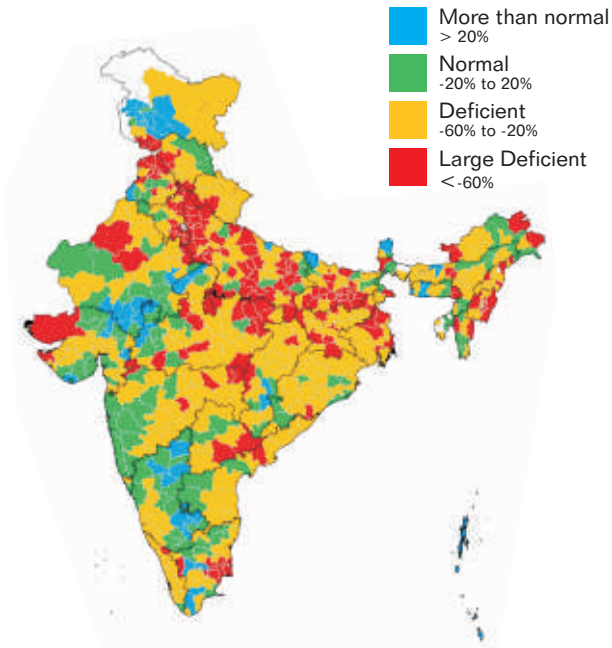
The month of July started on a rainy note and ended similarly. It has been a roller coaster ride in July, with monsoon rains waxing and waning up to extremes. July had a daunting target of 33% deficient countrywide cumulative rainfall in the beginning. However, Monsoon picked up pace, bringing drastic improvement in the countrywide deficiency.

A contrasting situation is being observed in Maharashtra. On one hand, where more than 2 lakh people have been evacuated and taken to safer places due to the recent floods. On the other, cloud-seeding is being practiced in the parched region of Marathwada, wherein almost all the dams are holding zero water currently.

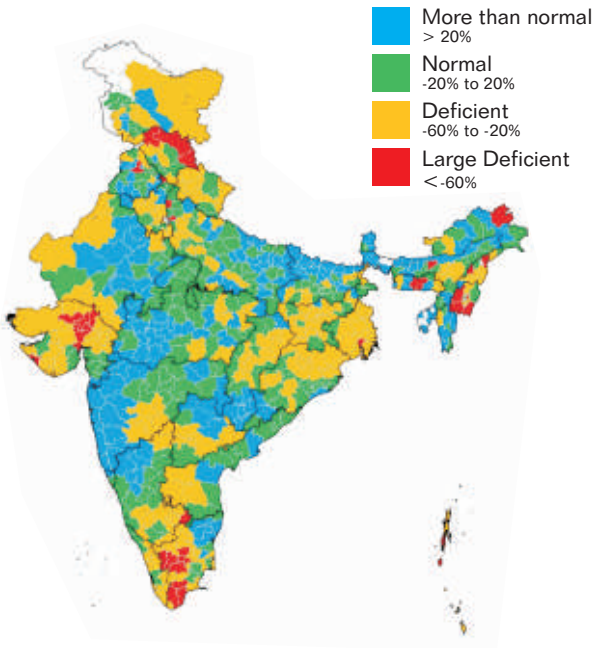
August also started on a rainy note. Excess rainfall was recorded over central India. Heavy rains lashed the central as well as the western part of the country. In August, another week of active Monsoon conditions prevailed over the country, during which good rainfall was observed over most regions like Central, East and North India. Central India was the region that observed the maximum amounts of rain during this period. Several places like Vadodara, Surat, Pune, Nashik and Mumbai observed over 100 mm of rain on a few occasions. Heavy rains were also recorded in Katara, Una and Kapurthala in North India.

Heavy rains caused massive flooding in Maharashtra, Madhya Pradesh and Gujarat. The situation was particularly serious in parts of Maharashtra like Sangli, Nagpur, Kolhapur, Akola and Mahabaleshwar.

Though previously the weather models were pointing towards a prolonged dry spell in the latter half of August, the current situation hints at a radically different scenario. The numerical model projections now are at variance from the recent past indicators. Fluctuations in the sea surface temperature in the Pacific Ocean are in favour of ENSO neutral



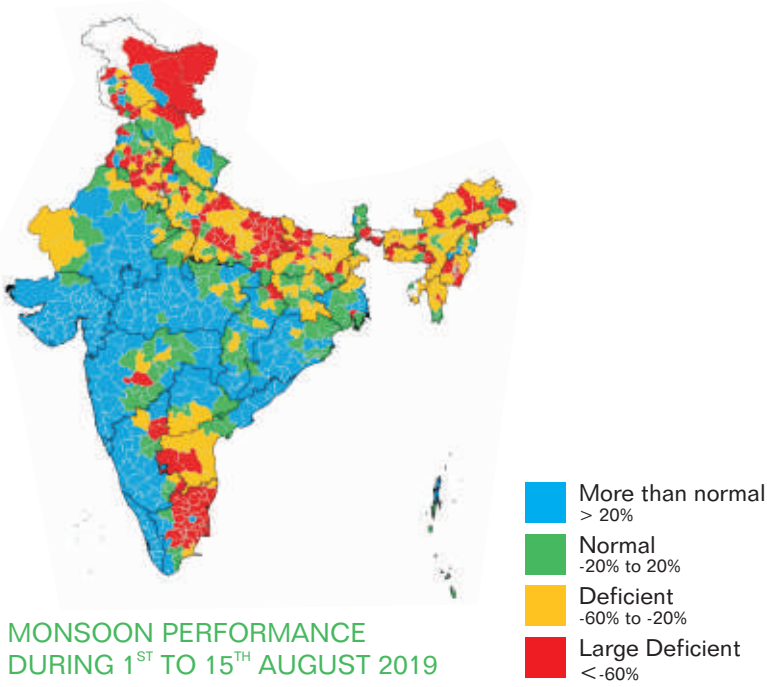
JUNE -MONSOON RAINFALL DEPARTURE (%)



JULY -MONSOON RAINFALL DEPARTURE (%)

conditions. On the other hand, IOD continues to retain its stronghold in the Indian Ocean. The combined effect of the declining status of El Niño in the Pacific and the strengthening of IOD closer home will guarantee the continuity of active monsoon conditions.

Central, East and North India are likely to be the chief beneficiaries of the active monsoon conditions. While parts of the country will experience heavy rains, moderate showers are

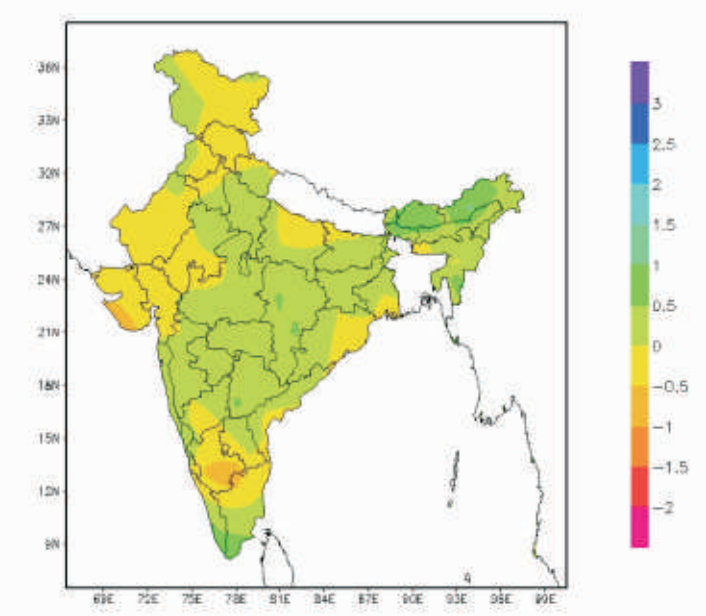


MONSOON PERFORMANCE DURING 1ST TO 15TH AUGUST 2019

expected over a widespread area in these states. In this week, fairly widespread rains are expected in Odisha,

West Bengal, Jharkhand, Madhya Pradesh, Chattisgarh and Uttar Pradesh. However, the possibility of heavy rains cannot be ruled out in certain pockets of Haryana, Punjab, Rajasthan, Saurashtra & Kutch and Northern Hills will witness the least amount of monsoon activity. Scattered rains are expected in some parts of the Southern Peninsula- Tamil Nadu, Rayalaseema and South Interior Karnataka. Moderate to light rains will continue in Kerala.

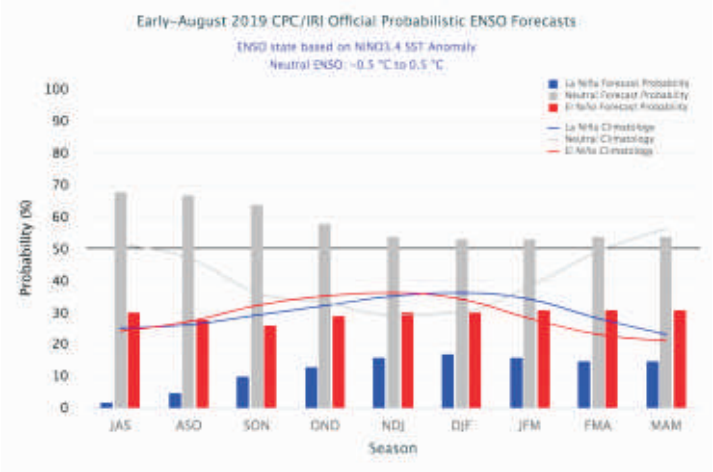
The forecast for the last month of the Monsoon season i.e. September shows near normal rainfall over the country especially over the South Peninsula India.



RAINFALL ANOMALY FORECAST FOR SEPTEMBER

El-Niño and Southern Oscillation (ENSO)

The El Niño–Southern Oscillation (ENSO) is currently present (as per CPC NOAA). While the possibility of El Niño can't be completely ruled out for 2019, the tropical Pacific Ocean is expected to remain in an ENSO-neutral phase over the coming months. A transition from El Niño to ENSO-neutral is expected in the next month or two, with ENSO-neutral most likely to continue through the Northern Hemisphere winter.



DATA SOURCE: IRI, COLUMBIA

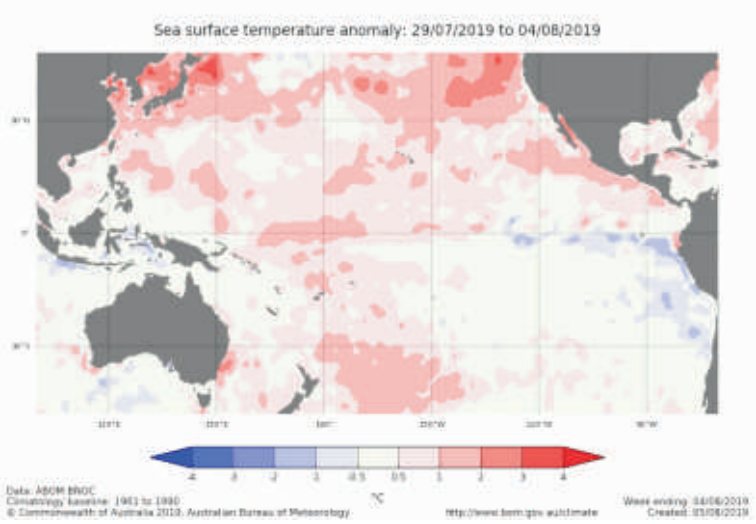
Most indicators of ENSO are neutral. Tropical Pacific sea surface and sub-surface temperatures remain slightly warmer than average, but in the neutral range.

Indian Ocean Dipole

The Indian Ocean Dipole (IOD) index has fluctuated around positive IOD thresholds in recent weeks, but the overall pattern of sea surface temperatures has remained positive IOD-like, with warmer than average sea surface temperatures in the central and western tropical Indian Ocean, and an average to cooler than average waters in the tropical eastern Indian Ocean, to the northwest of Australia. The latest weekly index value to 4 August is +0.51 °C, with two of the last three weeks exceeding positive IOD thresholds.

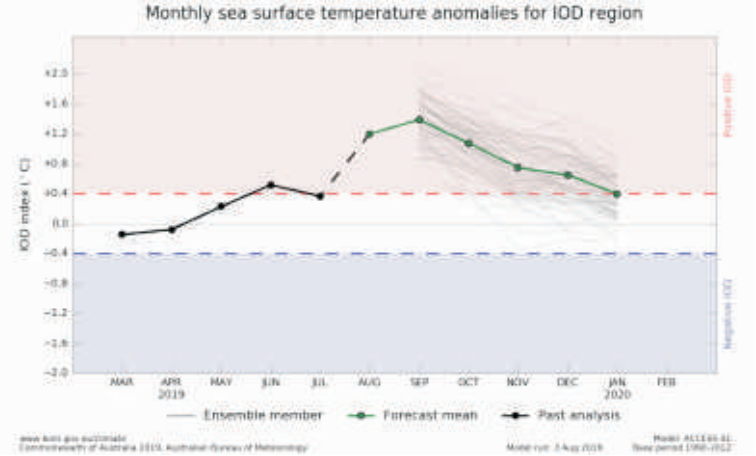
Madden-Julian-Oscillation (MJO)

After briefly strengthening over the Maritime Continent, the



DATA SOURCE: BOM, AUSTRALIA

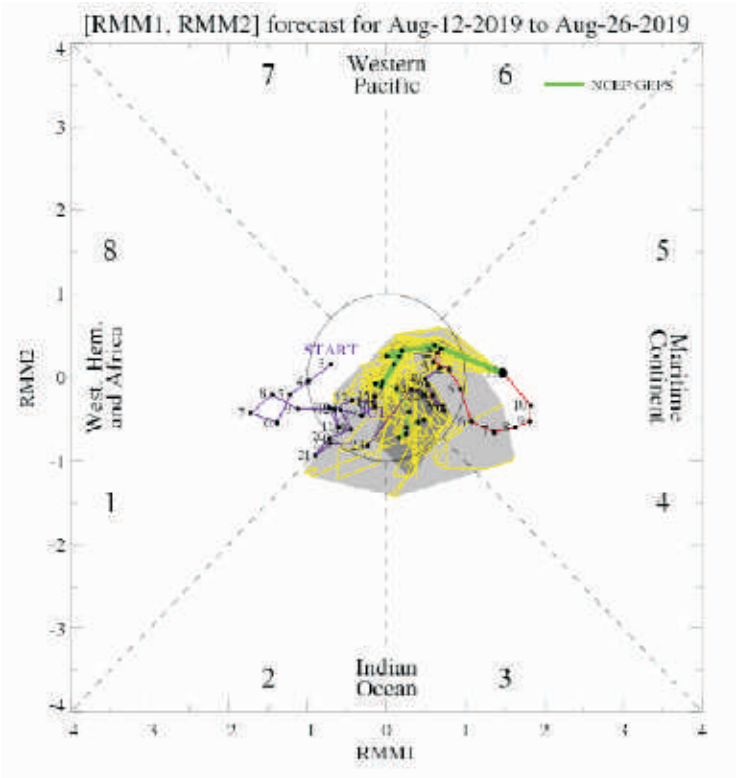
Madden–Julian Oscillation (MJO) has started to weaken at the end of last week. Models generally agree the MJO will remain indiscernible in the coming week. At this time of the year, this would typically mean a return to near-average rainfall across the northern Maritime Continent and South-East Asia. The MJO, in combination with an active monsoon



DATA SOURCE: BOM, AUSTRALIA

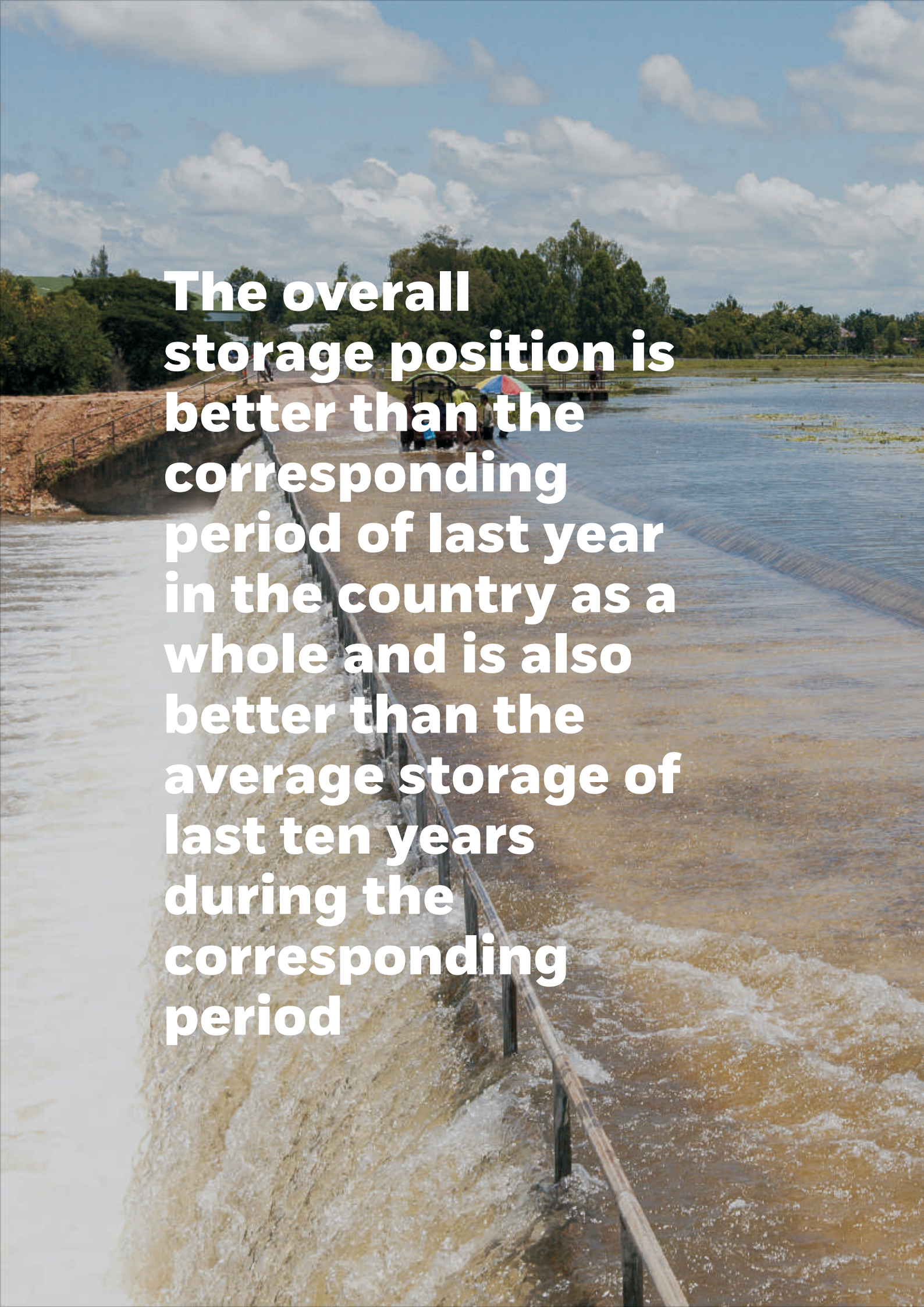
trough extending from India to the western North Pacific Ocean, contributed to last week's very active tropical weather across the region. Vigorous monsoonal flow continued over the Indian subcontinent, bringing further heavy rain and flooding to much of the west coast as well as much of the northern half of India and Bangladesh.

The GEFS forecast suggests some reemergence of the MJO signal during Week-2, but generally favors a weak MJO outlook. Few ensemble members show robust eastward propagation of the signal.



DATA SOURCE: CPC, NOAA

The MJO, in combination with an active monsoon trough extending from India to the Western North Pacific Ocean, contributed to very active tropical weather across the region.



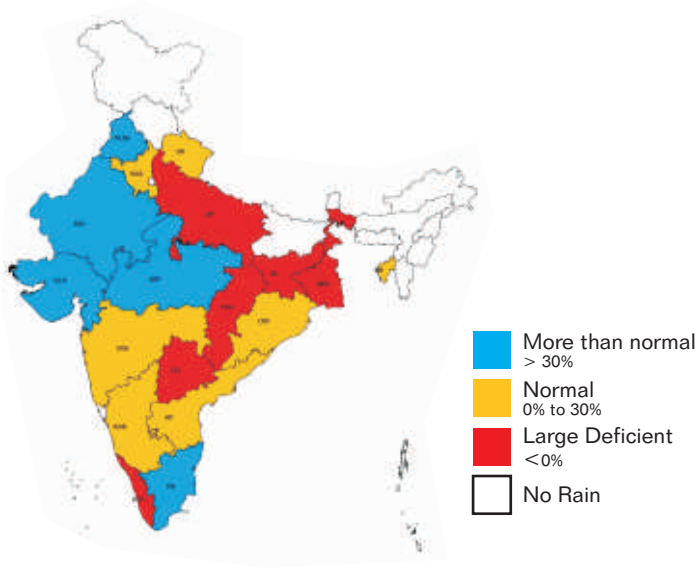
The overall storage position is better than the corresponding period of last year in the country as a whole and is also better than the average storage of last ten years during the corresponding period

3

DAM WATER LEVEL STATUS

Central Water Commission is monitoring the live storage status of 107 reservoirs in the country on a weekly basis and issues a weekly bulletin every Thursday. The total live storage capacity of these 107 reservoirs is 166.17 BCM which is about 64.45% of the live storage capacity of 257.812 BCM which is estimated to have been created in the country. As per the reservoir storage bulletin dated 22.08.2019, live storage available in these reservoirs is 121.865 BCM, which is 73% of total live storage capacity of these reservoirs. But last year the live storage available in these reservoirs for the corresponding period was 101.045 BCM and the average of last 10 years live storage was 96.053 BCM. Thus, the live storage available in 107 reservoirs as per 22.08.2019 Bulletin is 121% of the live storage of corresponding period of last year and 127% of storage of average of last ten years.

The overall storage position is better than the corresponding period of last year in the country as a whole and is also better than the average storage of last ten years during the corresponding period.



STATES WISE DEPARTURE FROM NORMAL STORAGE

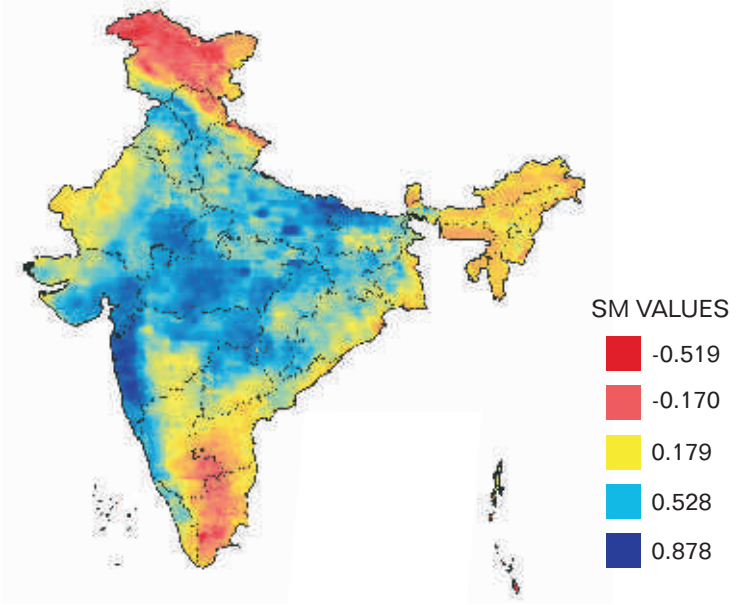
Central Water Commission is monitoring the live storage status of 107 reservoirs in the country

4

SOIL MOISTURE ASSESSMENT

This is a comparative soil moisture change map between 5th June (low soil moisture date) and 6th August (high soil moisture date) expressed in percentage terms. It can be observed that the last category of 65% and above is seen over western Ghats, western Maharashtra (Kolhapur-Sangli region) Vadodara and southwards region, eastern Rajasthan, central Madhya Pradesh, Eastern Rajasthan and adjoining areas of Madhya Pradesh and Eastern Maharashtra. Though Assam and most of Bihar seems to have recovered from initial inundation condition in mid - July as they now show low soil moisture, but northern parts on either side of UP-Bihar border still show very high soil moisture.

Tamil Nadu, Andhra Pradesh, eastern Telangana, Marathwada and most of Karnataka (except coastal areas) are still running dry.



COMPARATIVE SOIL MOISTURE ASSESSMENT FOR VISUALIZATION OF FLOOD IMPACTED AREAS

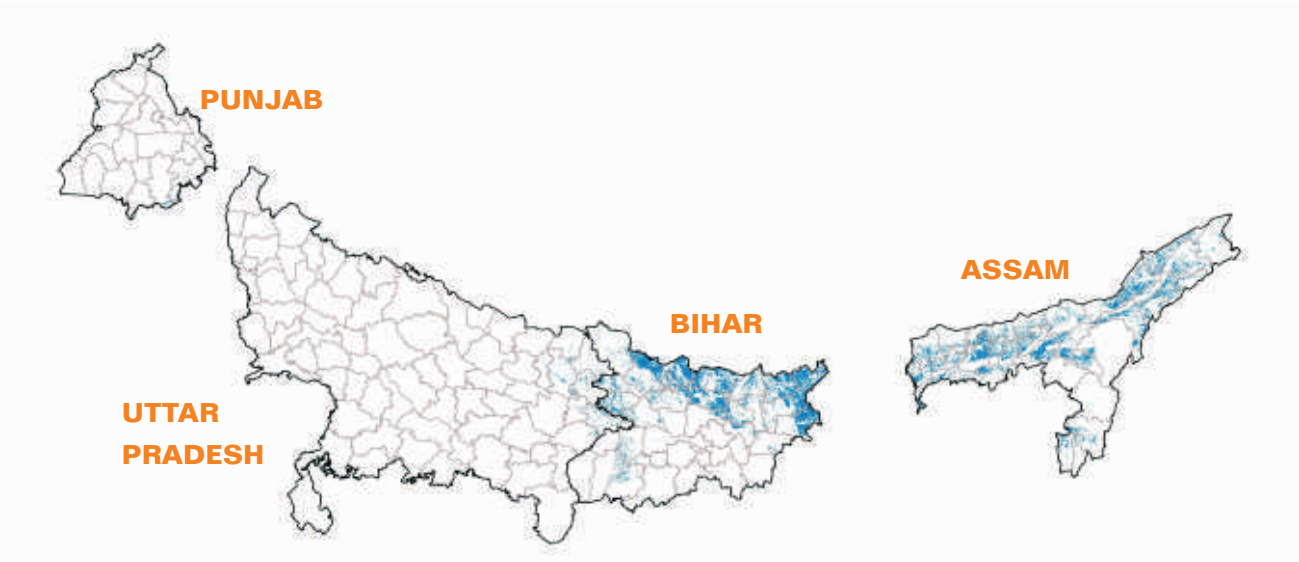
Central India, Western Ghats, Northern parts of UP & Bihar show high soil moisture due to floods

5 INUNDATION ANALYSIS

Evaluation of data till the end of July shows that heavy rainfall had created flood-like situation over Assam, Bihar, Eastern UP and some parts of Punjab. Adding to the evaluation of data until August 15 reveals that heavy rainfall in the first week of August had created flood-like situation over Central Gujarat, Karnataka, Kerala and some parts of Maharashtra.

Multidate Inundation Analysis using passive microwave satellite shows a significant increase in moisture over agricultural land. There have also been multiple cases of inundation events (when sown areas remain underwater for long durations, they ultimately cause loss of crop in that area).

In Assam, 7,82,051ha. (approx.) of agricultural land is under high soil moisture regime out of 12,96,625 ha. (approx.) of inundated area (60% of overall affected area is agricultural land) which indicates flood like situation during the month of July (as analysed from 12th, 14th, 16-28th of July date images). Districts affected are Kamrup, Kokrajhar, Morigaon, Golaghat, Barpeta, Dhemaji, Baksa, Nagaon, Hojai, Nalbari, Biswanath, Sivasagar, Lakhimpur, Jorhat, Darrang, Dhubri, Dibrugarh and Udalguri.



INUNDATION ANALYSIS

We have a similar situation in BIHAR where 12,91,680 ha. (approx.) area of agricultural land seems to have been affected by inundation in the state out of the 14,31,325 ha.(approx.) of total inundation area (that is close to 90% of agricultural land). On microwave satellite data, significant increase in soil moisture is observed throughout the month of July (11-13th, 15th, 17-18th, 20-22nd and 24-28th July). Districts affected are East Champaran, Araria, Purnia, Madhubani, Sitamarhi, Kishanganj, Katihar, Darbhanga and Supaul.

Some parts of Eastern Uttar Pradesh, which are adjacent to Bihar have also been affected due to heavy rainfall and floods. High soil moisture has been observed in Deoria, Gorakhpur, Ghazipur, Kushinagar, Sant Kabir Nagar, Maharajganj, Mau, & Ballia districts of UP. 84,161 ha. (approx.) of agricultural land area indicates high increase in soil moisture out of 92,750ha. (approx.) of total inundation area effected by the same cause.

Some parts of Patiala and Sangrur districts of Punjab have also faced a flood-like situation (during 22nd-27th of July) as river Ghaggar and canals were overflowing. It has been noted that 15,438 ha. (approx.) of agricultural land would have been affected.

Some parts of Central Gujarat were also affected due to heavy rainfall and floods. High soil moisture has been observed in Ahmedabad, Kheda, Vadodara and Bharuch districts. 95,516 ha. (approx.) of agricultural land area indicated high soil moisture out of 1,00,269 ha. (approx.) of total inundation area effected by same cause.

Due to heavy water discharge from Maharashtra, North Karnataka districts of Belagavi, Bijapur, Raichur, Kalburgi and Yadgir were severely affected. Adding to this on August 8, Karnataka received nearly five times the rainfall it gets normally. This added to the severity of the ongoing floods in its 12 districts Bijapur, Raichur, Yadgir, Bagalkot, Uttar Kannada, Chikmagalur and Haveri; 1,25,326 ha. (approx.) area of agricultural land has been affected out of 1,37,318 ha. (approx.) of total inundation area.

Incessant rains accompanied by the rise in water level across rivers have lead to flooding in many parts of Kerala. High moisture has been observed in Alappuzha, Ernakulum, Kollam, Kottayam, Malappuram, Palakkad, Pathanamthitta and Thrissur districts. 32,784 ha. (approx.) of agricultural land indicated high increase in soil moisture out of the 58,343 ha. (approx.) of total inundation area. Kohlapur and Sangli districts of Maharashtra also faced flood like situation. It is expected that 43,073 ha. (approx.) of agriculture land would have been affected.

Note- For more granular information, kindly refer Annexure-I

6

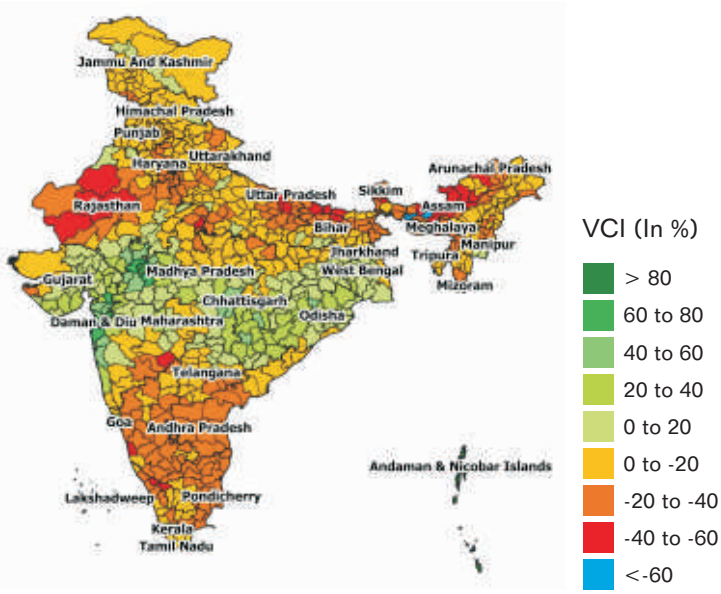
SATELLITE DERIVED VEGETATION INDEX

NDVI (stands for Normalized Difference Vegetation Index) is a satellite derived parameter which is a good indicator of crop emergence and growth condition in any area. When a comparison of the current year is done with respect to the same period of the past three years (2016, 2017 and 2018 in this case; known as VCI or vegetation condition index), a fair understanding of current season crop progress can be gained. VCI aggregated at district level is given as percentage increase or decrease over past period. 20% interval has been used to analyze the entire range of variation.

Delayed arrival of Monsoon over most parts of the country appears to be showing its impact on crops and some delay in sowing (by a fortnight or so) appears to be the reason for the appearance of most parts of the country in the 20-60% lowering of vegetation index. This is not necessarily an alarming situation since delayed sowing does not mean crop loss. The increased rainfall activity in the latter part of July and early August will help improve the crop condition in general which would be reflected in assessment of indices of August month.

Most parts of Gujarat, Western Madhya Pradesh, Western and Northern parts of Maharashtra, parts of Chhattisgarh and Odisha, show better crop condition in comparison to past years.

Marathwada, Western Rajasthan, most of Telangana seem to be under stress. Lower indices in Northern Bihar, Eastern UP and Assam is more likely due to the area remaining under flood conditions for significant part of the assessment period.



7

SOWING TREND SCENARIO BY MINISTRY OF AGRICULTURE

As per the report released by the Ministry of Agriculture on August 23, 2019 sowing this year is down by more than 2% as compared to the same time of last year. Total of 975.16 lakh hectares of area has been sown against total of 975.16 lakh hectares sown at the same time last year.

Highest decline of 6% has been recorded in Rice sowing followed by 5.6% in sugarcane and 3% in Pulses. The only gainer has been cotton whose area has registered a growth of 5.7% than the same time of last year.

Good rains recorded during the second fortnight of July and first fortnight of August over most of the states has boosted the sowing and helped to cover the lag. Good rains have also helped in boosting soil moisture and raised prospects for better crop output for the season.

Due to delayed Monsoon, Rice sowing has declined by 6%, Sugarcane by 5.6%, Pulses by 3%. Cotton has shown a growth of 5.7%

Progressive Area Coverage under Total Kharif Crops as on August 23, 2019

Crops	Normal Area (million ha.)	August 2019	August 2018	% change over the last year
Rice	396.25	334.92	357.97	-23.05
Pulses	119.89	124.56	128.53	-3.97
Arhar	43	43.43	43.26	0.17
Urdbean	30.77	35.10	37.43	-2.33
Moongbean	27.5	29.86	32.65	-2.79
Kulthi	2.19	0.23	0.41	-0.18
Other Pulses	16.44	15.95	14.79	1.16
Coarse Cereals	188.39	165.03	164.09	0.94
Jowar	21.61	14.97	17.41	-2.44
Bajra	74.39	65.02	62.02	3.00
Ragi	11.53	6.01	6.72	-0.71
Small Millets	6.18	3.95	4.23	-0.28
Maize	74.68	75.09	73.73	1.36
Oilseeds	181.96	167.89	167.55	0.34
Groundnut	42.44	36.03	37.55	-1.52
Soybean	111.49	112.51	111.50	1.01
Sunflower	1.84	0.87	1.01	-0.14
Sesamum	14.13	12.35	13.31	-0.96
Niger	2.41	0.91	0.61	
Castor	9.66	5.21	3.58	1.63
Sugarcane	48.32	52.37	55.47	-3.10
Jute & Mesta	7.87	6.84	7.20	-0.36
Cotton	120.93	123.54	116.85	6.69
Total	**1063.61**	**975.16**	**997.67**	**-22.51**

8 CROP WISE ANALYSIS

Cotton
Soybean
Paddy
Pulses

skymet

Kharif Crop Outlook 2019/20

VOLUME 2

8.1

CROP WISE ANALYSIS

COTTON

As per the data released by the Ministry of Agriculture on August 23, cotton sowing is up by 5.7% in comparison with the same time last year. So far 123.54 lakh hectares of area has been covered as against 116.85 lakh hectare covered at the same time last year. As expected, most of the states have recorded a jump in cotton acreages as compared to last season. Biggest jump of 41% in cotton acreages has been noticed in Punjab as some of the paddy area has been shifted towards cotton in the state. Karnataka stood second with a rise of 29% followed by Andhra Pradesh with 15%, Maharashtra with 7% and Haryana with 5%.Maharashtra has recorded highest progressive acreages under cotton in the last five years. Better realization from the cotton in last season is the factor behind the increased acreages. Delayed onset and uneven rainfall also left no other option than cotton with the farmers as cotton can withstand moisture stress for

Progressive Area Coverage under Cotton in major producing states as on August 23, 2019

State	Normal Area (million ha.)	August 2019	August 2018	% change over the last year
Maharashtra	41.48	43.64	40.62	7.42
Gujarat	26.04	26.29	26.91	-2.31
Telangana	17	17.62	17.61	0.06
Karnataka	6.47	4.95	3.84	28.83
Madhya Pradesh	5.65	6.10	6.88	-11.34
Andhra Pradesh	6.56	5.45	4.73	15.22
Haryana	6.06	7.01	6.65	5.41
Punjab	3.56	4.02	2.84	41.55
Others	8.11	8.47	6.77	25.11
Total	**120.93**	**123.54**	**116.85**	**5.73**

30-35 days after sowing as most of the cotton producing belts suffered a moisture stress for almost 20-30 days after sowing.

The second highest cotton producing state, Gujarat has recorded less sowing this year as area under cotton sowing has declined by 2% than the same time of last year. This year, sowing of cotton was delayed in almost all states. In Karnataka, Telangana and Andhra Pradesh, most of the sowing has been done in the second fortnight of July to the first fortnight of August as these states were deficient till the first fortnight of July.

The crop is in a good condition in all states except in Maharashtra, but harvest may get delayed in some regions due to the delayed onset and revival of Monsoon.

Monsoon Performance and Outlook of major cotton growing states

Maharashtra, Gujarat, Telangana, Karnataka, Madhya Pradesh, Andhra Pradesh, Haryana and Punjab are the major cotton producing states in India.

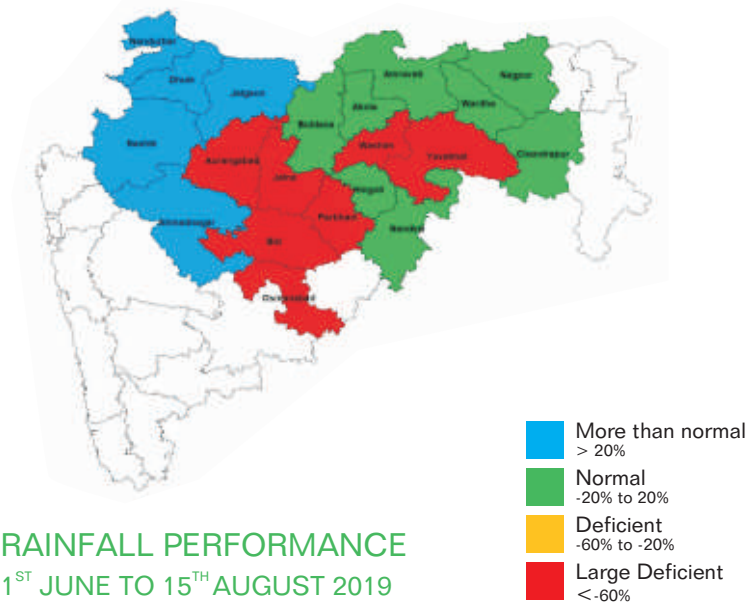
As per the data released by the Ministry of Agriculture on August 23, cotton sowing is up by 5.7% in comparison with the same time last year.

MAHARASTRA

There are 20 districts in Maharashtra where cotton crop is mainly grown. These districts are Ahmednagar, Dhule, Jalgaon, Nandurbar, Nashik, Aurangabad, Beed, Hingoli, Jalna, Nanded, Osmanabad, Parbhani, Akola, Amravati, Buldhana, Chandrapur, Nagpur, Wardha, Washim and Yavatmal.

Out of these 20 districts, Nandurbar (75%), Dhule (67%), Jalgaon (21%), Nashik (84%) and Ahmadnagar (28%) have recorded excess rains while 8 districts, Nagpur, Wardha, Chandrapur, Amravati, Akola, Buldhana, Hingoli and Nanded have recorded normal rainfall. 7 districts, Washim (-26%), Yavatmal (-28%), Aurangabad (-5%), Jalna (-24%), Parbhani (-28%), Bid (-42%) and Osmanabad (-21%) have recorded deficient rainfall.

Cotton sowing in the state is up by 7% than the same time of last year. Good showers in the last week of June and first week of July over Vidarbha and North Maharashtra helped farmers to



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

initiate cotton sowing. But Marathwada continued to face severe drought like conditions for the second consecutive year and this has restricted cotton sowing in the region. Sowing had not been done in many pockets of Maharashtra till the end of July due to scarcity of rainfall. The delay in Monsoon has pushed the sowing window by almost 15 days in the state as generally cotton sowing starts from June 10, but this year sowing started in the last week of June. There were no rains over the entire cotton growing belt of Vidarbha, North Maharashtra and Marathwada till July 10. The region has recorded rains only after July 10. The crop in Vidarbha and North Maharashtra was in satisfactory condition while the crop was drying in Marathwada till July 10. Thereafter no rains were experienced over the state in the second fortnight of July. Afterwards heavy downpour were recorded between August 1 to 10 over Madhya Maharashtra and Vidarbha which have not adversely impacted the crop. Good rains recorded over Marathwada region have also given life to the crops which were dying due

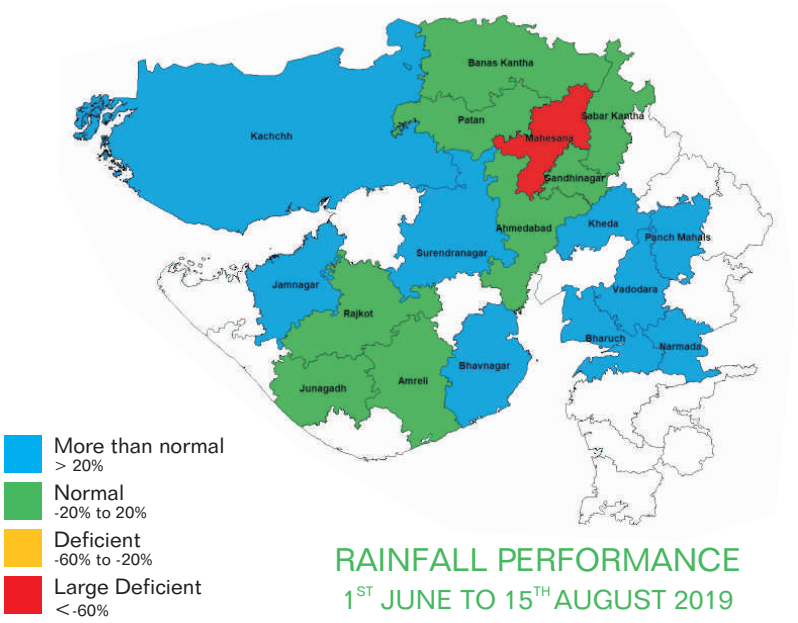
to severe moisture stress. Still Marathwada requires another spell of good rains for further betterment of the crop. Good rains recorded in the first fortnight of August over the cotton belt are quite beneficial for the crop as the early sown crop is at square formation and good rains at this stage will lead to good yields.

Cotton flowers have been found to be infected by pink bollworm in few pockets of Akola and Nanded. About 10% of the farms have been found to be infected which is a little alarming. Farmers are advised to take all the necessary preventive measures to protect the crop against further damage.

GUJARAT

There are 18 districts in Gujarat where the crop is mainly grown and these districts are Ahmedabad, Banaskantha, Bharuch, Gandhinagar, Kheda, Mehsana, Narmada, Panchmahal, Patan, Sabarkantha, Amreli, Vadodara, Bhavnagar, Jamnagar, Junagarh, Kutch, Rajkot and Surendra nagar.

Out of the 18 main Cotton producing districts, 9 have recorded excess rainfall and these districts are Narmada (48%), Bharuch (73%), Vadodara (23%), Panch Mahal (36%), Kheda (21%), Bhavnagar (21%), Surendra



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nagar (28%), Jamnagar (26%) and Kachchh (47%). 8 districts- Banas kantha, Sabarkantha, Patan, Gandhi nagar, Ahmedabad, Rajkot, Junagarh and Amreli have received normal rainfall while only Mehsana (-20%) has recorded deficient rainfall.

Cotton sowing is down by 2% in comparison with the same time of last year. Delayed onset coupled with deficient rains have adversely impacted the sowing in the

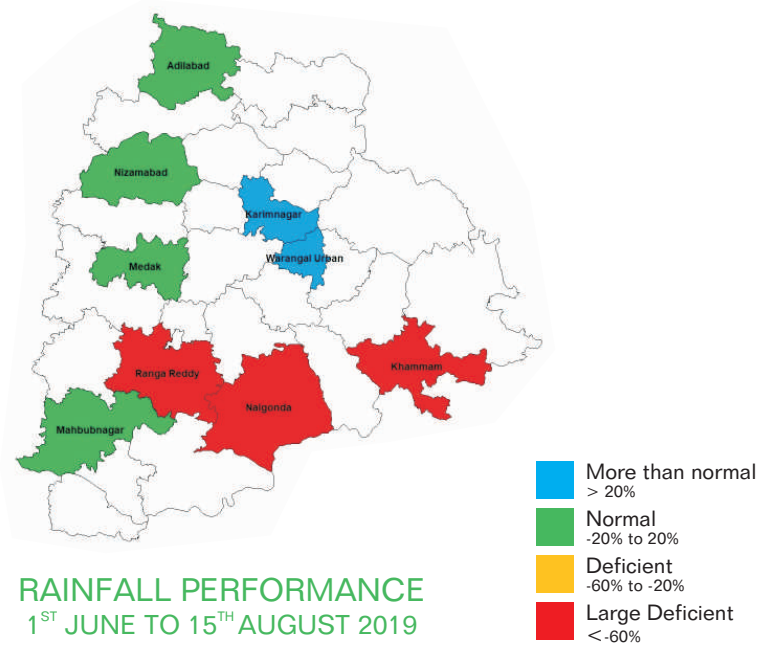
state. This year, sowing has been delayed in the state by almost 10-15 days. A Prolonged dry spell between June 25 to July 20 had raised concerns among farmers as the crop was turning yellow due to moisture stress but intermittent light showers after July 20th provided much needed relief to the crop. Now crop is around 60-70 (irrigated cotton) and 40-50 (unirrigated cotton) days old and is in good to satisfactory condition.

During the first fortnight of August, heavy rains lashed the state and many pockets have witnessed flood like situation. Rains continue to wreak havoc over Vadodara and a large area under cotton has been effected. The Crop is wilted in many pockets of the district. Surendra nagar is also bearing the brunt of heavy rains but damages in term of Cotton crop is confined to only one tehsil called Dhragendra where the crop is completely damaged due to the submergence of cotton fields. Rajkot is another district where heavy rains have damaged the crop fields located along water bodies and rivulets. Moderate damages to cotton are seen in Morbi and Tankara tehsils of Morbi district and Barvala tehsil of Botad districts also. However, these rains have also proved beneficial to the crops in the pockets where crop was drying due to severe moisture stress.

TELANGANA

There are 9 major cotton producing districts in Telangana. The names of the districts are Adilabad, Karimnagar, Khammam, Mahbubnagar, Medak, Nalgonda, Nizamabad, Rangareddy and Warangal.

Out of 9, Karimnagar (25%) and Warrangal Urban (29%)have recorded excess rains while 4 districts, Adilabad, Nizamabad, Medak and Mahbubnagar have



RAINFALL PERFORMANCE
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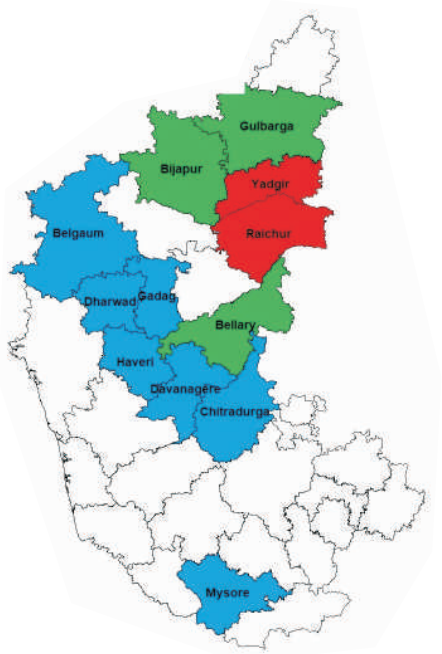
recorded normal rainfall and 3 districts, Rangareddy (-27%), Nalgonda (-46%) and Khammam (-26%)have experienced deficient rainfall.

The delayed Monsoon over the state delayed the sowing operations as sowing could only start in the first fortnight of July. Crop is in germination to vegetative stage. Crop was in severe moisture stress till the end of July in all pockets of Adilabad, Bhadadri, Warrangal (R), Warrangal (U), Nalgonda and Khammam but widespread good rainfall recorded over the entire cotton growing districts has provided much needed relief. Good widespread rainfall is required for the crop in days to come for further establishment of the crop. Sporadic incidents of Pink Boll Worm have been noticed in Gadwal and Sircilla but those are not the key cotton producing belts.

KARNATAKA



More than normal
> 20%

Normal
-20% to 20%

Deficient
-60% to -20%

Large Deficient
<-60%

RAINFALL PERFORMANCE
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There are 12 major cotton producing districts in Karnataka. These districts are Bijapur, Belgaum, Dharwad, Gadag, Gulbarga, Haveri, Raichur, Yadgir, Bellary, Chitradurga, Davangere and Mysuru.

Out of the 12 main Cotton producing districts, 7 districts named Belgaum (126%), Gadag (64%), Dharwad (70%), Haveri (76%), Davangere (26%), Chitradurga (41%) and Mysuru (91%) have recorded excess rainfall. Bijapur, Gulbarga and Bellary have recorded normal rainfall while Yadgiri (-24%) and Raichur (-29%) have recorded deficient rainfall.

The delay in sowing is attributed to delayed Monsoon and uneven distribution of rainfall. Sowing is almost complete in the districts of North Karnataka such as Dharwad, Haveri, Gulbarga, Bijapur and Gadag and the crop is almost 35 to 50 days old. Raichur and Mysuru started receiving rains after July 15 so sowing started after that. Water shortage in the Cauvery belt had also resulted in slow progress of sowing. Already sown crop was also experiencing moisture stress. There was a fear

of crop loss in the state due to severe moisture stress and scanty rainfall until July end. But the first fortnight of August changed the entire picture as rainfall deficient pockets started reeling under flood. Worst affected districts by incessant rains were Belgaum, Dharwad, Gadag, Gulbarga, Haveri, Chitradurga, Davangere and Mysuru.

Cotton in Belgaum is worst affected as entire district is submerged, and it is expected that 60-80% crop will be damaged. Exact estimation of loss is not possible at this time due to limited mobility in the fields. Flood like situation arose due to heavy rains in catchment areas of Malprabha, Ghatprabha, Dudhganga and Panchganga rivers flowing through the various parts of the district. It is reported that around 100% of the crop in three mandals, Khanapur, Belgaum and Sampgaon, is fully submerged.

Second worst affected district by incessant rains is Dharwad. Four tehsils named Alnavar, Kalghatagi, Navalgund and Dharwad have been affected by the flood from the small Bennihalla and the Tuprihalla rivulets. Most of the area of these tehsils are inundated. Exact estimation of loss is not possible at this time because mobility is restricted in the fields.

Gadag has also some area under flooding caused by Malprabha river but the flooding is confined to the northern parts of the district i.e. Nargund and Ron mandal. Huge losses are not expected.

Losses to cotton crop is confined to only three districts that is Belgaum, Dharwad and Gadag. In all other districts, good rains have given life to crops which were in a bad shape earlier and have also facilitated the sowing of other crops such as Paddy.

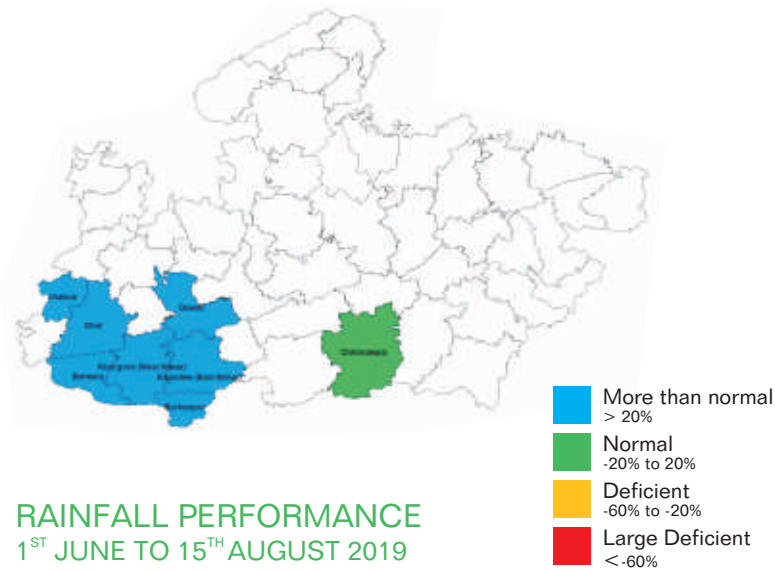
MADHYA PRADESH

The cotton in the state is grown largely in the Nimar valley districts such as Chhindwara, Barwani, Burhanpur, Dewas, Dhar, Jhabua, Khandwa and Khargone.

Out of the 8 key cotton producing districts, 7 districts namely Jhabua (68%), Dhar (31%), Dewas (29%), Barwani (59%), Khandwa (49%), Khargaone (31%) and Burhanpur (59%) have recorded excess rainfall while only Chhindwara has recorded normal rainfall.

This year, sowing is down by 11% than the same time of last year. The region had seen delayed monsoon but after

arrival, heavy rainfall was witnessed over the region. The early sown irrigated cotton is in vegetative to squaring stage (50-70 days). The rainfed cotton is sown in the last week of June to first week of July. The good monsoon rainfall over the region has created adequate soil moisture for the crop growth. Crop is at a satisfactory stage. Scattered light rains over the state during the first fortnight of August are highly beneficial for the crop. Most of the crop in the state has been sown on time and is at square formation. Light rains at this stage is very good for the crop.



RAINFALL PERFORMANCE
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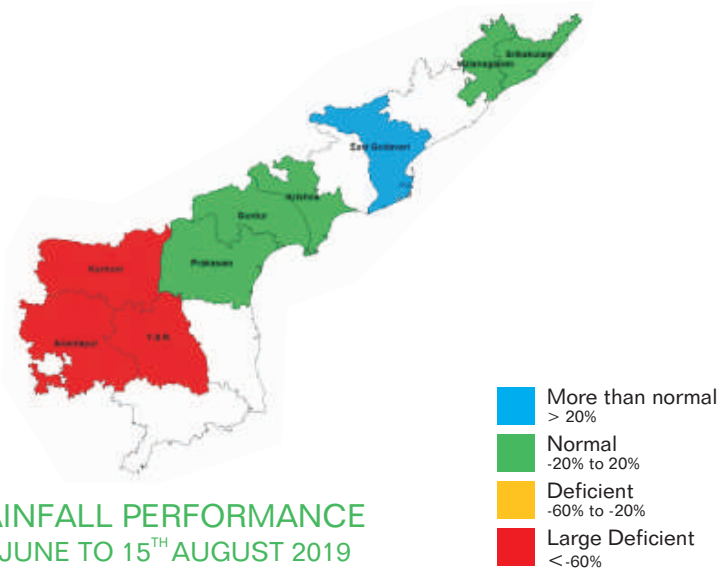
ANDHRA PRADESH

Andhra Pradesh has nine districts where cotton is grown. These districts are East Godavari, Guntur, Krishna, Prakasam, Srikakulum, Vizianagaram, Anantapur, Kadapa and Kurnool.

Out of the key 9 cotton producing districts, only East Godavari (30%) has recorded excess rainfall. 5 districts namely Srikakulum, Vizianagram, Krishna, Guntur and Prakasamhave recorded normal rainfall while 3 districts, Kurnool (-30%), Cuddapah



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

(-47%) and Ananthapur (-41%) have experienced deficient rainfall.

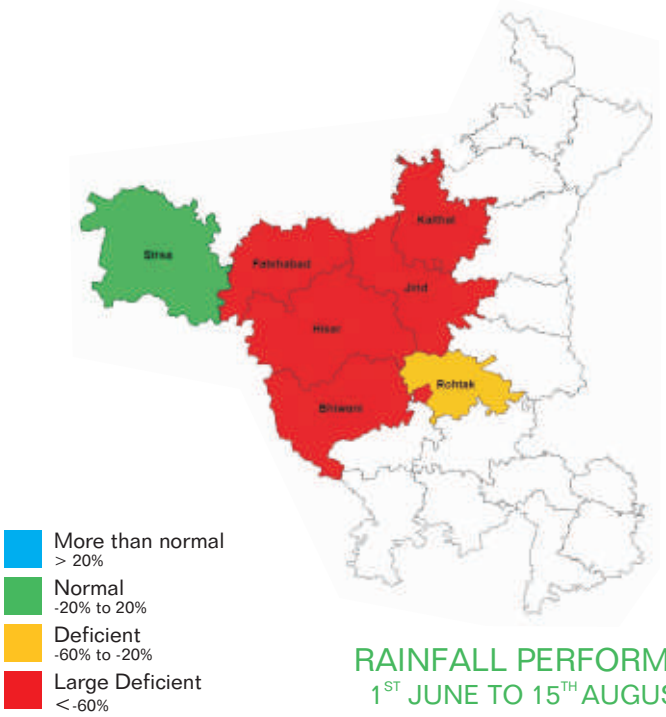
The subdued progress of Monsoon rains had hit the cotton sowing in the state initially, but rainfall recorded between July 15 to 18 helped to cover the lag. So far sowing is up by 15% than the same time of last year. These rains have also provided much needed relief to standing crop. Currently crop is in sowing to vegetative stage and is in average condition. Except Rayalseema (Anantapur, Kadapa and Kurnool) all other cotton producing districts have recorded good rains between August 1 to 15 and that is highly beneficial for the crop that was previously under severe moisture stress.

HARYANA

Haryana has seven districts where cotton is grown. These districts are Bhiwani, Fatehabad, Hissar, Jind, Kaithal, Rohtak and Sirsa.

Out of the 7 key cotton producing districts, Sirsa has recorded normal rainfall. Kaithal (-52%), Fatehabad (-58%), Jind (-39%), Hissar (-33%) and Bhiwani (-31%) have observed deficient rainfall while Rohtak (-62%) received scanty rainfall.

Cotton has seen a mild increase in area as compared to last year, but these are the highest acreages under cotton in last five years in the state.



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Some of the paddy area has been shifted towards cotton this year. Although the state received deficient rainfall, good irrigation facilities had ensured timely sowing. Heavy spell of rainfall during the third week of July had created water logging in low lying fields but any damage

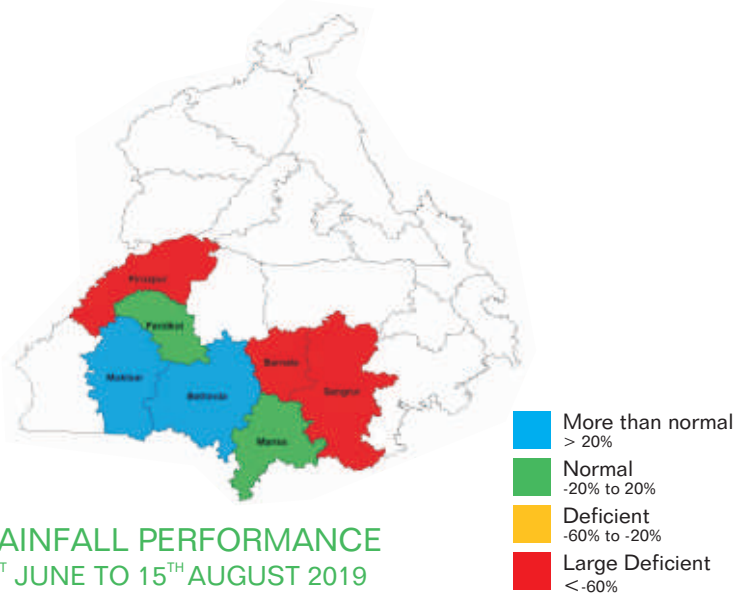
to crop has not yet been noticed. Currently crop is at vegetative to reproductive stage (70-90 days). Sporadic incidents of sucking pest have been noticed in few pockets of Sirsa and Hissar. Rains were almost absent from the cotton growing districts between August 1 to 15 but due to good irrigation facility in the state, there has been no adverse impact on the crop.

PUNJAB

Punjab has seven districts where cotton is grown. These districts are Barnala, Bhatinda, Faridkot, Firozpur, Mansa, Muktsar and Sangrur.

Out of the 7 key cotton producing districts, Muktsar (82%) and Bhatinda (41%) have recorded excess rainfall. Faridkot and Mansa have recorded normal rainfall while Firozpur (-33%), Barnala (-35%) and Sangrur (-40%) have recorded deficient rainfall.

Sowing is complete, and it is up by 41% than the same time of last year. Some of the non-basmati area has been shifted towards cotton due to better realization from the crop in the last season. Crop was in good condition until third week of July but heavy downpour on July 22 & 23 affected the crop adversely. Cotton can withstand moisture stress for a period of 25 to 35 days, but water logging can destroy the crop in a couple of days. The Ghaggar river overflowed in Patiala, Moga, Mansa, Sangrur, Ferozepur, Faridkot and Bhatinda following heavy rainfall and thousands of acres under cotton in these districts have been damaged. Except Muktsar and Faridkot, rains were almost absent from other cotton growing districts. The good irrigation facility in the state prevented any adverse impact on the crop.



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Acreage Outlook

Significant increase in cotton prices in the last season, better realization over competitive crops coupled with the delayed onset of Monsoon and scanty rainfall this season has helped cotton acreages to rise by 5.7% when compared to the same time of last year. Significant increase in cotton acreages has been seen in Punjab, Karnataka, Andhra Pradesh and Maharashtra. Delayed Monsoon and scanty rainfall in June and first half of July had left the farmer with no option other than

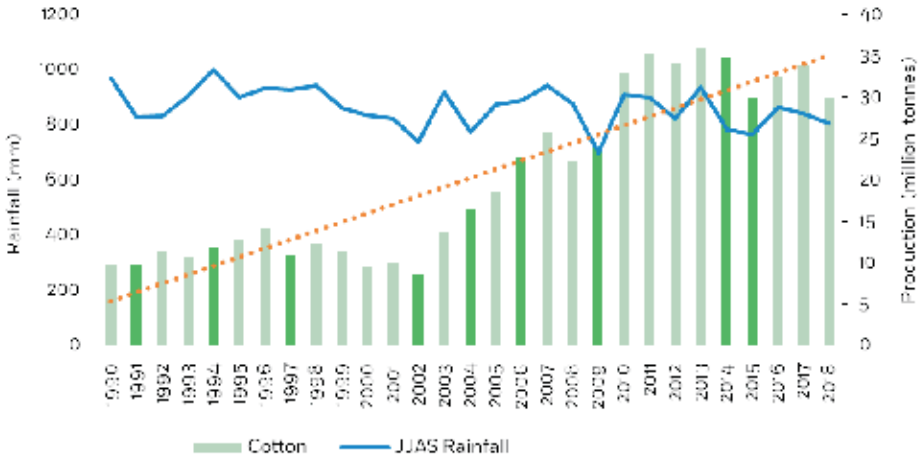
cotton. Now cotton sowing window has almost closed in all states. Only marginal upside in acreages can be seen in southern parts of the country such as Andhra Pradesh, Telangana and Karnataka but the upside will be limited.

Significant increase in cotton acreages has been seen in Punjab, Karnataka, Andhra Pradesh and Maharashtra.

Production Outlook

Yield is directly proportionate to the amount of rainfall a crop receives at critical stages. As per historical data, productivity is directly related to the precipitation data. Lower rains coupled with poor distribution adversely impact crop production.

Good rainfall has been recorded in the second half of July across India. The first fortnight of August also witnessed widespread rainfall and these rainfalls are very helpful for the crop which is around 45 to 70 days old and at the square to the flowering stage. In Maharashtra, maximum cotton area is under rainfed situation. The availability of irrigation is also scanty in Madhya Pradesh, Andhra Pradesh, Karnataka and Gujarat. Cotton plant needs a minimum of 500 to 700 mm of water between germination and boll formation. Most of the water is required once the plant starts blooming. Among all critical



CORRELATION BETWEEN MONSOON RAIN AND COTTON PRODUCTIVITY

Lower rains coupled with poor distribution adversely impact the cotton production.

stages, flowering phase is important as far as the effective contribution of developing sink towards yield is concerned. Most of the crop will be at bud formation to blooming stage till the end of August. Rains will be at par with the requirement of the plant and this could translate into better yields in a few pockets. As per Skymet's Monsoon forecast, August and September is expected to record normal rainfalls across India and that will be highly beneficial for the crops.

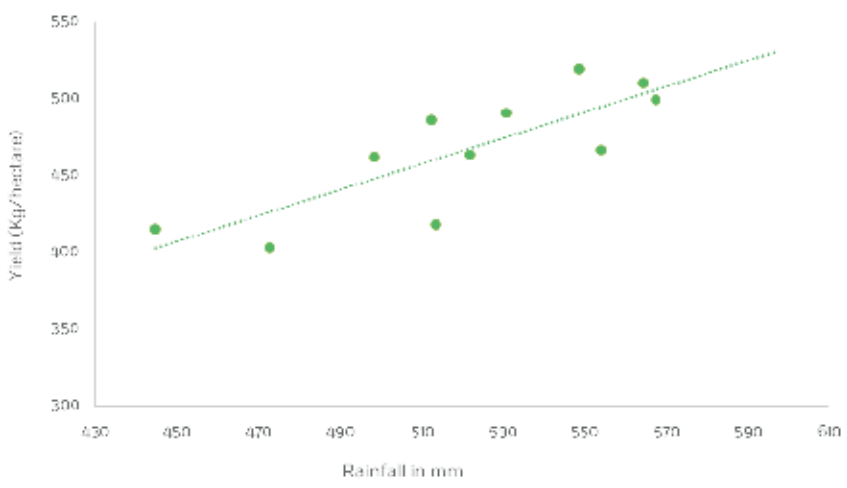
Yields will be adversely impacted in a few states such as Maharashtra, Gujarat and Karnataka as late sowing has already weakened the crop and losses in yields can be seen.

But yields are expected to be near normal in other states such as Punjab and Haryana. Thus, this year, national average yield is expected to rebound from last year's average yield, and it could also be better than our previous estimates.

Skymet has computed the yields of cotton, based on the actual rainfall recorded till date (August 15, 2019) and Monsoon forecast for the second fortnight of August and the month of September in key cotton growing states. In case of Cotton, rains in July and August had the biggest impact on the yields.

As per our estimates and looking at forecast Monsoon conditions, expected national average yield will be 471 kilo grams per hectare for Kharif 2019. Cotton production is estimated to be around 34.21 million bales based on the acreages (12.35 million hectare) reported by Government till date (August 23, 2019). This will be 14 percent higher from last year's production of 30.08 million bales on 12.24 million hectares.

Note- Kindly refer Annexure-II for phase wise rainfall recorded and its impact on Cotton.



CORRELATION BETWEEN RAINFALL AND COTTON YIELD

8.2

CROP WISE ANALYSIS
SOYBEAN

As per the data released by the Ministry of Agriculture on August 23rd, soybean sowing has covered the lag and now sowing is up by 1% than the same time of last year. So far 112.51 lakh hectares of area has been covered as against 111.50 lakh hectares covered at the same time last year. Except Madhya Pradesh, Maharashtra and Rajasthan, all other key producing states have witnessed a fall in acreages. The sowing window for soybean in Maharashtra, Karnataka & Telangana has already closed on 15th July, but farmers continued to sow soybean post the ideal sowing deadline as these states have received good rainfall post July 20. However, with each passing day, the productivity of freshly sown Soybean is likely to go down.

Monsoon Performance and Outlook of major soybean growing states

Madhya Pradesh, Maharashtra, Rajasthan, Karnataka and Telangana are the major soybean producing states in India.

Progressive Area Coverage under Soybean in major producing states as on August 23, 2019

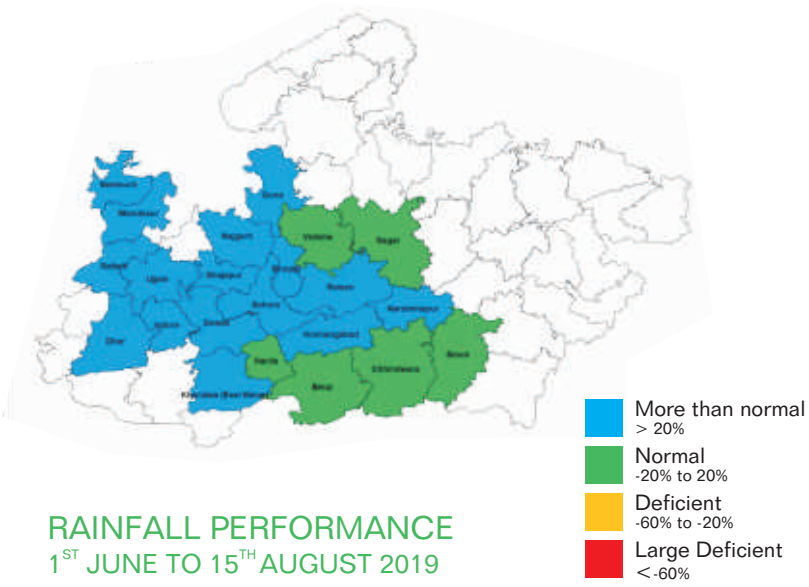
State	Normal Area (million ha.)	August 2019	August 2018	% change over the last year
Madhya Pradesh	56.40	54.77	53.18	2.99
Maharashtra	36.79	39.31	38.97	0.89
Rajasthan	10.49	10.61	10.46	1.46
Karnataka	2.66	3.17	3.39	-6.66
Telangana	2.32	1.73	1.78	-2.87
Others	2.82	2.92	3.73	-21.72
Total	**111.49**	**112.51**	**111.50**	**0.91**

MADHYA PRADESH

There are 22 districts in Madhya Pradesh where the crop is mainly grown. These districts are Betul, Bhopal, Chhindwara, Dewas, Dhar, Guna, Harda, Hoshangabad, Indore, Khandwa, Mandsaur, Narsinghpur, Neemuch, Raisen, Rajgarh, Ratlam, Sagar, Sehore, Seoni, Shajapur, Ujjain and Vidisha.

Out of the 22 key Soybean producing districts in Madhya Pradesh, 16 districts have recorded excess rainfall and these districts are Neemuch (74%), Mandsaur (111%), Ratlam (60%), Ujjain (54%), Indore (43%), Dhar (31%), Guna (42%), Rajgarh (52%), Shahjahapur (72%), Dewas (29%), Khandwa (49%), Bhopal (74%), Sehore (48%), Raisen (40%), Hoshangabad (25%) and Narsinghpur (39%). While 6 districts, Vidisha, Sagar, Harda, Betul, Chhindwara and Seoni have recorded normal rainfall.

This year, sowing was deferred due to the delayed onset of



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Monsoon over the state and patchy rainfall distribution in June. The widespread rainfall in the state during the first week of July has improved the sowing. Crop in the major growing belt of Western Madhya Pradesh is in good condition. In Eastern Madhya Pradesh, crop is mostly late sown and is in the germination to early vegetative stage.

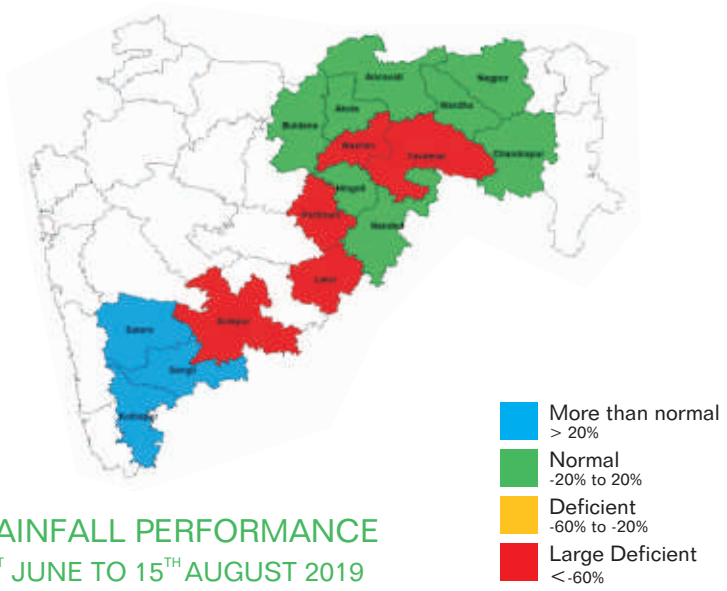
During the first fortnight of August, Guna, Hoshangabad, Mandsaur, Neemuch, Raisen, Rajgarhhave recorded excess rainfall while others have either received normal rainfall or remained deficient. Most of the soybean crop in the state is at vegetative to flowering stage and good rains at this stage are good for the crop but excess rains may induce flower shading that will result in lesser pods per plant thus adversely impacting the yield.

MAHARASHTRA

There are 16 districts in Maharashtra where soybean is grown. These districts are Akola, Amravati, Buldhana, Washim, Yavatmal, Hingoli, Latur, Nanded, Parbhani, Kolhapur, Sangli, Satara, Chandrapur, Nagpur, Wardha and Solapur.

Out of the 16 districts, Satara (73%), Sangli (52%) and Kolhapur (73%) have recorded excess rainfall while 8 districts, Chandrapur, Nagpur, Wardha, Amravati, Akola, Buldhana, Hingoli and Nanded have recorded normal rainfall. Only 5 districts i.e. Washim (-26%), Yavatmal (-28%), Parbhani (-28%), Latur (-29%) and Solapur (-42%) remained deficient.

Soybean sowing is almost at par with the same time last year. So far 39.31 lakh hectares have been sown against the 38.97 lakh hectares sown at the same time last year. The second largest producer of Soybean has been hit by the Monsoon delay, prolonged dry



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

spells, patchy distribution of rainfall thereafter heavy downpour. By the end of July, key soybean producing districts of Marathwada region have unsown area. Crop was also not in satisfactory condition in other areas. But light rainfall recorded over Marathwada region during the first fortnight of August has provided much needed relief to crops in the region.

During the first fortnight of August, almost all districts of Madhya Maharashtra have recorded excess rainfall. Sangli, Satara and Kolhapur are facing floods due to the heavy downpour. Together these three districts account for 15.61 lakh hectares of agricultural land which is completely submerged. Main rivers Krishna, Panchganga, Koyna, Warna and other small tributaries overflowed as heavy rains lashed continuously. Fields have been inundated for more than one week now. Heavy losses to the standing crops are expected over these regions but the extent of losses would come to be known only when the water recedes from the fields. Access to the fields is restricted at this moment.

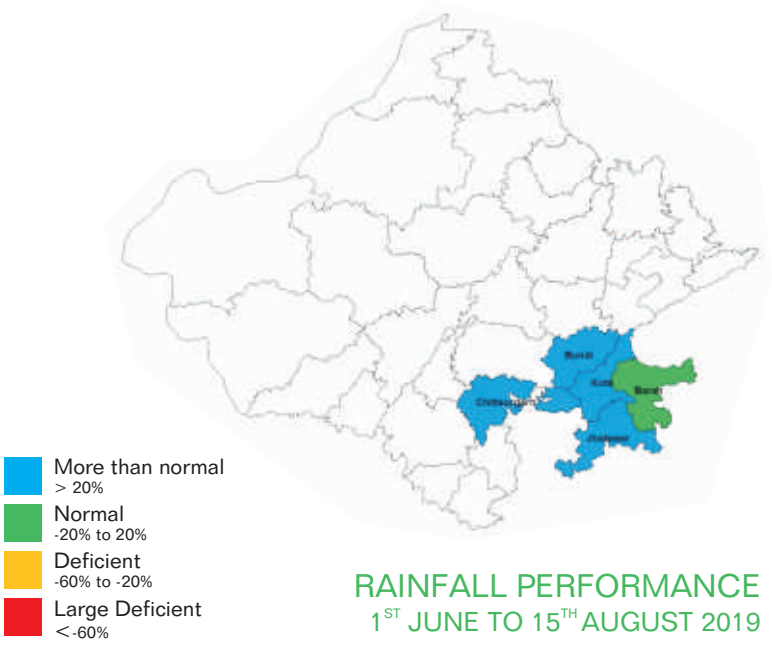
Vidarbha region has also recorded good rains during the first fortnight of August and these rains are very good for the crop in the region. Since the beginning of the Monsoon season, Vidarbha has recorded deficient rains but rains were in line with the sowing and crop requirement so there has been no adverse impact on the crop.

RAJASTHAN

Rajasthan has only five districts i.e. Baran, Bundi, Chitorgarh, Jhalawar and Kota where soybean is grown.

Bundi (73%), Kota (57%), Jhalawar (46%) and Chittaurgarh (35%) have recorded excess rainfall while Baran has recorded normal rainfall.

Key soybean producing districts have recorded good rains and the same has clearly been reflected in the acreages of Soybean in the state. All key Soybean districts have met the sowing targets in the first fortnight of July itself. Thereafter excess rains are continuing over the districts but there has been no adverse impact on the crop as of now. Soil in these districts is very deep, aeolian in nature with sandy to silty grain size. Due to this, the rainwater retention in topsoil zone is lower and it drains quickly. So excess rains have no adverse impact on the crop. Crop is healthy and at vegetative to flowering stage.



RAINFALL PERFORMANCE
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KARNATAKA

Karnataka has four districts Belgaum, Bidar, Dharwad and Haveri where Soybean is a dominant crop. Belgaum (126%), Dharwad (70%) and Haveri (76%) have recorded excess rainfall while Bidar has recorded deficient rainfall.

Delayed South West Monsoon postponed the sowing of crop by almost a fortnight and diverted farmers towards less water intensive crop such as maize. Patchy distribution of rainfall further played havoc with the crop. So far 3.17 lakh hectares have been covered as compared to 3.39 lakh hectares sown at the same time last year. Thereafter heavy downpours over Belgaum, Dharwad and Haveri during the first fortnight of August created flood-like situation which caused damage to the crop. Belgaum is the worst affected district followed by Dharwad and Haveri, where heavy inundation has been observed due to incessant rains during the period. These three districts, Belgaum, Dharwad and Haveri together account for 15.11 lakh hectares of agricultural land under various Kharif crops.

More than normal
> 20%

Normal
-20% to 20%

Deficient
-60% to -20%

Large Deficient
<-60%

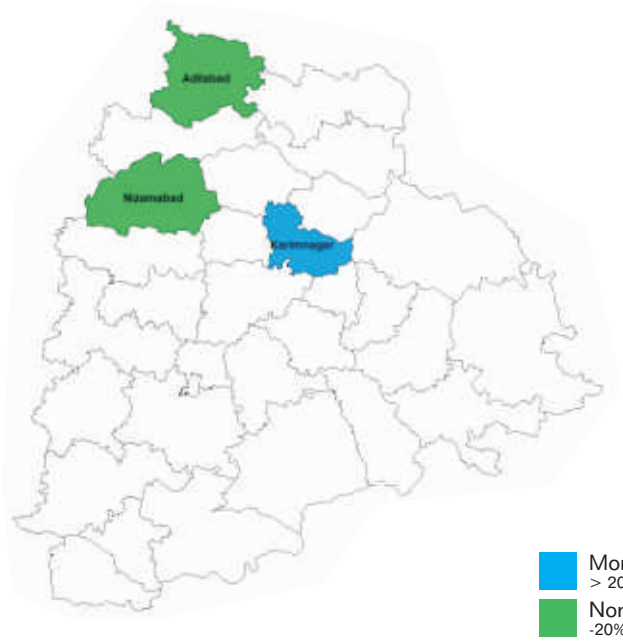
RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Delayed South West Monsoon postponed the sowing of crop by almost a fortnight and diverted farmers towards less water intensive crop such as maize.

TELANGANA

Adilabad, Nizamabad and Karimnagar are the districts in Telangana where crop is grown. Karimnagar (25%) has recorded excess rainfall while Adilabad and Nizamabad have received normal rainfall.

Delayed Monsoon coupled with a prolonged dry spell has adversely impacted the sowing operations in the state as sowing is down by 3% than the same time of last year. Crop is at the germination to the vegetative stage. Good rainfall is required for further establishment of the crop.



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Delayed Monsoon coupled with a prolonged dry spell has adversely impacted the sowing operations in the state as sowing is down by 3% than the same time of last year.

Acreage Outlook

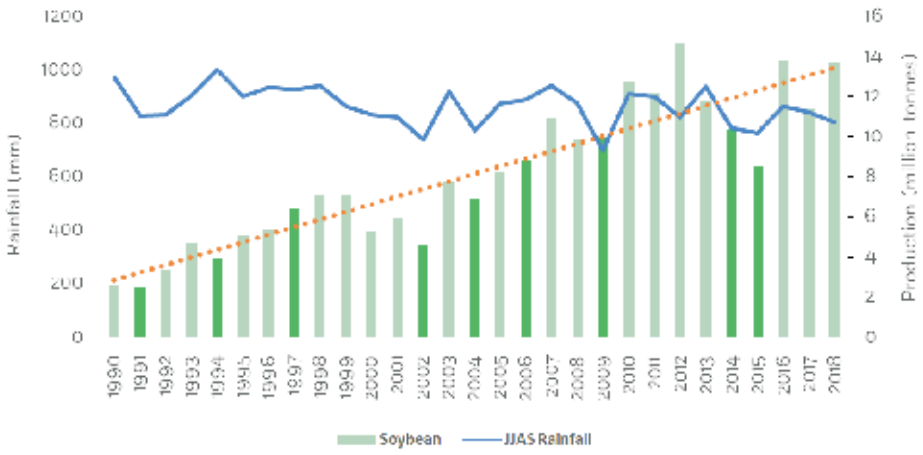
Slow progress of Monsoon over the Soybean growing region, poor rainfall distribution and significant increase in cotton prices had restricted farmers from Soybean sowing initially. However good rains recorded in late July helped to cover the lag and acreages registered a growth of 1% than the same time of last year. Sowing window for Soybean has already closed in July. Skymet doesn't expect any rise in Soybean acreages now, considering the acreages reported by Government on August 23, 2019 as final acreages for the crop for the ongoing season.

Good rains recorded in late July helped to cover the lag and acreages registered a growth of 1% than the same time of last year.

Production Outlook

This year, Soybean sowing has been delayed in almost all states due to delayed Monsoon and scanty rainfall in June and the first fortnight of July. Late sowing has been observed in all key producing states except Rajasthan. In case of Soybean, delay in sowing leads to potential losses in the yields. This may be the case with soybean this year. Crop growth is stunted in many pockets due to the moisture stress in early stages. Now excess rains in few pockets are playing havoc with the standing crops.

In the case of Soybean, yield is linearly related to the amount of water, a plant transpires at the critical stage of flowering to seed fill. This year the crop is already in a precarious state, and, in that case, expectation of good rains at critical stages could not help the crop much.



CORRELATION BETWEEN MONSOON RAINFALL AND SOYBEAN PRODUCTIVITY

This year, Soybean sowing has been delayed in almost all states due to delayed Monsoon and scanty rainfall in June and the first fortnight of July.

8.2

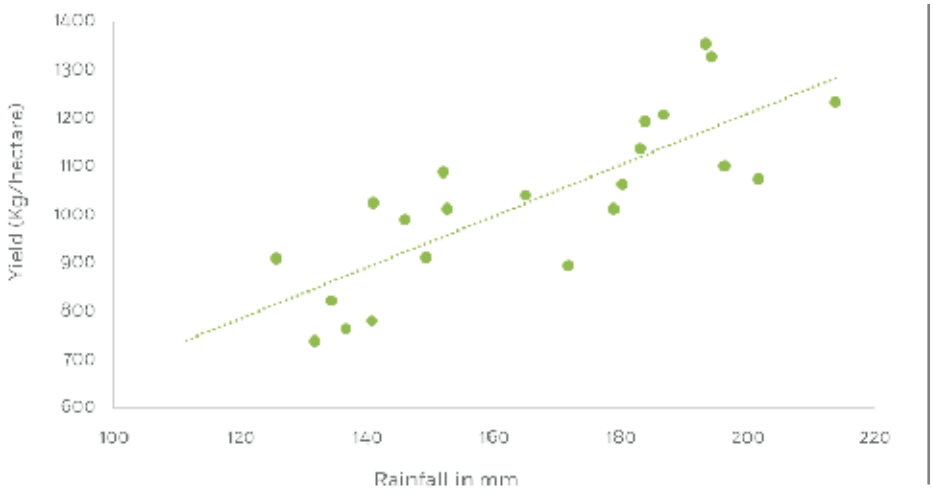
CROP WISE ANALYSIS

SOYBEAN

Looking at the actual rainfall recorded till August 15, it can be inferred that districts in east Madhya Pradesh, Karnataka, Andhra Pradesh and Maharashtra are bearing significant impact of erratic Monsoon. Crop is stunted in few pockets of these states due to moisture stress and reduction in the productivity is likely.

As per the actual rainfall recorded till August 15 and the forecast for the second fortnight of August and September, national average yield of soybean is expected to be around 1066 kilograms per hectare that is down by 46 kilograms per hectare from our previous estimates. Thus, Soybean production is estimated to be around 11.99 million tons (11.25 million hectares), 12.4% lower than last year's production estimates of 13.69 million tons on 10.96 million hectares of area.

Note- Kindly refer Annexure-III for phase wise rainfall recorded and its impact on Soybean.



CORRELATION BETWEEN RAINFALL AND SOYBEAN YIELD

8.3

CROP WISE ANALYSIS

PADDY

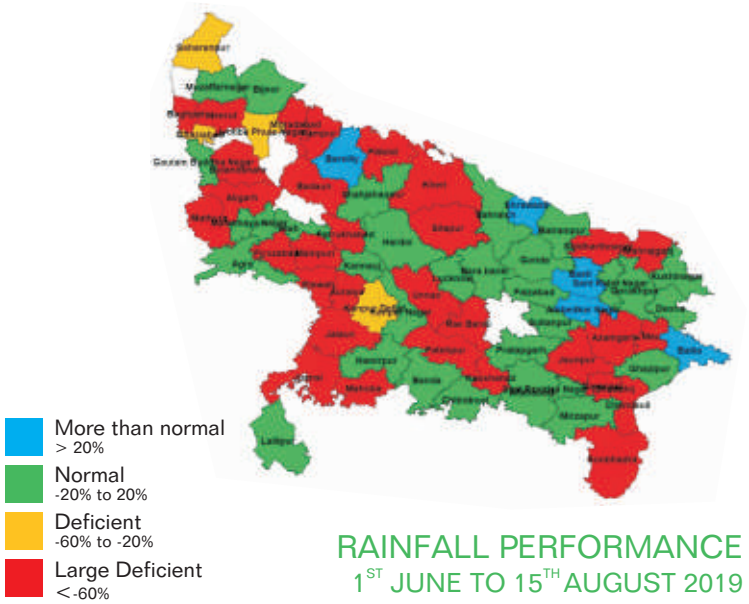
As per the data released by the Ministry of Agriculture on August 23, 2019 Paddy sowing is down by 6% than the same time of last year. So far only 334.92 lakh hectares of area has been covered as against 357.97 lakh hectares sown at the same time last year. This is the lowest acreages that has been reported under Paddy in the last 5 years.

Progressive Area Coverage under Paddy in major producing states as on August 23, 2019

State	Normal Area (million ha.)	August 2019	August 2018	% change over the last year
Uttar Pradesh	58.78	59.89	59.78	0.2
West Bengal	41.19	34.58	39.68	-12.9
Chhattisgarh	38.04	36.27	36.4	-0.4
Odisha	37.25	30.12	32.24	-6.6
Bihar	31.73	24.19	29.59	-18.2
Punjab	29.37	29.2	30.42	-4.0
Madhya Pradesh	20.78	22.08	20.78	6.3
Assam	20.6	16.78	16.35	2.6
Tamil Nadu	16.07	1.49	2.86	-47.9
Jharkhand	15.58	11.04	13.78	-19.9
Andhra Pradesh	15.19	9.31	11.01	-15.4
Maharashtra	14.88	11.46	13.56	-15.5
Haryana	13.35	12.98	12.88	0.8
Others	43.44	35.53	38.64	-8.0
Total	**396.25**	**334.92**	**357.97**	**-6.4**

UTTAR PRADESH

There are seventy districts in Uttar Pradesh where paddy is a dominant Kharif crop. These districts are Bijnaur, Kushi Nagar, Pilibheet, Chandauli, Bagpath, Ambedkar Nagar, Varanasi, Maharajganj, Lakhimpur, Muzaffarnagar, Saharanpur, Jyotibaphulenagar, Shahjajapur, Kanpur, Meerut, Etawah, St. Rabidas Nagar, Auraiya, Muradabad, Mirzapur, Rampur, Bulandshahar, Deoria, Jaunpur, Sultanpur, Mainpuri, Hathras, Ghazipur, Bareilli, Gautambudh Nagar, Faizabad, Farukhabad, Agra, Barabanki, Mathura, Ghaziabad, Gonda, Basti, Azamgarh, Allahabad, Mau, Hardoi, Kannauj, Kabir Nagar, Etah, Kaushambi, Kanpur city, Balia, Fatehpur, Bahraich, Aligarh, Sonbhadra, Pratapgarh, Sitapur, Balrampur, Gorakhpur, Shravasti, Badau, Raibareily, Firozabad, Sidharth Nagar, Lucknow, Unnao, Banda, Mahoba, Chitrakoot, Lalitpur, Hamirpur, Jalaun and Jhansi. Out of these 70 districts, 7 districts have high productivity of around 2500 to 2600 kg/hectare. 29 districts have medium productivity of between 2000 to 2500 kg/hectare. 26 districts have medium to low productivity of between 1500 to 2000 kg/hectare. 5 districts have low productivity between 1000 to 1500 kg/hectare. 3 districts have very low productivity of below 1000 kg/hectare.



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Out of the 70 districts, Bareilly (26%), Shrawasti (56%), Basti (36%), Ambedkar nagar (34%) and Ballia (27%) have recorded excess rainfall. 30 districts, Muzaffarnagar, Bijnaur, Gautam Budhnagar, Mahamayanagar, Etah, Agra, Shahjahapur, Kannauj, Hardoi, Lalitpur, Hamirpur, Banda, Chitrakoot, Bahraich, Barabanki, Lucknow, Balrampur, Gonda, Faizabad, Sultanpur, Pratapgarh, Sant Ravi das Nagar, Allahabad, Mirzapur, Ghazipur, Gorakhpur, Kuchinagar and Deoria have recorded normal rainfall. 31 districts have observed deficient rainfall and these districts are Baghpat (-31%), Meerut (-26%), Bulandshahar (-59%), Aligarh (-48%), Mathura (-50%), Moradabad (-29%), Rampur (-37%), Badaun (-40%),

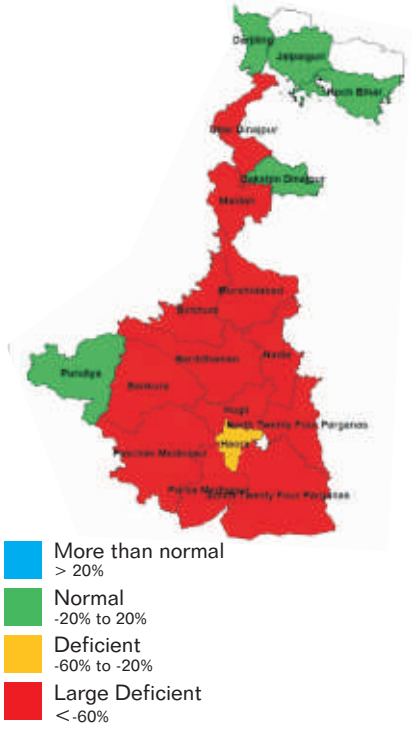
Farukhabad (-34%), Firozabad (-36%), Mainpuri (-47%), Etawah (-28%), Jalaun (-31%), Auraiya (-27%), Jhansi (-31%), Mahoba (-46%), Pilibhit (-54%), Kheri (-32%), Sitapur (-25%), Unnao (-47%), Rai Bareily (-36%), Fatehpur (-49%), Kaushambi (-42%), Siddharthanagar (-26%), Maharajganj (-44%), Mau (-31%), Azamgarh (-44%), Jaunpur (-41%), Varanasi (-24%), Chandauli (-34%) and Sonbhadra (-21%) have received deficient rainfall while Saharanpur (-41%), Ghaziabad (-67%), Jyotibaphule Nagar (-61%) and Kanpur Dehat (-68%) experienced scanty rainfall.

Good rainfall in the first fortnight of August over eastern Uttar Pradesh has boosted the paddy sowing as area sown till date is at par with the area sown at the same time of last year. Some parts of Eastern Uttar Pradesh were affected due to heavy rainfall and floods in late July. These areas adjoin Bihar. High soil moisture was observed in Deoria, Gorakhpur, Ghazipur, Kushinagar, Sant Kabir Nagar, Maharajganj, Mau, & Ballia districts. Approximately 84,161 hectares of agricultural

Good rainfall in the first fortnight of August over Eastern Uttar Pradesh has boosted the paddy sowing as area sown till date is at par with the area sown at the same time of last year.

WEST BENGAL

West Bengal is the second largest rice producing state in the country. There are 18 districts where rice is the main kharif crop. These districts are Burdwan, Birbhum, Nadia, Hooghly, 24 Paragnas N, Murshidabad, Bankura, Malda, Midnapur W, Midnapur E, Dinajpur N, Dinajpur S, Howrah, 24 Paragnas S, Purulia, Coochbehar, Jalpaiguri and Darjeeling. Out of these 18 districts, 4 districts have high productivity of 2500 to 2800 kg per hectare. 9 districts have medium productivity of between 2000 to 2500 kg/hectare. 3 districts have medium to low productivity of between 1500 to 2000 kg/hectare. 2 districts have low productivity between 1000 to 1500 kg/hectare.



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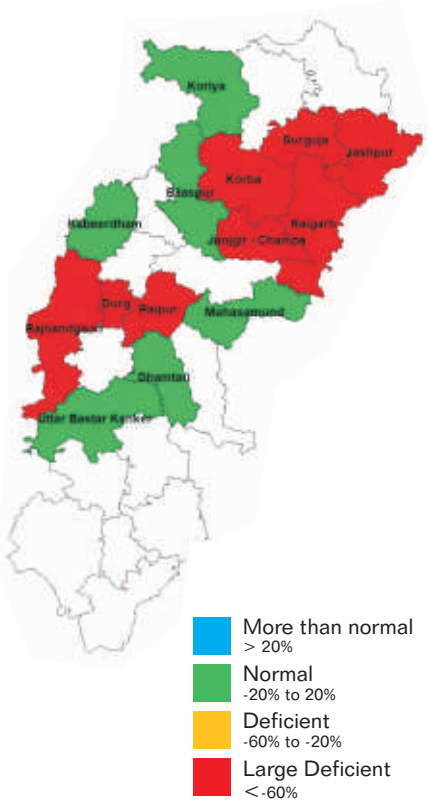
Out of 18 districts, only 5-Darjeeling, Jalpaiguri, Koch Behar, Dakshin Dinajpur and Puruliya have recorded normal rainfall while 12 districts, Uttar Dinajpur (-41%), Maldah (-22%), Murshidabad (-42%), Birbhum (-41%), Nadia (-26%), Barddhaman (-35%), Bankura (-32%), Hugli (-35%), Paschim Medinipur (-29%), Purba Medinipur (-43%), North 24 Parganas (-42%) and South 24 Paragnas (-40%) have recorded deficient rainfall while Howrah (-75%) remained scanty.

The South West Monsoon remained weak over the state, as this year sowing is almost down by 13% than the same time of last year. Uneven and patchy rainfall distribution over the key paddy growing areas have weighed on the transplanting. At the time of writing the report, the West Bengal agriculture department is considering the option of requesting the Centre to declare a drought in some areas as only 77% of the Monsoon crop in the state's rice belt has been brought under cultivation because of the lack of rainfall. The rainfall shortage has been as much as 62% of the expected amount in the rice-producing districts of south Bengal. According to reports available with the Agriculture Department, Howrah is the worst-affected district, receiving 75 per cent less rainfall between June 1 and August 15. Hooghly, Nadia, Birbhum, Bardhhaman and East Midnapur are the five districts that produce almost 65% of the total paddy in the Kharif season in West Bengal and all these districts have experienced an acute shortage of rainfall.

CHHATTISGARH

Chhattishgarh has 16 districts where paddy is mainly grown. These districts are Dhamtari, Janjgir, Bilaspur, Rajnandgaon, Kanker, Korba, Jagdalpur, Surguja, Koriya, Dantewada, Raipur, Jaspur, Durg, Mahasmund, Raygarh and Kabardha. Out of these 16 districts, 1 district has medium to low productivity of between 1500 to 2000 kg/hectare. 9 districts have low productivity between 1000 to 1500 kg/hectare. 6 districts have very low productivity of below 1000 kg/hectare.



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Out of the 16 districts, 6 districts, Koriya, Bilaspur, Kabeerdham, Mahasmund, Dhamatari and Uttar Bastar Kanker have recorded normal rainfall while Surguja (-50%), Jashpur (-42%), Korba (-26%), Raigarh (-22%), Janjgir-Champa (-35%), Durg (-33%), Raipur (-27%) and Rajnandgaon (-20%) have recorded deficient rainfall.

Widespread good rainfall over the state in the first fortnight of August has helped to cover the lag as sowing is almost at par with the same time of last year. So far 36.27 lakh hectares of area has been covered in comparison to 36.4 lakh hectares sown at the same time last year.

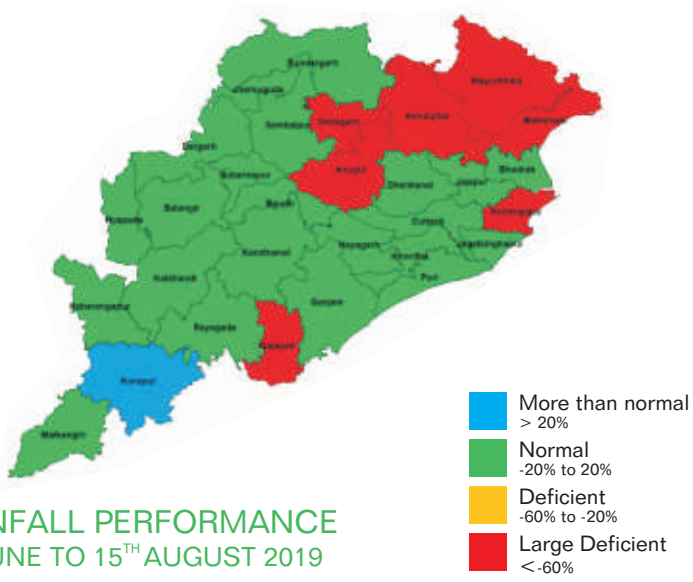
The skewed distribution of rainfall initially and limited sources of irrigation had restricted paddy sowing initially. Currently paddy is in nursery to transplanting stage.

Rainfall over Chhatisgarh, in the month of August, has helped to cover the lag as sowing is almost at par with that of last year.

ODISHA

Odisha has 30 districts where paddy is mainly grown. These districts are Gajapati, Baragarh, Sonepur, Koraput, Nawrangpur, Rayagada, Sambalpur, Khurda, Ganjam, Nayagarh, Bhadrak, Cuttack, Phoolbani, Balasore, Malkangiri, Puri, Kalahandi, Jagatsinghpur, Mayurbhanj, Jharsuguda, Boudh, Dhenkanal, Jajpur, Kendrapara, Keonjhar, Angul, Deoghar, Bolangir, Sundargarh and Nawapara. Out of these 30 districts, 3 districts have medium to low productivity of between 1500 to 2000 kg/hectare. 17 districts have low productivity between 1000 to 1500 kg/hectare. 7 districts have very low productivity of below 1000 kg/hectare.

Out of the 30 key paddy producing districts of Odisha, Korpaut has recorded excess rainfall while 22 districts have recorded normal rainfall and these districts are Malkangiri, Nabrangpur, Rayagada, Kalahandi, Nuapada, Balangir, Kandhamal, Ganjam, Puri, Khordha, Nayagarh, Baudh,



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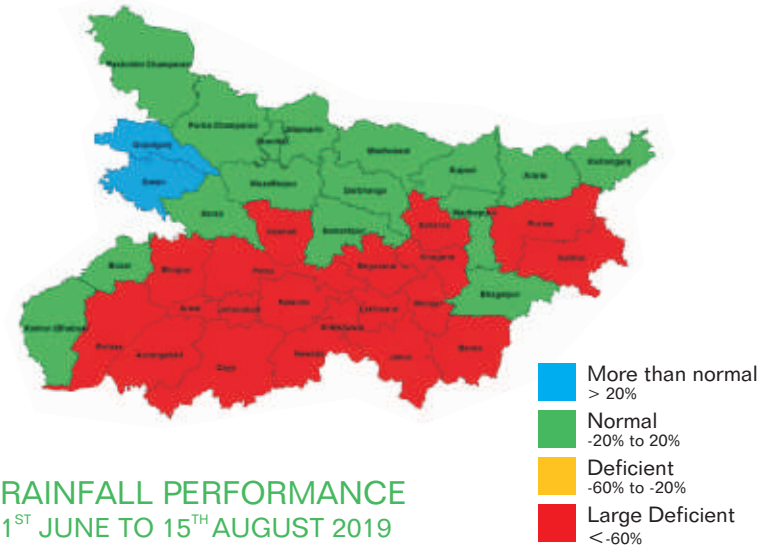
Subarnapur, Bargarh, Sambalpur, Jharsuguda, Sundargarh, Jagatsinghpur, Cuttack, Dhenkanal, Jajapur and Bhadrak have recorded normal rainfall while Gajapati (-25%), Anugul (-23%), Debagarh (-31%), Kendujhar (-24%), Mayurbhanj (-22%) and Baleshwar (-37%) have recorded deficient rainfall.

Sowing is down by 6.6% than the corresponding period of last year as the state is worst hit by weak monsoon rainfall. The coastal districts have experienced normal rainfall while the major non-coastal paddy growing districts are still awaiting good monsoon rainfall. Nursey preparations have not yet started in many districts due to the lack of rainfall and those districts are Ganjam, Kandhamal, Bolangir, Rayagada, Gajapati, Anugul, Mayurbhanj and Kendhujar etc. Paddy transplanting is in full pace in coastal districts like Puri, Kendrapara, Bhadrak, Jagatsinghpur, Cuttack and Jajapur as these have received normal to good rainfall. Early sown paddy is in vegetative stage. Transplanting is in progress wherever good amount of rainfall has been recorded in the first fortnight of August.

BIHAR

Bihar has 37 districts where paddy is grown. These districts are Rohtas, Buxar, Patna, Bhojur, Bhabhua, Aurangabad, West Champaran, Jehanabad, Gaya, Nalanda, Nawada, Munger, Banka, Gopalganj, Siwan, East Champaran, Vaishali, Purnia, Katihar, Madhepura, Shekhpura, Sheohar, Saharsa, Araria, Bhagalpur, Lakhisarai, Kishanganj, Supaul, Muzaffarpur, Madhubani, Jamui, Sitamarhi, Samastipur, Saran, Begusarai, Dharbhanga and Khagaria. Out of these 37 districts, 1 district has high productivity of around 2500 to 2600 kg/hectare. 4 districts have medium productivity of between 2000 to 2500 kg/hectare. 4 districts have medium to low productivity of between 1500 to 2000 kg/hectare. 25 districts have low productivity between 1000 to 1500 kg/hectare. 3 districts have very low productivity of below 1000 kg/hectare.

Out of 37 districts, Paschim



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Champaran (30%), Gopalganj (34%) and Siwan (36%) have recorded excess rainfall. 15 districts-Kaimur (Bhabua), Buxar, Saran, Muzaffarpur, PurbiChamaparan, Sitamarhi, Madhubani, Darbhanaga, Samastipur, Supaul, Madhepura, Araria, Kishanganj, Katihar and Bhagalpur have recorded normal rainfall while Rohtas (-38%), Aurangabad (-30%), Gaya (-33%), Bhojpur (-22%), Vaishali (-30%), Patna (-39%), Jehanabad (-36%), Nalanda (-31%), Nawada (-20%), Sheikhpura (-41%), Jamui (-23%), Lakhisarai (-26%), Begusarai (-54%), Munger (-24%), Banka (-30%), Khagaria (-20%), Saharasa (-28%) and Purnia (-23%) have received deficient rainfall.

North Bihar has recorded good Monsoon showers and South Bihar has received scanty rainfall. There is a downfall of 18% in acreages as compared to the corresponding period of last year. Transplanting is in full swing in North Bihar and has been delayed in South Bihar due to scarcity of water. So far 24.19 lakh hectares have

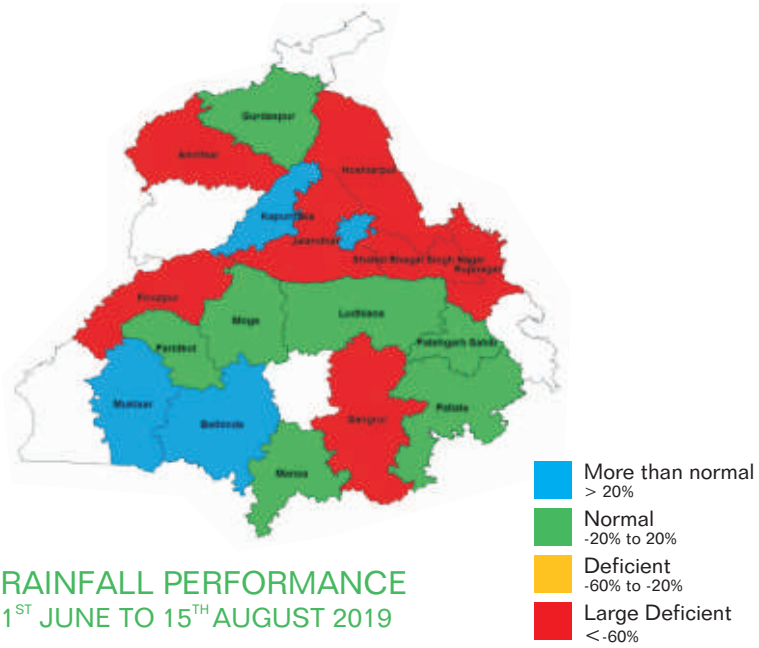
been covered under paddy as compared to 29.59 lakh hectares covered at the same time last year. 11 districts of North Bihar such as Sitamarhi, Sheohar, East Champaran, Muzaffarpur, Madhubani, Darbhanga, Supaul, Purnia, Araria, Katihar and Kishangahj faced floods and as per reports around 50-60% crops of the low-lying area have been submerged and are likely to get damaged completely. These 11 districts together have around 17.58 lakh hectares of land under various Kharif crops. Five rivers of the state Bagmati, Kamla, Balan, Kosi and Gandak flowed above the danger level due to torrential rains in the catchment areas bordering Nepal in last July.

On the other hand, seven districts of South Bihar have been hit by droughts which have adversely impacted the sowing operations in the region. Currently crop is at transplanting to early vegetative stage. Soil moisture is normal to excess in northern parts of Bihar while Southern Bihar is facing normal to deficient soil moisture.

There is a downfall of 18% in acreages as compared to the corresponding period of last year.

PUNJAB

Punjab has 17 districts where paddy is mainly grown- Fatehgarh, Sangrur, Ludhiana, Moga, Ferozepur, Bhatinda, Jalandhar, Kapurthala, Nawanshahar, Faridkot, Patiala, Muktsar, Mansa, Ropar, Amritsar, Hoshiarpur and Gurdaspur. All the districts of Punjab have a very high productivity of around 3000 to 3500 kg per hectare.



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Out of these 17 districts, 3 districts have recorded excess rainfall and these districts are Kapurthala, Muktsar and Bhatinda. 7 districts, Gurdaspur, Faridkot, Moga, Ludhiana, Fatehgarh Sahib, Patiala and Mansa have recorded normal rainfall while Amritsar (-42%), Firozpur (-33%), Jalandhar (-45%), Hoshiarpur (-46%), Shahid Bhagat Singh Nagar, Rupnagar (-20%) and Sangrur (-40%) have recorded deficient rainfall.

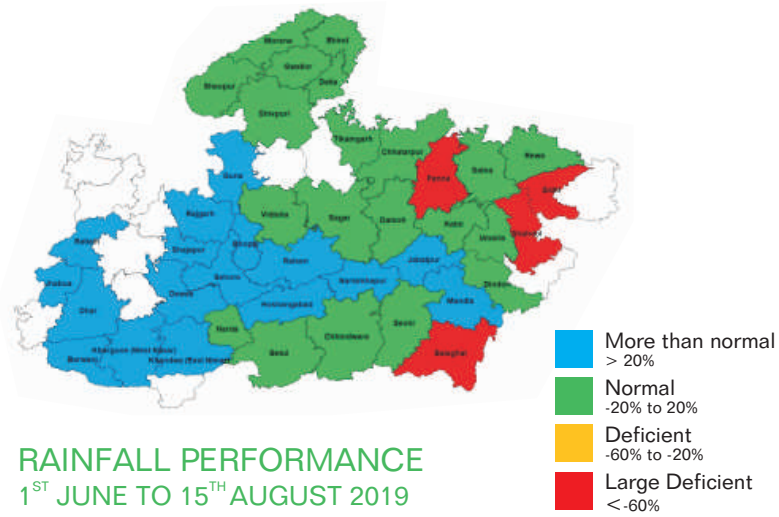
Punjab has a large area under Basmati cultivation. The state is largely irrigated and it's not highly dependent on rainfall for Paddy cultivation. Few districts have witnessed scanty rainfall. Sowing lag is minor and is likely to catch up in days to come. Around 15-20% crop damage is reported from Patiala as water has logged many fields adjacent to a lake whose wall broke due to the high water pressure in late July. Some of the non-basmati areas have also shifted towards cotton. The overall crop is in good condition and at vegetative to tillering stage.

Punjab is not highly dependent on rainfall for Paddy cultivation

MADHYA PRADESH

Madhya Pradesh has 41 districts under paddy cultivation. They are Gwalior, Morena, Sheopur, Bhind, Hosangabad, Harda, Balaghat, Datia, Shivpuri, Narsinghpur, Seoni, Betul, Tikamgarh, Guna, Jabalpur, Khandwa, Shahdol, Chhatarpur, Bhopal, Dindori, Raisen, Shajapur, Sehore, Katni, Damoh, Chindwara, Sagar, Dewas, Ratlam, Rajgarh, Rewa, Siddhi, Madla, Vidisha, Panna, Umariya, Satna, Jhabua, Dhar, Barwani and Khargone. Out of these 41 districts, 2 districts have medium productivity of between 2000 to 2500 kg/hectare. 2 districts have medium to low productivity of between 1500 to 2000 kg/hectare. 6 districts have low productivity between 1000 to 1500 kg/hectare. 31 districts have very low productivity of below 1000 kg/hectare (500 to 700 kg).

Out of the key 41 paddy producing districts, 17 districts named Mandla (21%), Jabalpur (35%), Narsimhapur (39%), Raisen (40%), Hoshangabad (25%), Bhopal (74%), Sehore (48%), Guna (42%), Rajgarh (52%), Shajapur (72%), Dewas (29%), Khandwa (49%), Khargaone (31%), Barwani (59%), Dhar (31%), Jhabua (68%) and Ratlam (60%) have recorded excess rainfall. 20 districts have recorded normal rainfall and these districts are Bhind, Morena, Gwalior, Datia, Sheopur, Shivpuri, Harda, Betul, Chhindwara, Seoni, Tikamgarh, Chhatarpur, Vidihsha, Sagar, Damoh, Rewa, Satna, Katni, Umaria and Dindori. Panna (-30%), Siddhi (-37%), Shahdol (-33%) and Balaghat (-22%) have recorded deficient rainfall.



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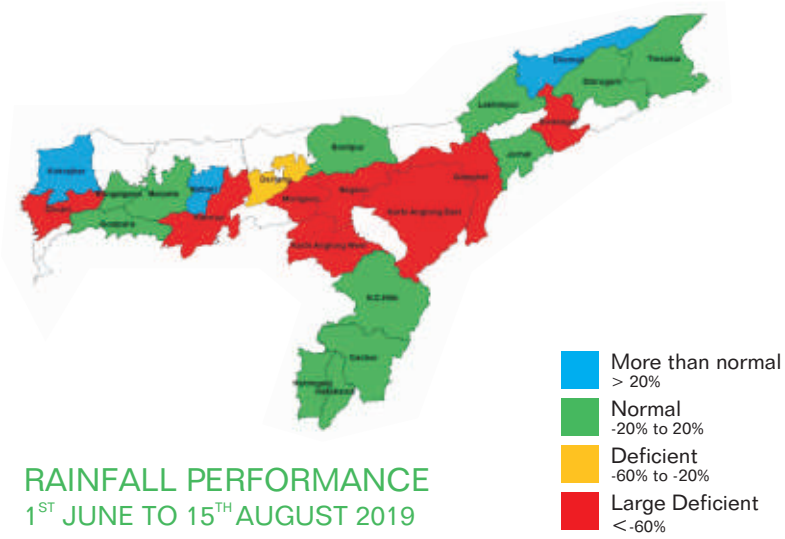
Widespread good rains in the first fortnight of August have boosted the paddy transplanting in the state. Till date, sowing area is up by 6% than the same time of last year. Total area sown till date stands at 22.08 lakh hectares as against 20.78 lakh hectares sown during the corresponding period last year. These rains have also helped in boosting the soil moisture. Crop is mainly at the transplanting stage. Early sown crop of irrigated areas is at the vegetative to the tillering stage.

ASSAM

Assam has 23 districts under paddy cultivation. They are Cachar, Golaghat, Morigaon, Karimganj, Sibsagar, Jorhat, Nagaon, Dibrugarh, N. C. Hills, Hailakandi, Goalpara, Tinsukia, Karbi Anglong, Kamrup, Sonitpur, Dhubri, Dhemaji, Darrang, Barpeta, Nalbari, Kokrajhar, Lakhimpur and Bongaigaon. Out of these 23 districts, 1 district has medium to low productivity of between 1500 to 2000 kg/hectare. 11 districts have low productivity between 1000 to 1500 kg/hectare. 1 district has very low productivity of below 1000 kg/hectare.

Out of the 23 key paddy producing districts, only 3 districts, Kokrajhar (21%), Nalbari (30%) and Dhemaji (51%) have recorded excess rainfall. 12 districts named Tinsukia, Dibrugarh, Jorhat, Lakhimpur, Sonitpur, N.C.Hills, Cachar, Karimgank, Hailakandi, Barpeta, Goalpara and Bongaigaon have recorded normal rainfall. 8 districts,



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Golaghat (-29%), Sivasagar (-35%), KarbiAnglong (-44%), Nagaon (-30%), Morigaon (-36%), Kamrup Rural (-36%) and Dhubri (-22%) have recorded deficient rainfall while Darrang (-81%) has recorded scanty rainfall.

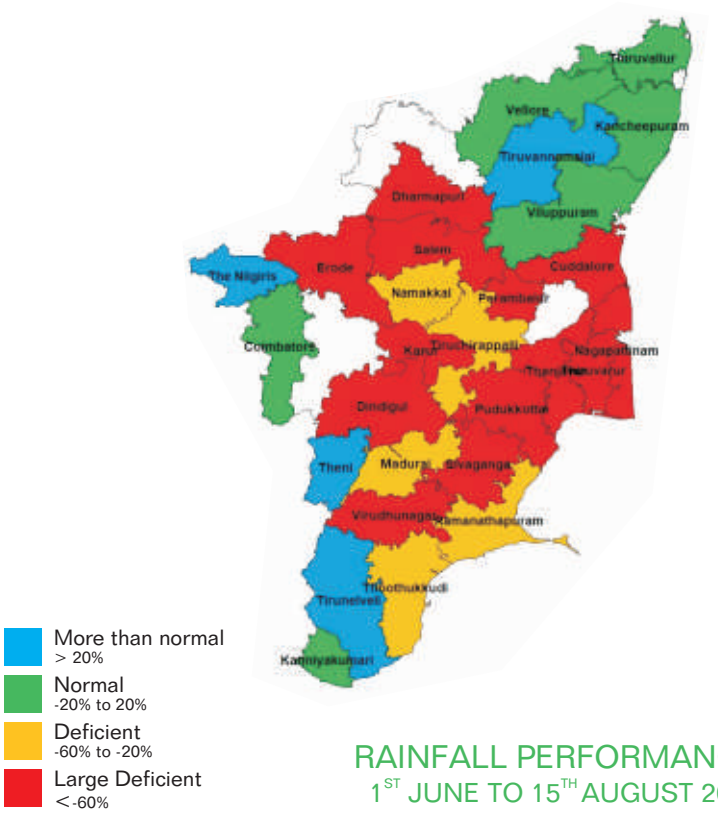
Nalbari, Barpeta, Dhubri, Golaghat, Morigaon, Sonitpur, Udalguri, Kamrup and Nagaon faced flood in late July. The Brahmaputra river overflowed the danger level in Jorhat, Tezpur, Guwahati, Goalpara, Dhubri along with the rivers Burhidehing in Khowang in Dibrugarh district, Subansiri in Badatigath in Lakhimpur, Dhansiri at Numaligarh in Golaghat district, Jia Bharali at Sonitpur, Kopili at Kamrup and Dharamtul in Nagaon. The above nine districts account for 10.96 lakh hectares of land under various kharif crops. Potential crop losses are expected in these districts as the crop here was submerged for about a week.

This year, sowing is up by 2.6% than the same time of last year.

TAMIL NADU

Tamil Nadu have 28 districts under paddy cultivation. These districts are Dindigul, Namakal, Kanyakumari, Erode, Madurai, Thirunelveli, Thiuracharapalli, Thoothkudi, Salem, Thiruvarur, Coimbatore, Theni, Vellore, Cuddalore, Dharampuri, Karur, Villupuram, The Nilgiris, Pudukkottai, Kancheepuram, Thanjabur, Perambalur, T. V. Malai, Thiruvarur, Nagapattinam, Virdhunagar, Shivganga and Ramnathpuram. Out of these 28 districts, 27 districts have very high productivity of around 3000 to 3500 kg per hectare and 1 district has low productivity between 1000 to 1500 kg/hectare.

Out of 28 districts,4 districts, Tiruvannamalai (30%), the Nilgiris (28%), Theni (84%) and Tirunelveli (80%) have recorded excess rainfall. 6 districts, Thiruvallur, Kancheepuram, Vellore, Villupuram, Coimbatore and Kanyakumari have recorded normal rainfall. Dharmapuri (-25%), Erode (-27%), Salem (-38%), Cuddalore (-31%), Perambalur (-46%), Karur (-25%), Dindigul (-55%), Nagapattinam (-56%), Thiruvarur (-47%), Pudukkottai (-43%), Sivganga (-20%) and Virudhunagar (-24%)have recorded deficient rainfall. Namakkal (-77%), Tiruchirappalli (-75%), Madurai (-60%) and Ramanathapuram (-63%) have recorded scanty rainfall.



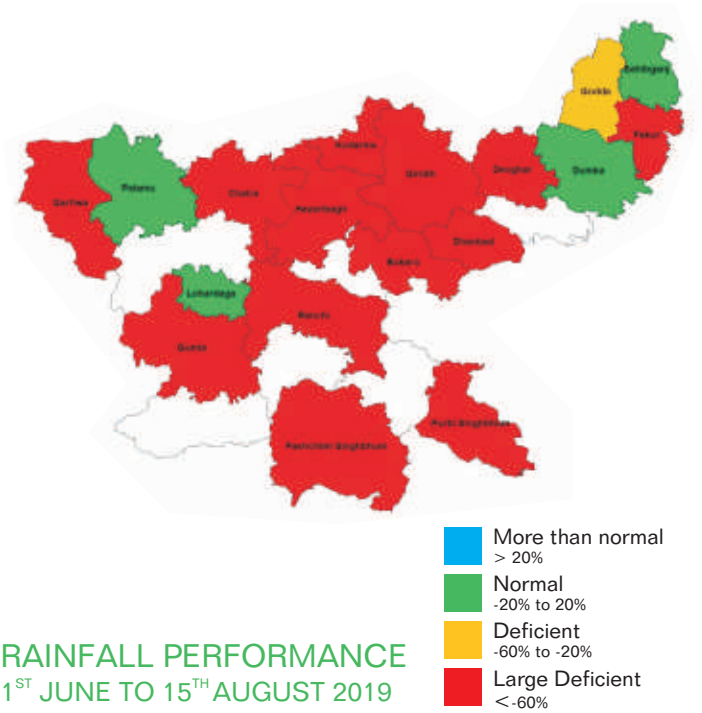
RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

The state has been reeling under severe drought since last year. The absence of active Monsoon showers over the state is the main cause of lower paddy transplantation. Transplantation is 48% lower than the same time of last year. Except a few districts of Northern Tamil Nadu, the entire state has witnessed patchy rainfall. Sowing may increase with the increase of Monsoon

JHARKHAND

Jharkhand has 18 districts under paddy cultivation. These districts are Sahebganj, Pakur, Dumka, Deogarh, Giridih, Ranchi, Hazaribagh, Kodarma, Dhanbad, Bokaro, Chatra, Godda, Lohardagga, Singhbhum E, Palamu, Gumla, Garba and Singhbhum W. Out of these 18 districts, 1 district has medium to low productivity of between 1500 to 2000 kg/hectare. 10 districts have low productivity between 1000 to 1500 kg/hectare. 7 districts have very low productivity of below 1000 kg/hectare.

Out of the 18 key paddy producing districts, Sahibganj, Palamu, Dumka and Lohardagga have recorded normal rainfall. Pakur (-41%), Deoghar (-31%), Girdih (-26%), Dhanbad (-23%), Kodarma (-20%), Chatra (-43%), Hazaribagh (-39%), Bokaro (-33%), Ranchi (-38%), Garhwa (-51%), Gumla (-35%), Paschim Singhbhum (-40%) and Purbi



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

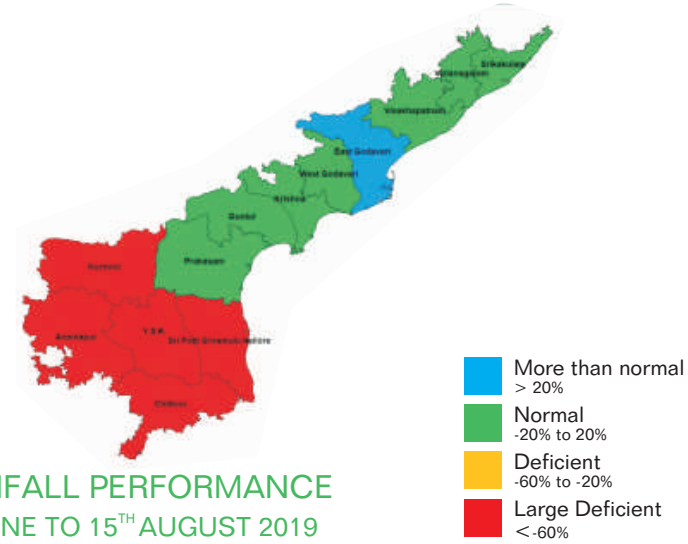
Singhbhum (-23%) have recorded deficient rainfall while Godda (-61%) has recorded scanty rainfall.

This is the second consecutive year when the state is witnessing low rainfall. Nursery preparations have not commenced in many pockets due to the unavailability of rains. Giridh, Hazaribagh, Dumka, Puri and Paschim Singhbhumi, Bokaro, Gumla are worst hit by scanty rainfall. The Government is considering declaring a drought in the state and has directed authorities to take necessary measures as per drought situation. Sowing is down by more than 20% than the corresponding period of last year. Even the sown crop is in dire need of water. Good widespread rainfall showers are required for further sowing and establishment of the standing crop.

ANDHRA PRADESH

Andhra Pradesh has 22 districts under paddy cultivation. These districts are West Godavari, Guntur, Karimnagar, Krishna, Prakasam, East Godavari, Kurnool, Nellore, Nalgonda, Nizamabad, Anantpur, Warrangal, Cuddapah, Khammam, Medak, Chittor, Rangareddy, Adilabad, Mehboobnagar, Vizianagram, Srikakulum and Vishakapatnam. Out of these 22 districts, 4 districts have very high productivity between 3000 to 3500 kg per hectare. 10 districts have high productivity of between 2500 to 3000 kg/hectare. 5 districts have medium productivity of between 2000 to 2500 kg/hectare. 2 districts have medium to low productivity between 1500 to 200 kg/hectare. 1 district has low productivity of below 1500 kg/hectare.

Out of the 22 key paddy producing districts, only East Godavari (30%) has recorded excess rainfall. Srikakulum, Vizianagram, Vishakhapatnam, West Godavari, Krishna, Guntur and Prakasamhave recorded normal rainfall. Kurnool (-30%), Ananthpur (-41%), Cuddpah (-47%), and Chittor (-25%) have recorded deficient rainfall.



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

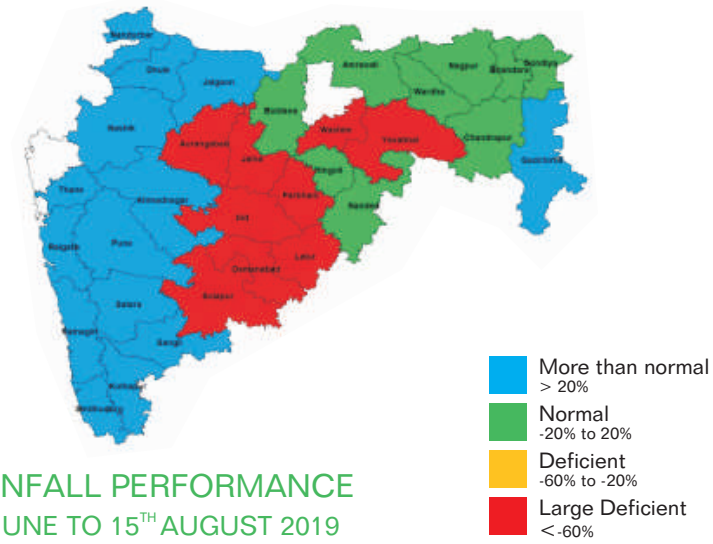
So far, Monsoon has been very weak over the state. Prolonged dry spells have adversely impacted the Paddy cultivation in the state. As per the reports, farmers in Coastal districts are adopting two methods, one is direct sowing method and another is nursery sowing and transplanting. Farmers had been sowing seeds, but lack of proper rainfall till the first fortnight of July caused the decay of more than 80% of the seeds. Delayed rainfall has also hit the Krishna Delta region also known as the rice bowl of Andhra Pradesh. Due to scarcity of water in Godavari basin, water could not be released for paddy cultivation. Good rainfall recorded in the first fortnight of August has helped in paddy transplantation but sowing is still down by more than 20% than the same time of last year. Rayalaseema continued to record deficient rainfall so farmer in this region has opted for less water intensive crops such as groundnut, maize and red gram.

Heavy inflow of water from the upper streams of Krishna, Godavari and Tungabhadra rivers have caused flood like situation in East Godavari, West Godavari and Kurnool. Inundation has been caused in the fields along the river belts. Inundation is likely to benefit the farmers wherever water is required for transplanting and further crop development.

MAHARASHTRA

Maharashtra has 32 districts under paddy cultivation. These districts are Sangli, Sindhudurg, Kolhapur, Raigarh, Ratnagiri, Thane, Satara, Pune, Bhandara, Solapur, Chandrapur, Gondia, Gadchirali, Nagpur, Jalgaon, Ahmadnagar, Nashik, Yavatmal, Buldhana, Nanded, Dhule, Latur, Hingoli, Amravati, Jalna, Wardha, Aurangabad, Osmanabad, Beed, Washim, Parbhani and Nandurbar. Out of these 32 districts, 5 districts have medium productivity of between 2000 to 2500 kg/hectare. 4 districts have medium to low productivity of between 1500 to 2000 kg/hectare. 1 district has medium to low productivity between 1500 to 2000 kg/hectare. 11 districts have low productivity of between 1000 to 1500 kg/hectare and 15 districts have very low productivity of below 1000 kg per hectares.

Out of 32 districts, 14 districts, Gadchiroli (27%), Nandurbar (75%), Dhule (67%), Jalgaon (21%), Nashik (84%), Thane (59%), Ahmadnagar (28%), Pune (133%), Raigarh (45%),



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

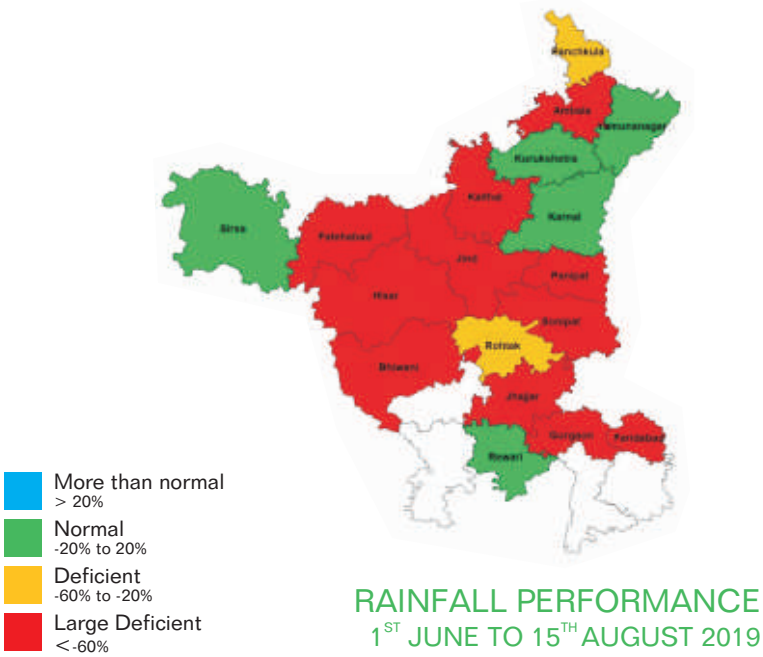
Satara (73%), Sangli (52%), Ratnagiri (38%), Kolhapur (73%) and Sindhudurg (37%) have recorded excess rainfall. 9 districts, Gondiya, Bhandara, Nagpur, Amravati, Wardha, Chandrapur, Buldhana, Hingoli and Nanded have recorded normal rainfall. Yavatmal (-28%), Washim (-26%), Jalna (-24%), Parbhani (-28%), Bid (-42%), Latur (-29%), Osmanabad (-21%) and Solapur (-42%) have recorded deficient rainfall.

In Maharashtra, Paddy is mainly cultivated in Konkan and Eastern Vidarbha region. The Konkan region has recorded excess rainfall while Eastern Vidarbha region has received uneven distribution of rainfall which is not helpful in case of paddy. The Western Maharashtra region (Kolhapur, Pune, Nashik and Part of Ahmednagar) also has some acreages under paddy. Although these regions have received some excess rainfall, but the distribution of rainfall was in line with the requirements of paddy transplanting. Acreages are down by more than 15% than the corresponding period of last year. Heavy rainfall recorded in the first fortnight of August has facilitated the paddy transplanting in Konkan and Vidarbha regions as the congenial conditions required for transplanting are prevailing.

HARYANA

Haryana has 18 districts under paddy cultivation. They are Kurukshetra, Panchkula, Fatehabad, Ambala, Sirsa, Yamuna Nagar, Karnal, Bhiwani, Gurgaon, Faridabad, Rewari, Kaithal, Hisar, Panipat, Jind, Sonepat, Jhajjar and Rohtak. Out of these 18 districts, 7 districts have high productivity of above 2500 kg per hectare. 7 districts have medium productivity of 2000 to 2500 kg per hectare. 2 districts have medium to low productivity of 1500 to 2000 kg per hectares. 2 districts have low productivity of 1000 to 1500 kg per hectares.

Out of the 18 key paddy producing districts, Yamunanagar, Karnal, Kurukshetra, Sirsa and Rewari have recorded normal rainfall. Ambala (-31%), Kaithal (-52%), Fatehabad (-58%), Jind (-39%), Hissar (-33%), Bhiwani (-31%), Panipat (-50%), Sonipat (-41%), Jhajjar (-44%), Gurgaon (-30%) and Faridabad (-31%) have recorded deficient rainfall while Panchkula (-71%) and Rohtak (-62%) have recorded scanty rainfall.



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

The Government of Haryana is discouraging paddy cultivation due to the depletion of groundwater level. The Government is encouraging farmers to sow alternate crops such as Maize and Pulses which are less water intensive. In order to save ground water, Government had banned paddy transplantion before June 15. Restriction on plantation coupled with lower rainfall has resulted in less area coverage than the normal however mild increase in area has been noticed than the same time of last year. As per reports, some of non-basmati area has been shifted to other kharif crops such as cotton. Transplanting is almost complete in the state. Crop is reportedly healthy and is in vegetative to tillering stage.

Acreage Outlook

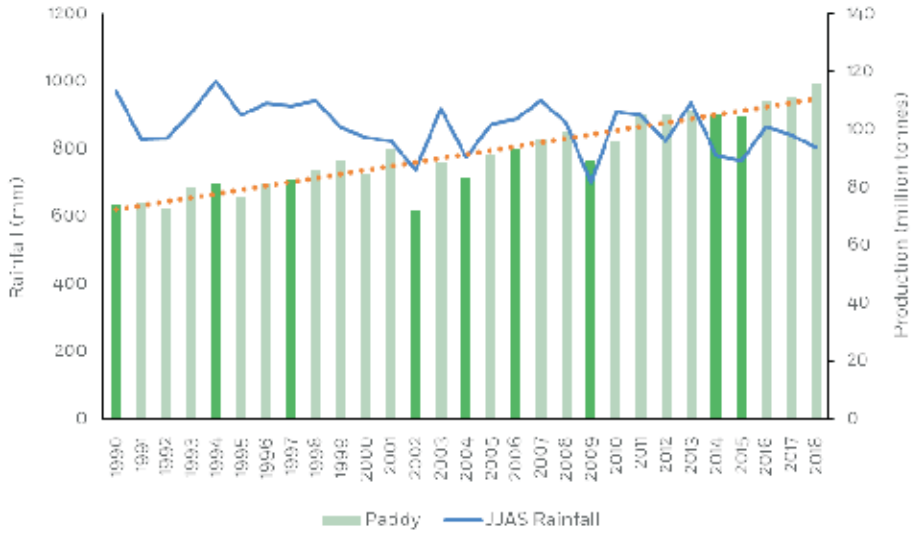
This year, paddy transplanting has been delayed in almost all states due to delayed Monsoon and scanty rainfall in the June and first fortnight of July. Transplanting is still going on and expected to continue till end of August. Now good rains have been recorded during the first fortnight of August and this is expected to continue in the second fortnight of August as well and this will augment rice sowing in all states. Looking at the forecast Monsoon conditions for key rice producing states, it is expected that this year rice acreages may go down by 2% (at all India level) than the final acreages of last year. Acreages may stand at 37.65 million hectares as against the final acreages of 38.41 million hectares of last year.

Looking at the forecast for Monsoon conditions for key rice producing states, it is expected that this year rice acreages may go down by 2% (at all India level) than the final acreages of last year.

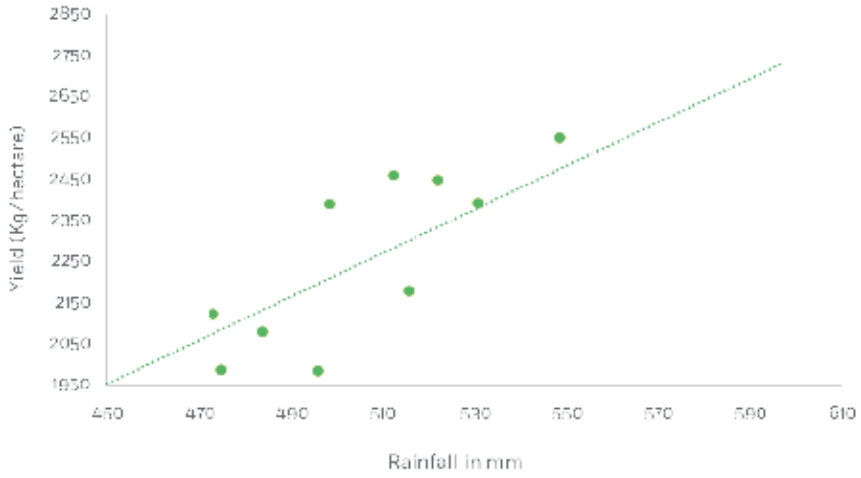
Production Outlook

Water is very critical in case of rice and growth of rice plant in relation to water management can be divided into four periods viz., seedling, vegetative, reproductive and ripening. The most critical stage is the flowering stage when maximum amount of water is required. Stress during this phase may impair all yield components and can cause severe reduction in yield.

As per the actual rainfall recorded and the forecast for August and September, it is expected that productivity will be adversely impacted in a few pockets of Madhya Maharashtra, Vidarbha, Orissa, Tamil Nadu, North and West Madhya Pradesh and Eastern Gujarat as water may



CORRELATION BETWEEN MONSOON RAINFALL AND PADDY PRODUCTIVITY



CORRELATION BETWEEN RAINFALL AND PADDY YIELD

not be available at the stages (due to late sowing) which are most susceptible to water.

As per the actual rainfall recorded till August 15 and looking at forecast Monsoon conditions for the second fortnight of August and September, national average yield of Paddy is expected to be around 2355 kilograms per hectare that is 190 kilograms per hectare less than our previous estimates. Thus, rice production is estimated to be around 88.66 million tons on 37.65 million hectares that will be around 13% down from the last year's Kharif production estimates of 101.96 million tons on 38.42 million hectares of area.

Note- Kindly refer Annexure-IV for phase wise rainfall recorded and its impact on Paddy

As per the actual rainfall recorded and the forecast for August and September, it is expected that productivity will be adversely impacted in a few pockets of Madhya Maharashtra, Vidarbha, Orissa, Tamil Nadu, North and West Madhya Pradesh and Eastern Gujarat.

8.4

CROP WISE ANALYSIS

PULSES

As per the data released by the Ministry of Agriculture on August 23, 2016, the sowing of pulses is down by 3% than the same time of last year. So far 124.56 lakh hectares of area has been covered as against 128.53 lakh hectares covered at the same time last year. Highest fall of 7% in acreages is reported from Maharashtra followed by Madhya Pradesh and Karnataka which have a reported fall of 4.5%. A rise of 2% in acreages is reported from Uttar Pradesh as good rainfall recorded during the first fortnight of August has facilitated the sowing. Lower sowing is attributed to the vagaries of Monsoon. Delayed onset, prolonged dry spell and the uneven distribution largely impacted the entire pulses sowing. Moong bean and Urad bean have reported lower sowing area as compared to same time of last year while Arhar has registered a mild increase in area over the same time of last year.

Monsoon Performance and Outlook of major pulses growing states

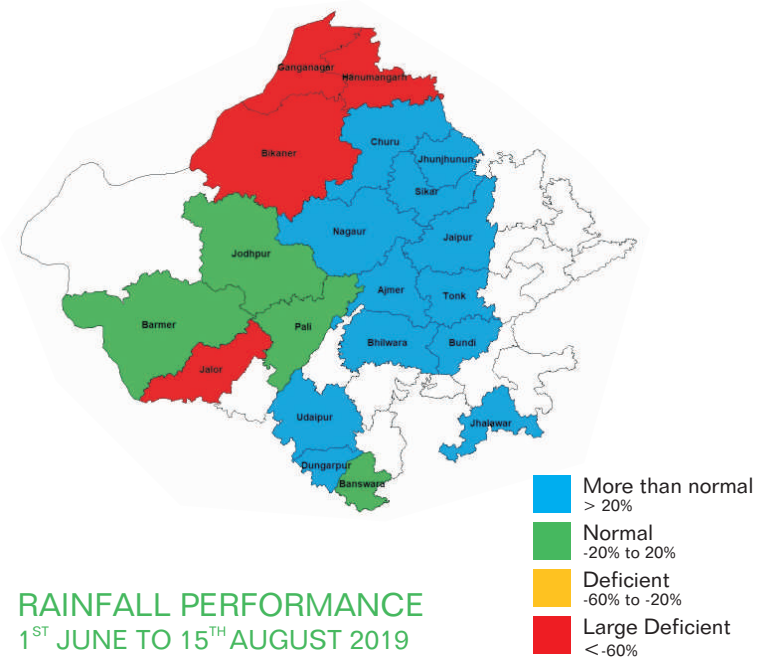
Rajasthan, Maharashtra, Madhya Pradesh, Karnataka and Uttar Pradesh are the key pulses producing states in the country.

Progressive Area Coverage under Pulses in major producing states as on August 23, 2019

State	Normal Area (million ha.)	August 2019	August 2018	% change over the last year
Rajasthan	28.85	35.10	34.30	2.35
Maharashtra	20.61	18.92	20.32	-6.88
Madhya Pradesh	18.47	22.07	23.14	-4.62
Karnataka	14.68	15.15	15.87	-4.54
Uttar Pradesh	8.86	11.19	10.98	1.97
Others	28.43	22.12	23.93	-7.56
Total	**119.89**	**124.56**	**128.53**	**-3.09**

RAJASTHAN

Rajasthan has the major area under Kharif pulses production. There are 20 key districts where pulses are grown in Rajasthan. These districts are Ajmer, Jaipur, Tonk, Sikar, Jhunjhunun, Nagaur, Bikaner, Churu, Ganganagar, Hanumangarh, Barmer, Jodhpur, Jalore, Pali, Bundi, Jhalawar, Banswara, Dungarpur, Udaipur and Bhilwara.



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Out of the key 20 Pulses producing districts, 12 districts have recorded excess rains and these districts are Churu (27%), Jhunjhunun (68%), Sikar (88%), Nagaur (31%), Jaipur (46%), Ajmer (70%), Tonk (38%), Bundi (73%), Bhilwara (52%), Udaipur (35%), Dungarpur (37%) and Jhalawar (46%). 4 districts namely Jodhpur, Barmer, Pali and Banswara have recorded normal rainfall while 4 districts, Ganganagar (-24%), Hanumangarh (-28%), Bikaner (-25%) and Jalor (-22%) have received deficient rainfall.

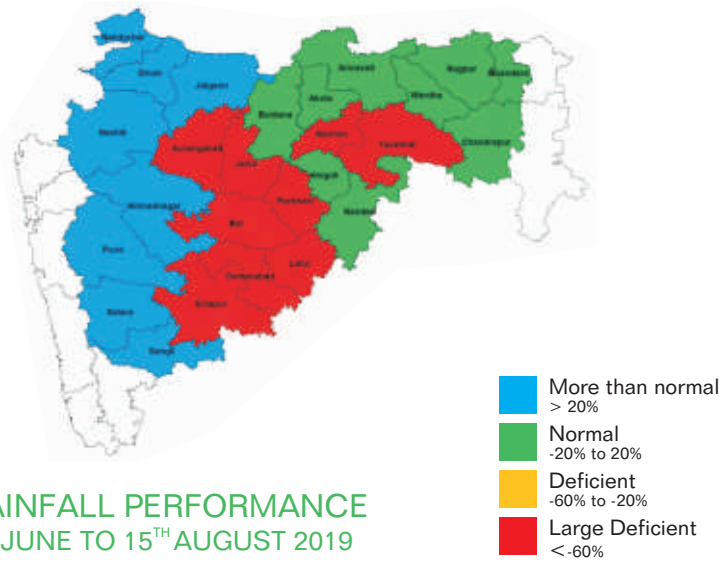
Moong and Urad are the two main pulses that are grown in Rajasthan and this year, area under Pulses cultivation is up by 2% than the same time of last year owing to good Monsoon showers over the state. Rajasthan enjoys the first place in the production of Moong. Nagaur, Jodhpur, Churu, Jalore, Pali, Tonk, Ajmer and Jaipur are the main moong growing districts and except Jalore, all other districts have recorded very good rainfall. Crop is reportedly healthy across all districts.

The Urad crop is sown in Kota, Baran, Bundi, Bhilwara, Tonk and Sawai Madhopur. Active sowing has been witnessed in these districts, as sowing targets were met in July itself. Active sowing was due to good rainfall in the region. Currently crop is at vegetative stage. Excess rainfall recorded in the first fortnight of August has created inundation in few pockets but there has been no report of substantial crop damage from any pocket.

MAHARASHTRA

Maharashtra is the second state which has highest area under Kharif pulses in the country. There are 26 districts where Kharif pulses is grown. These districts are Nasik, Dhule, Nandurbar, Jalgaon, Ahmednagar, Pune, Solapur, Satara, Sangli, Aurangabad, Beed, Latur, Jalna, Osmanabad, Nanded, Parbhani, Hingoli, Buldhana, Akola, Washim, Amravati, Yavatmal, Wardha, Nagpur, Bhandara and Chandrapur.

Out of 26 Pulses producing districts, 8 districts namely Nandurbar (75%), Dhule (67%), Jalgaon (21%), Nashik (84%), Ahmadnagar (28%), Pune (133%), Satara (73%) and Sangli (52%) have recorded excess rainfall. 9 districts have recorded normal rainfall and these districts are Bhandara, Nagpur, Wardha, Chandrapur, Amravati, Akola, Buldhana, Hingoli and Nanded. 9 districts have recorded deficient rainfall and these districts are Yavatmal (-28%), Washim (-26%), Jalna (-24%), Parbhani (-28%), Bid (-42%), Latur (-29%), Osmanabad (-21%) and Solapur (-42%).



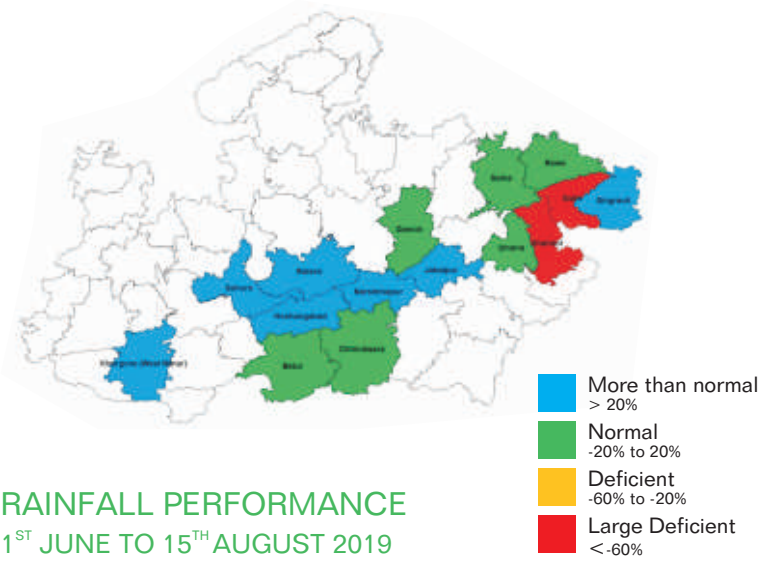
RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Maharashtra is the leading red gram (Tur) cultivating state. Timely sowing is mandatory in case of Tur, as delay in sowing leads to substantial losses in yield. Red gram with its deep root system can withstand moisture deficit for a long time. Marathwada and Vidarbha region are the key Tur growing belts. Delayed arrival of Monsoon over the state led to a delay in sowing. Tur in Maharashtra is mainly intercropped with Soybean, Cotton and other short-term crops. Currently crop in Vidarbha region is in better condition as compared to Marathwada region. Initial deficient rainfall in major growing regions of Latur, Osmanabad, Nanded and Parbhani has resulted in lower sowing. This year sowing is down by 7% than the same time of last year. So far only 18.92 lakh hectares have been covered as against 20.32 lakh hectares sown at the same time last year. Currently crop is in germination to vegetative stage. Good rainfall is required in Marathwada region for further establishment of the crop.

MADHYA PRADESH

Madhya Pradesh has 15 districts under pulses (Urad) cultivation. They are Jabalpur, Chhindwara, Narsighpur, Damoh, Rewa, Siddhi, Singroli, Satna, Shahdol, Umaria, Khargone, Sehore, Raisen, Hoshangabad and Betul.

Out of these 15 districts, 7 districts have recorded excess rainfall and these districts are Singrauli (29%), Jabalpur (35%), Narsimhapur (39%), Raisen (40%), Sehore (48%), Hoshangabad (25%) and Khargaone (31%). 6 districts:Rewa, Satna, Umaria, Damoh, Chhindwara and Betul have recorded normal rainfall while Sidhi (-37%) and Shahdol (-33%) have recorded deficient rainfall.



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Delayed onset coupled with uneven distribution has adversely affected the sowing and sowing is down by 4.6% than the same time of last year. In the case of pulses, delayed sowing leads to substantial losses in yield and more susceptible to pest and disease infestation. During the first fortnight of August, widespread good rainfall has been recorded over the state and that has improved the soil moisture condition which is good for the crop. Currently crop is at the vegetative to flowering stage. Crop is reportedly healthy.

Sowing is down by 4.6% as compared to last year due to delayed and uneven Monsoon

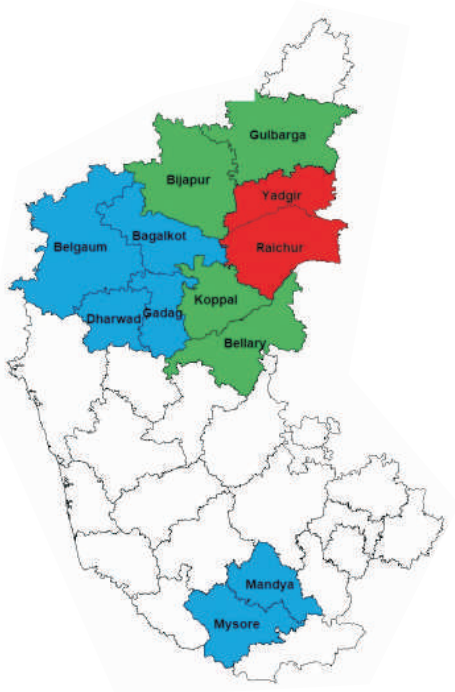
KARNATAKA

Karnataka has 12 districts where pulses is mainly grown. These districts are Bagalkote, Belgaum, Bellary, Bijapur, Dharwad, Gadag, Gulbarga, Koppal, Mandya, Mysuru, Raichur and Yadgir. Red Gram (Tur) is grown in the North Karnataka region adjacent to the red gram growing belt of Marathwada.

Gulbarga is the biggest producer of Red Gram. Chitradurga and Tumkur in Central Karnataka are the other Red gram growing districts.

Out of these 12 districts, 6 districts named Bagalkot (43%), Belgaum (126%), Dharwad (70%), Gadag (64%), Mandya (32%) and Mysuru (91%) have recorded excess rainfall while Gulbarga, Bijapur, Koppal and Bellary have received normal rainfall. 2 districts, Yadgir (-24%) and Raichur (-29%) remained deficient.

Sowing has picked up after rains received in the second fortnight of July but still a lag of 4.5% is maintained when compared to the same time last year. Sowing is almost complete in Raichur and Yadgir. Sowing window of the crop is closed. Recent good rains are beneficial for the crop.



More than normal
> 20%

Normal
-20% to 20%

Deficient
-60% to -20%

Large Deficient
<-60%

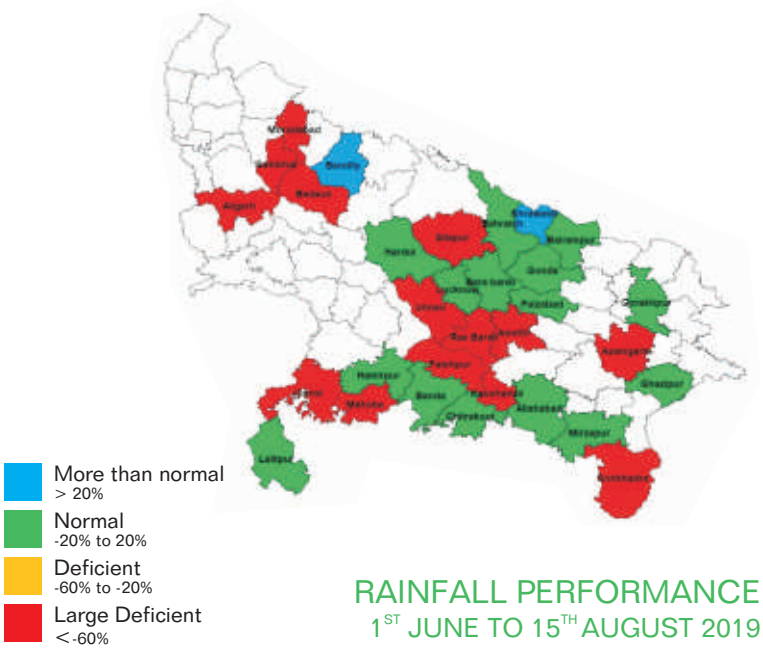
RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Sowing window of the crop is closed. Recent good rains are beneficial for the crop.

UTTAR PRADESH

Uttar Pradesh has 28 districts where kharif pulses (Urad) are grown. These districts are Badaun, Bareily Divison, Sambhal, Moradabad Division, Fatehpur, Allahabad Division, Lalitpur, Jhansi division, Hamirpur, Mahoba, Chitrakoot division, Mahoba, Rai Bareily, Sitapur, Hardoi, Lucknow division, Barabanki, Faizabad division, Aligarh division, Kaushambi, Banda, Gazipur, Mirzapur, Sonbhadra, Azamgarh division, Gorakhpur division, Amethi and Devi Patan division.

Out of the 28 districts, 2 districts namely Bareily (26%) and Shrawasti (56%)have recorded excess rainfall. 15 districts, Lalitpur, Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Ghazipur, Gorakhpur, Balrampur. Gonda, Faizabad,



RAINFALL PERFORMANCE
1ST JUNE TO 15TH AUGUST 2019

Bahraich, Barabanki, Lucknow and Hardoi have recorded normal rainfall. 14 districts, Sonbhadra (-21%), Azamgarh (-44%), Sitapur (-25%), Unnao (-47%), Rai Bareily (-36%), Amethi (-29%), Fatehpur (-49%), Kaushambi (-42%), Jhansi (-31%), Mahoba (-46%), Moradabad (-29%), Sambhal (-41%), Badaun (-40%) and Aligarh (-48%) have recorded deficient rainfall.

Most of the major Urad growing districts have recorded good rainfall thus facilitating the sowing operations. So far sowing is up by 2% than the same time of last year. Crop is at vegetative to flowering stage. Rainfalls are required for the further development of the crop.

Acreage Outlook

Delayed onset and scanty rainfall over key pulses producing states have delayed sowing. Sowing is down by more than 3% than the same time of last year as per the report released by the Ministry of Agriculture. Sowing window for pulses has already closed but sowing is still going on in the few pockets of Karnataka as good rains have been recorded over the state during the first fortnight of August. As sowing window of the crop is already over, Skymet does not expect much area coverage under

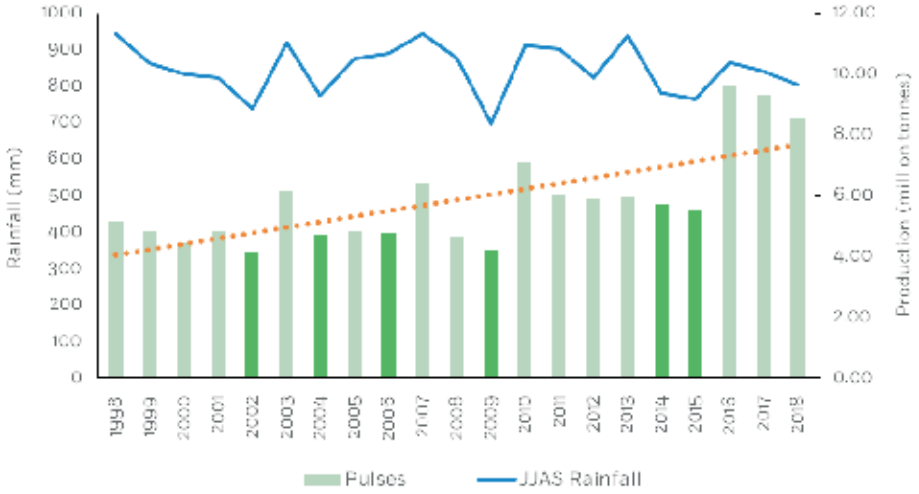
Pulses in other states. Considering all the factors, it is expected that this year acreages under Pulses may go down by 3% (at all India level) than the final acreages of last year. Acreages may stand at 13.12 million hectares as against the final acreages of 13.55 million hectares of last year.

It is expected that this year acreages under Pulses may go down by 3% (at all India level) than the final acreages of last year.

Production Outlook

Sowing of Pulses is delayed in almost every state, but the impact of delayed sowing has no impact on the productivity so far as most of the sowing has been done within the stipulated sowing window. Pulses require maximum water at flowering to pod formation. Early sown crop is at full vegetative to flowering stage. Good rains recorded during the first fortnight has provided good soil moisture that is quite beneficial for the crop.

As per the actual rainfall recorded till August 15 and the forecast for second fortnight of August and September, productivity is likely to be good in all states. As per the current situation, the national average yield of pulses is expected to be around 650 kilograms per hectare, that is 17 kilograms per hectares higher than the last year yield

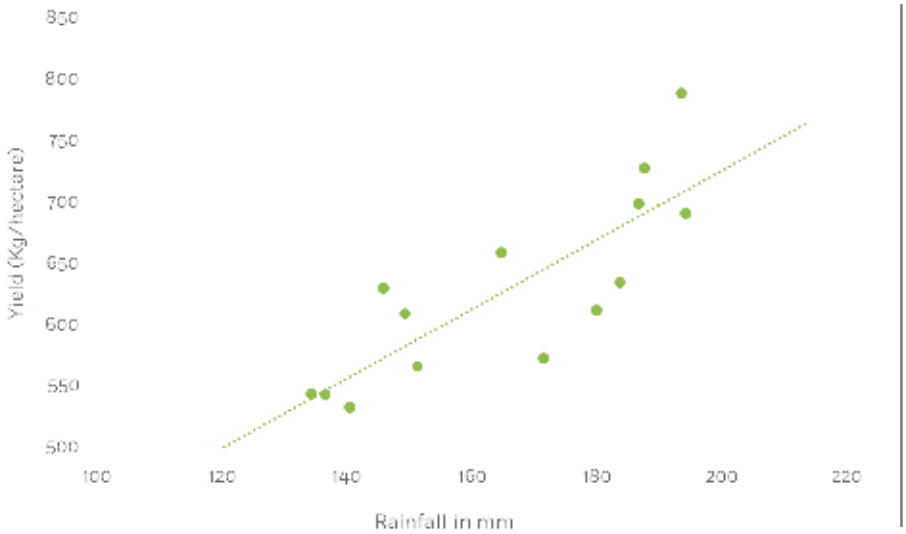


CORRELATION BETWEEN MONSOON RAINFALL AND PULSES PRODUCTIVITY

The crop has benefitted from the good soil moisture provided by the first fortnight rains

of 633 kilograms per hectares. Thus, pulses production is estimated to be around 8.53 million tons (13.12 million hectares) that will be around 0.5% down from the last year's Kharif production estimates of 8.59 million tons (13.55 million hectares).

Note- Kindly refer Annexure-5 for phase wise rainfall recorded and its impact on Pulses



CORRELATION BETWEEN RAINFALL AND PULSES YIELD

9 ANNEXURES

Annexure-I
Annexure-II
Annexure-III
Annexure-IV
Annexure-V

skymet

Kharif Crop Outlook 2019/20

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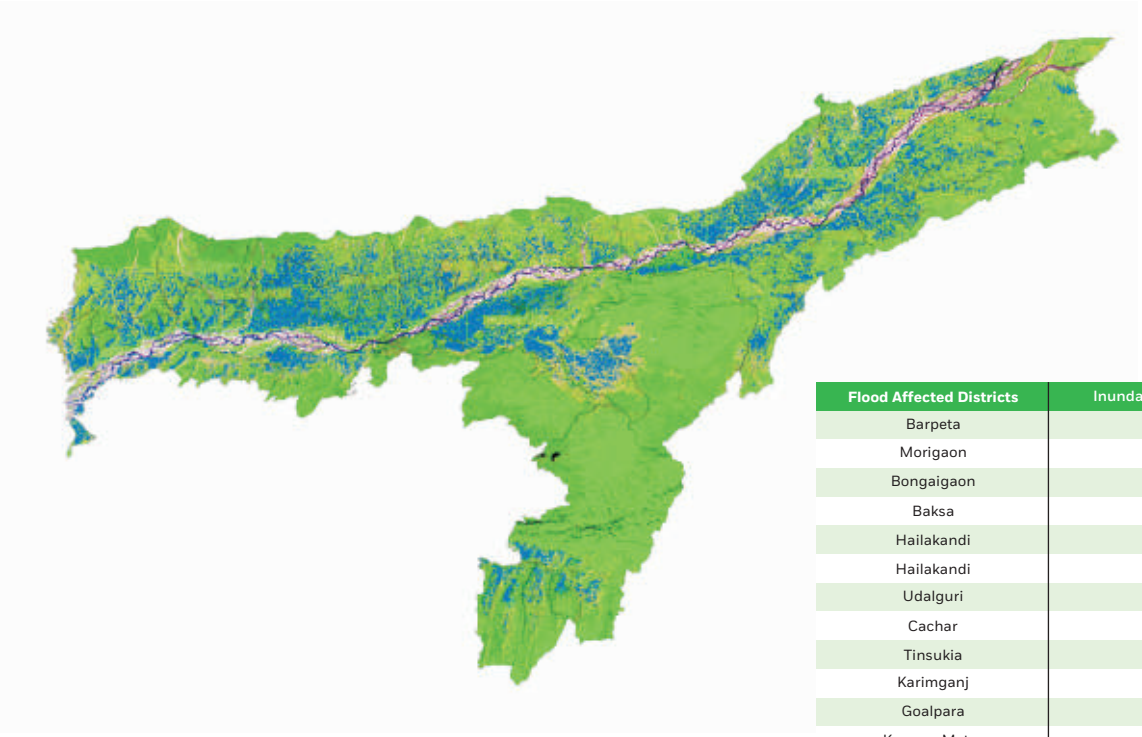
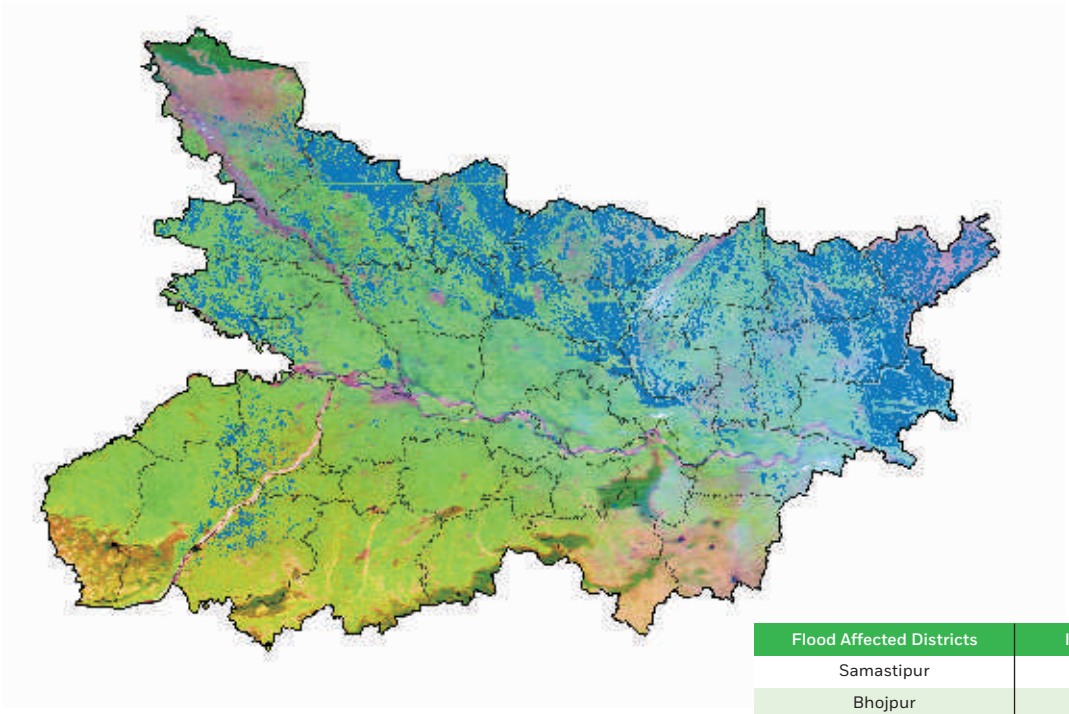
ANNEXURE I
INUNDATION ANALYSIS



Flood Affected Districts	Inundated Area (Ha)
Barpeta	82,525
Morigaon	67,500
Bongaigaon	19,300
Baksa	54,075
Hailakandi	9,125
Hailakandi	34,275
Udalguri	41,450
Cachar	29,125
Tinsukia	16,275
Karimganj	22,475
Goalpara	29,150
Kamrup Metro	10,100
Golaghat	75,100
Kokrajhar	47,125
Kamrup	72,800
Dibrugarh	51,600
Chirang	25,300
Dhemaji	72,000
Lakhimpur	90,650
Nagaon	64,600
Hojai	35,025
Sonitpur	46,550
Biswanath	38,525
Sivasagar	64,950
Charaideo	15,825
Majuli	16,650
Jorhat	43,250
Darrang	39,275
Dhubri	48,900
South Salmara-Mankachar	12,625
Karbi Anglong West	2,225
Karbi Anglong East	18,275
Total	**1,296,625**

INUNDATION ANALYSIS

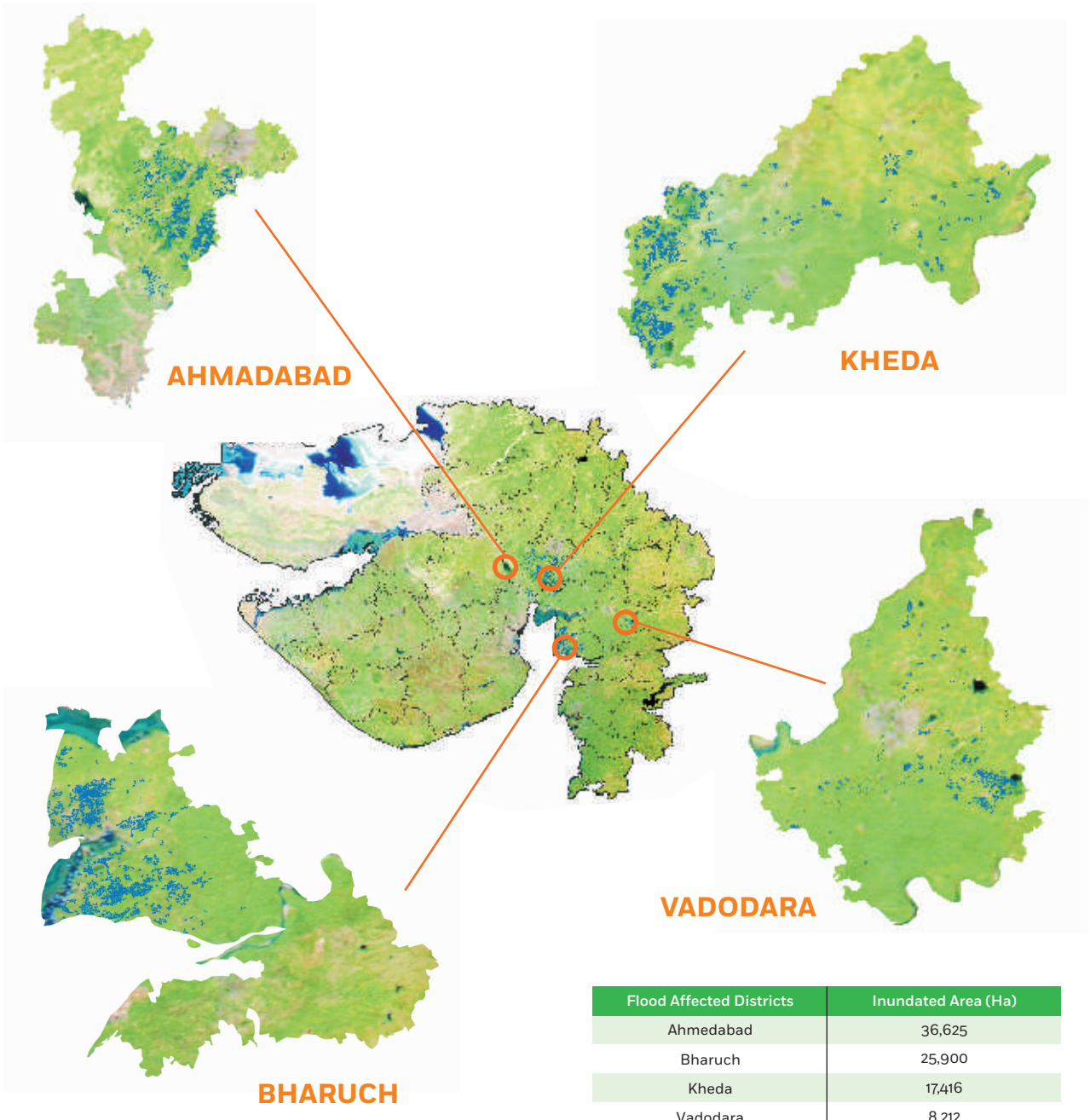
ASSAM



Flood Affected Districts	Inundated Area (Ha)
Samastipur	13,775
Bhojpur	22,175
Supaul	55,900
Darbhanga	1,32,250
Madhepura	22,850
Khagaria	17,650
Siwan	54,850
Gopalganj	36,000
Saran	19,800
Aurangabad	22,875
Patna	1,400
Arwal	2,975
Pashchim Champaran	24,100
Madhubani	1,37,600
Purnia	1,02,900
Rohtas	16,650
Araria	1,22,175
Katihar	1,14,000
Muzaffarpur	53,450
Nalanda	500
Sheohar	15,700
Kishanganj	1,05,375
Buxar	4,950
Purba Champaran	1,57,250
Bhagalpur	9,575
Sitamarhi	1,21,200
Saharsa	43,400
Total	**438,575**

INUNDATION ANALYSIS

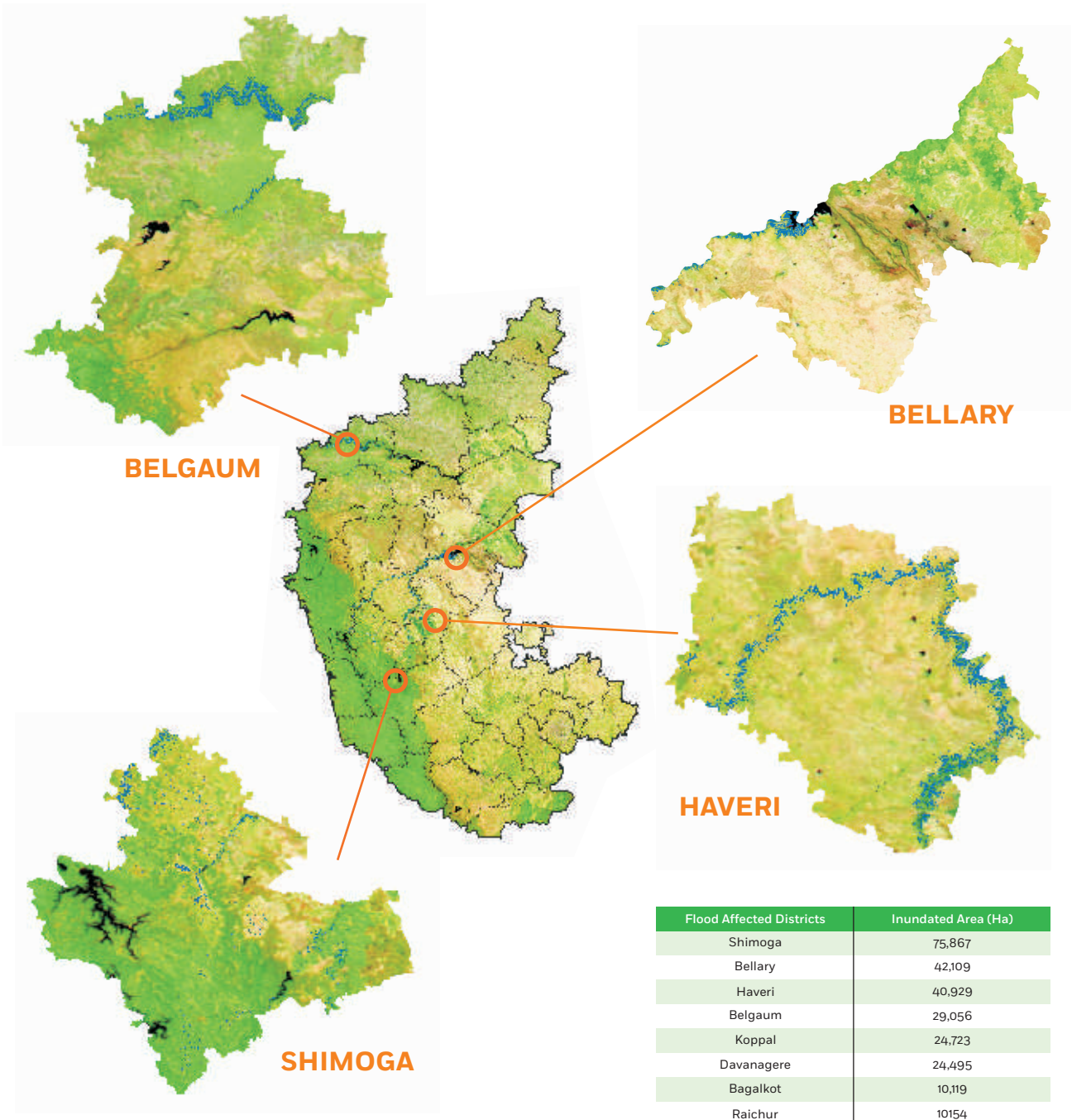
BIHAR



INUNDATION ANALYSIS

GUJARAT

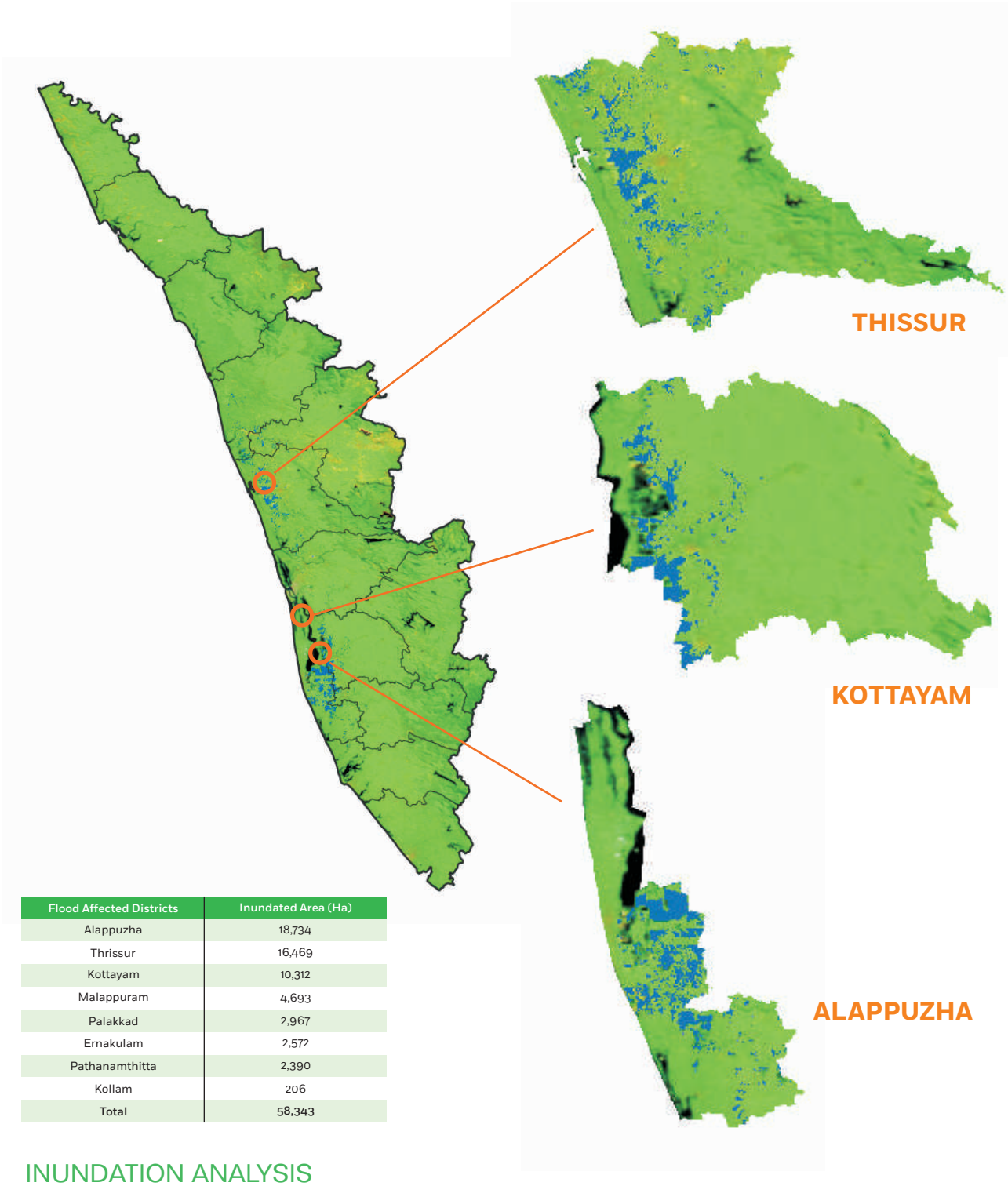
Flood Affected Districts	Inundated Area (Ha)
Ahmedabad	36,625
Bharuch	25,900
Kheda	17,416
Vadodara	8,212
Anand	6,520
Mahisagar	2,099
Panch Mahal	1,818
Chhota Udaipur	654
Gandhi Nagar	535
Surat	486
Total	**100,265**



Flood Affected Districts	Inundated Area (Ha)
Shimoga	75,867
Bellary	42,109
Haveri	40,929
Belgaum	29,056
Koppal	24,723
Davanagere	24,495
Bagalkot	10,119
Raichur	10154
Uttara Kannada	9,252
Yadgir	9,119
Chikmagalur	6,598
Gadag	4,148
Bijapur	422
Udupi	297
Total	**287,288**

INUNDATION ANALYSIS

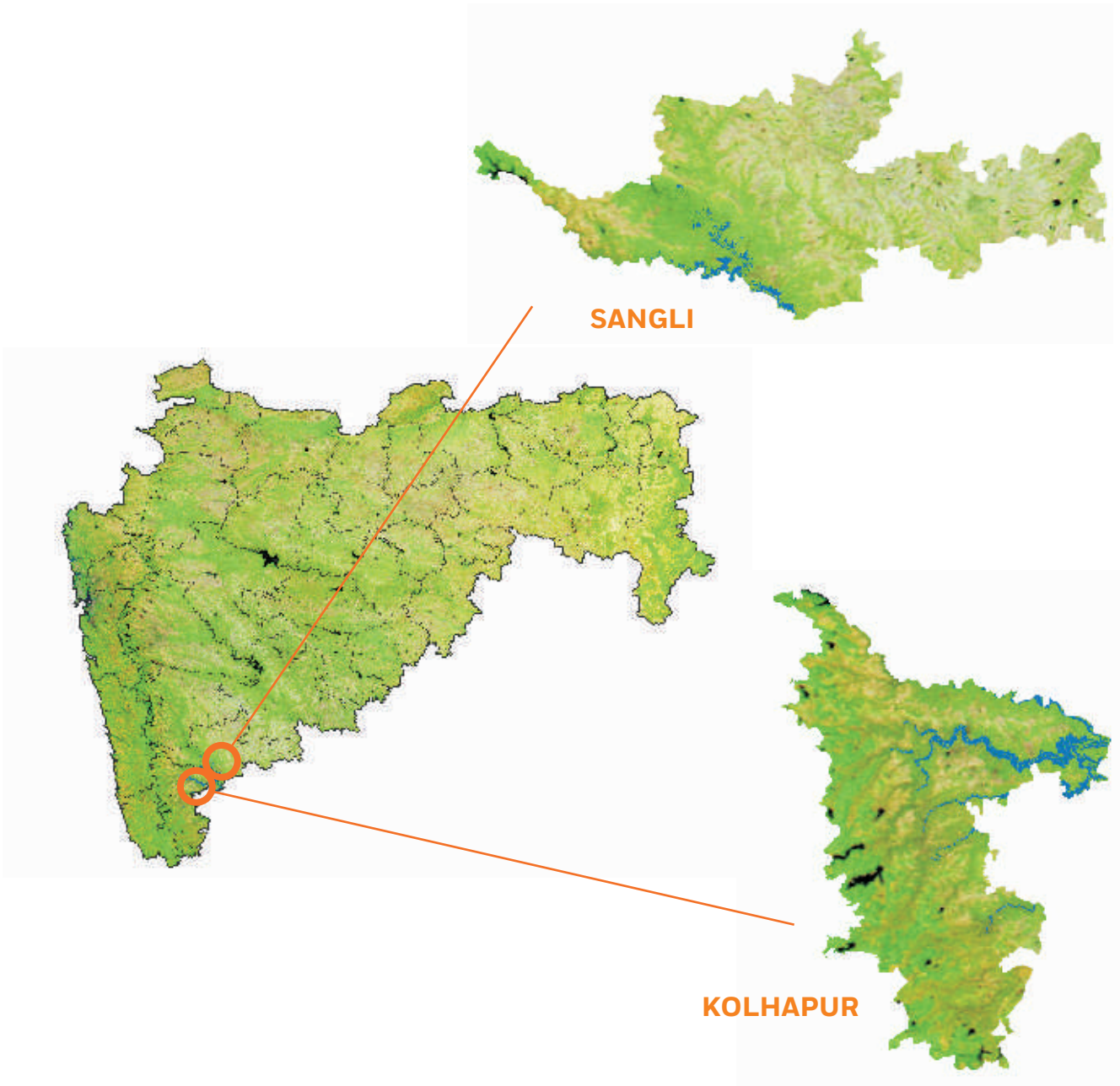
KARNATAKA



Flood Affected Districts	Inundated Area (Ha)
Alappuzha	18,734
Thrissur	16,469
Kottayam	10,312
Malappuram	4,693
Palakkad	2,967
Ernakulam	2,572
Pathanamthitta	2,390
Kollam	206
Total	**58,343**

INUNDATION ANALYSIS

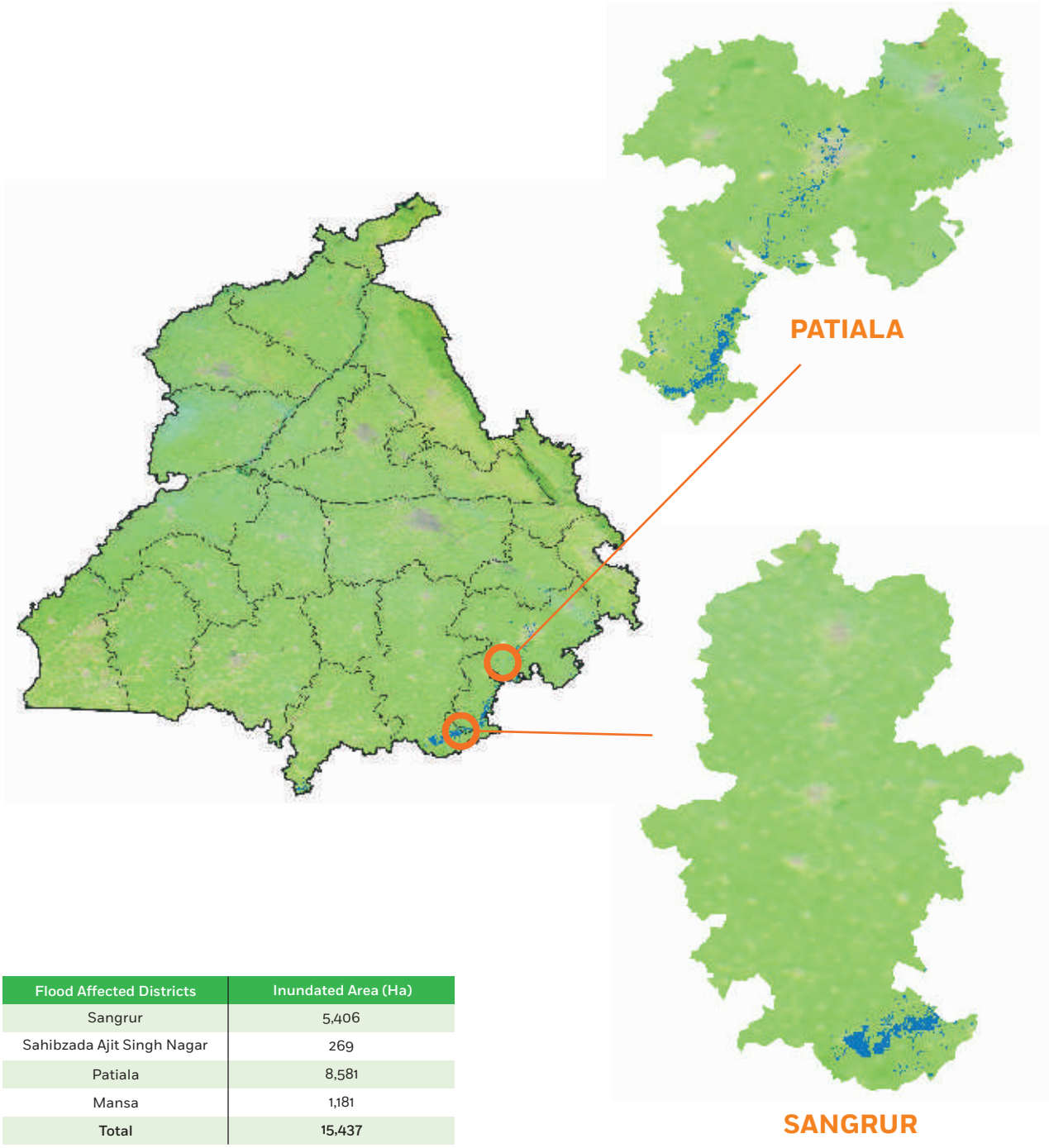
KERALA



INUNDATION ANALYSIS

MAHARASHTRA

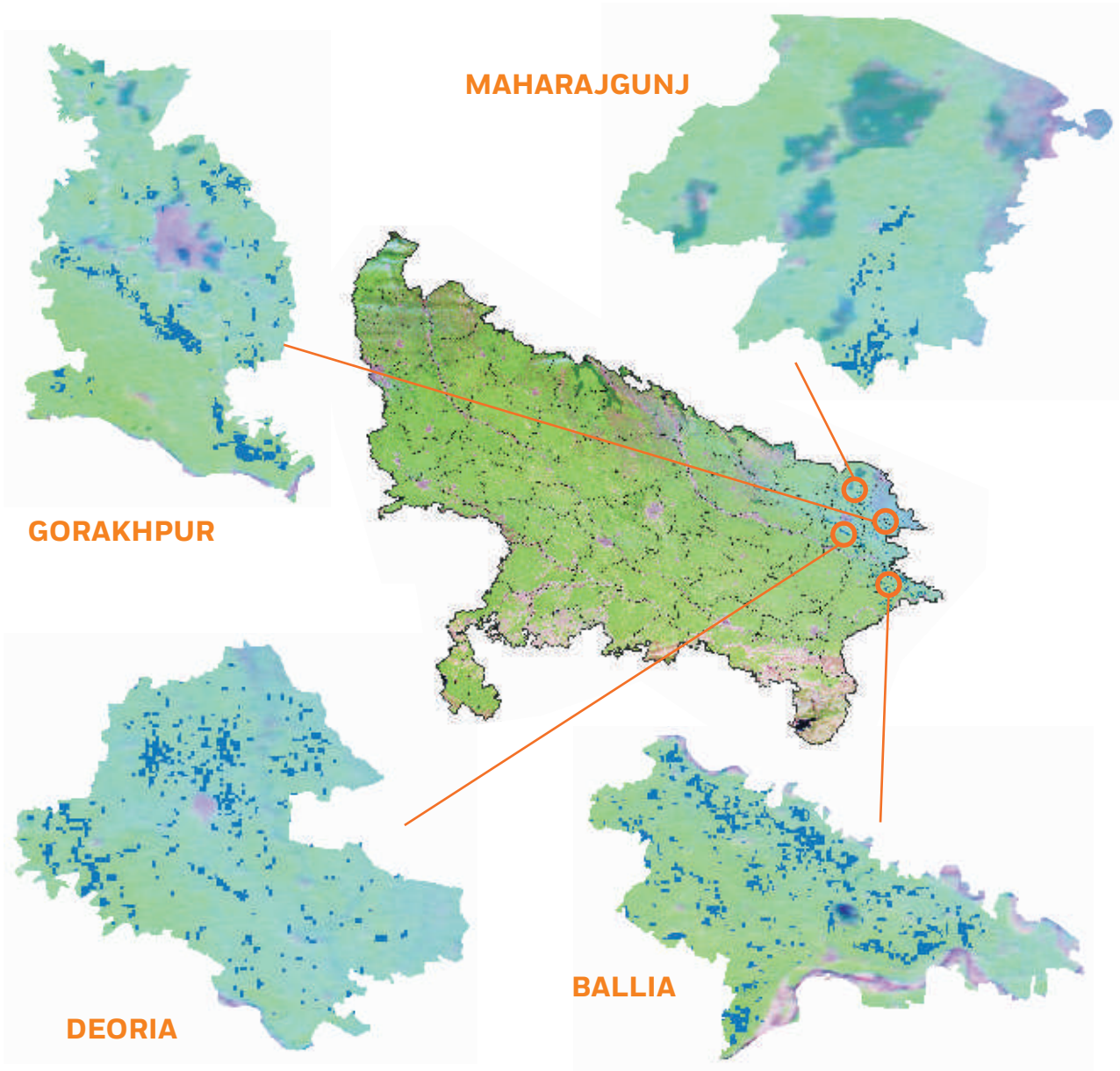
Flood Affected Districts	Inundated Area (Ha)
Kolhapur	33,402
Sangli	12,563
Total	45,965



Flood Affected Districts	Inundated Area (Ha)
Sangrur	5,406
Sahibzada Ajit Singh Nagar	269
Patiala	8,581
Mansa	1,181
Total	**15,437**

INUNDATION ANALYSIS

PUNJAB



Flood Affected Districts	Inundated Area (Ha)
Deoria	18,425
Gorakhpur	19,125
Ghazipur	5,375
Kushinagar	5,825
Sant Kabir Nagar	2,825
Mahrajganj	4,625
Mau	5,325
Ballia	31,225
Total	**92,750**

INUNDATION ANALYSIS

UTTAR PRADESH

ANNEXURE-II (COTTON)

Sr. No.	State	District	Total Agriculture Area (ha) (under all Kharif Crops)	Sowing Area till 08 first fortnight (under all Kharif crops)	Sowing % till 08 1st FortNight	Rainfall Status	Weather/Forecast Up to 2 weeks	Wet spell	Wet spell duration Details	Dry spell	Dry spell duration Details	Soil Moisture	Stress on the crop – As per VHI / NDVI report	Stress on the crop – As per VCI	Final Risk (based on Proxy Indicators)
1	Andhra Pradesh	Anantapur	1,479,800	524,331	35%	Severe water stress	Large Deficient					Wet condition	moderate risk	no risk	Low risk
2	Andhra Pradesh	East Godavari	533,450	517,075	97%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 21/06 to 25/06 2: 26/06 to 30/06 3: 1/07/ to 5/07 4: 11/07 to 15/07 5: 26/07 to 30/07 6: 31/07 to 4/08 7: 5/08 to 9/08			Wet condition	moderate risk	moderate risk	Moderate risk
3	Andhra Pradesh	Guntur	879,119	550,950	63%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 14/07 to 15/07			Normal condition	No risk	low risk	Low risk
4	Andhra Pradesh	Krishna	571,950	437,581	77%	Moderate water stress	Deficient	3 heavy spells in phase 1	1: 14/07 to 15/07 2: 26/07 to 27/07 3: 1/08 to 2/08			Wet condition	moderate risk	moderate risk	Low risk
5	Andhra Pradesh	Kurnool	1,261,731	625,956	50%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 21/06 to 25/06 2: 21/07 to 25/07 3: 31/07 to 4/08			Wet condition	moderate risk	moderate risk	Low risk
6	Andhra Pradesh	Prakasam	1,098,169	818,644	75%	Moderate water stress	Large Deficient	5 heavy spells in phase 1	1: 21/06 to 25/06 2: 26/06 to 30/06 3: 11/07 to 15/07 4: 16/07 to 20/07 5: 21/07 to 25/07			Normal condition	No risk	moderate risk	Low risk
7	Andhra Pradesh	Srikakulam	403,206	388,763	96%	Moderate water stress	Normal	1 heavy spell in phase 1	1: 7/08 to 8/08			Normal condition	No risk	moderate risk	Low risk
8	Andhra Pradesh	Vizianagaram	401,738	399,175	99%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 21/06 to 25/06 2: 1/07 to 5/07 3: 6/07 to 10/07 4: 16/07 to 20/07 5: 21/07 to 25/07 6: 26/07 to 30/07 7: 31/07 to 4/08 8: 5/08 to 9/08			Watch condition	moderate risk	moderate risk	Moderate risk
9	Andhra Pradesh	Y.S.R.	698,325	358,675	51%	Severe water stress	Large Deficient					Normal condition	No risk	moderate risk	Low risk
10	Gujarat	Rajkot	803,081	382,838	48%	Moderate wet condition	Large Deficient	2 heavy spells in phase 2	1: 30/07 to 3/08 2: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderate risk	Low risk

11	Gujarat	Amreli	676,794	314,363	46%	Normal rainfall status	Deficient	4 heavy spells in all phases	1: 11/06 to 17/06 2: 2/07 to 8/07 1: 30/07 to 3/08 2: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
12	Gujarat	Bhavnagar	550,900	299,206	54%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 11/06 to 17/06 2: 25/06 to 1/07 1: 30/07 to 3/08 2: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
13	Gujarat	Surendranag ar	874,575	450,856	52%	Moderate wet condition	Large Deficient	2 heavy spells in all phases	1: 23/07 to 29/07 1: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
14	Gujarat	Banas Kantha	1,007,00 0	788,256	78%	Moderate wet condition	Large Deficient	5 heavy spells in all phases	1: 18/06 to 24/06 2: 2/07 to 8/07 3: 23/07 to 29/07 1: 30/07 to 3/08 2: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
15	Gujarat	06agadh	457,088	293,875	64%	Moderate water stress	Deficient	5 heavy spells in phase 1	1: 12/06 to 16/06 2: 22/07 to 26/07 3: 27/07 to 31/07 4: 1/08 to 5/08 5: 6/08 to 10/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
16	Gujarat	Ahmadabad	656,513	326,713	50%	Moderate wet condition	Large Deficient	5 heavy spells in all phases	1: 18/06 to 24/06 2: 23/07 to 29/07 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08			Normal condition	No risk	moderat e risk	Low risk
17	Gujarat	Bharuch	400,138	232,006	58%	Moderate wet condition	Large Deficient	7 heavy spells in all phases	1: 18/06 to 24/06 2: 25/06 to 1/07 3: 2/07 to 8/07 4: 16/07 to 22/07 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08			Wet condition	moderat e risk	high risk	Moderat e risk
18	Gujarat	Gandhinagar	208,563	182,063	87%	Moderate wet condition	Large Deficient	4 heavy spells in all phases	1: 18/06 to 24/06 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Wet condition	moderat e risk	low risk	Low risk
19	Gujarat	Jamnagar	512,681	265,675	52%	Moderate wet condition	Large Deficient	2 heavy spells in phase 2	1: 30/07 to 3/08 2: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Wet condition	moderat e risk	moderat e risk	Moderat e risk
20	Gujarat	Kachchh	1,021,581	479,013	47%	Moderate wet condition	Large Deficient	2 heavy spells in phase 2	1: 30/07 to 3/08 2: 9/08 to 13/08			Wet condition	moderat e risk	low risk	Moderat e risk

21	Gujarat	Kheda	369,288	274,238	74%	Moderate wet condition	Large Deficient	5 heavy spells in phase 1	1: 17/06 to 21/06 2: 7/07 to 11/07 3: 27/07 to 31/07 4: 1/08 to 5/08 5: 6/08 to 10/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
22	Gujarat	Mahesana	446,844	359,856	81%	Moderate wet condition	Large Deficient	3 heavy spells in all phases	1: 18/06 to 24/06 1: 30/07 to 3/08 2: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
23	Gujarat	Narmada	178,731	123,750	69%	Moderate wet condition	Large Deficient	7 heavy spells in all phases	1: 18/06 to 24/06 2: 25/06 to 1/07 3: 2/07 to 8/07 4: 16/07 to 22/07 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08			Wet condition	moderat e risk	high risk	Moderat e risk
24	Gujarat	Panch Mahals	304,525	271,088	89%	Moderate wet condition	Large Deficient	6 heavy spells in all phases	1: 18/06 to 24/06 2: 25/06/ to 1/07/ 3: 2/07 to 8/07/ 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
25	Gujarat	Patan	540,306	388,563	72%	Normal rainfall status	Large Deficient	2 heavy spells in all phases	1: 18/06 to 24/06 1: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Wet condition	moderat e risk	moderat e risk	Moderat e risk
26	Gujarat	Sabar Kantha	333,994	288,088	86%	Moderate wet condition	Large Deficient	6 heavy spells in all phases	1: 18/06 to 24/06 2: 2/07 to 8/07/ 3: 23/07 to 29/07 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
27	Gujarat	Vadodara	408,706	256,419	63%	Moderate wet condition	Large Deficient	7 heavy spells in phase 1	1: 22/06 to 26/06 2: 27/06 to 1/07/ 3: 2/07 to 6/07/ 4: 7/07/ to 11/07/ 5: 27/07 to 31/07 6: 1/08 to 5/08 7: 6/08/ to 10/08			Wet condition	moderat e risk	high risk	Moderat e risk
28	Haryana	Bhiwani	376,881	353,731	94%	Normal rainfall status	Deficient	2 heavy spells in phase 1	1: 16/07 to 22/07 2: 23/07 to 29/07			Normal condition	No risk	moderat e risk	Low risk
29	Haryana	Fatehabad	287,400	285,275	99%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 11/06 to 17/06/ 2: 9/07 to 15/07/ 3: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Watch condition	moderat e risk	moderat e risk	Moderat e risk

30	Haryana	Hisar	449,181	421,288	94%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
31	Haryana	Jind	315,194	287,213	91%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 9/07 to 15/07/ 2: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
32	Haryana	Kaithal	262,719	255,656	97%	Moderate water stress	Deficient	3 heavy spells in phase 1	1: 9/07 to 15/07/ 2: 16/07 to 22/07 3: 23/07 to 29/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Watch condition	moderat e risk	low risk	Low risk
33	Haryana	Rohtak	178,369	151,000	85%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 2/07 to 8/07/ 2: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
34	Haryana	Sirsa	480,131	476,550	99%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 11/06 to 17/06/ 2: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
35	Karnataka	Dharwad	420,206	275,544	66%	Moderate water stress	Large Deficient	10 heavy spells in all phases	1: 24/06 to 25/06/ 2: 30/06/ to 1/07/ 3: 4/07/ to 5/07/ 4: 8/07/ to 9/07 5: 10/07/ to 11/07/ 1: 20/07/ to 23/07 2: 28/07/ to 31/07 3: 1/08 to 4/08 4: 5/08 to 8/08 5: 9/08 to 12/08/	dry conditon for 1 times in phase 1	1: 25/May/ to 2/06/	Normal condition	No risk	low risk	Low risk

36	Karnataka	Haveri	456,556	320,125	70%	Moderate wet condition	Large Deficient	16 heavy spells in phase 1	1: 24/06 to 25/06/ 2: 28/06/ to 29/06/ 3: 30/06/ to 1/07/ 4: 2/07 to 3/07/ 5: 4/07/ to 5/07/ 6: 10/07/ to 11/07/ 7: 12/07 to 13/07/ 8: 14/07/ to 15/07/ 9: 18/07/ to 19/07 10: 22/07 to 23/07 11: 30/07 to 31/07 12: 3/08 to 4/08 13: 5/08 to 6/08/ 14: 7/08/ to 8/08 15: 9/08 to 10/08 16: 13/08 to 14/08			Normal condition	No risk	moderat e risk	Low risk
37	Karnataka	Belgaum	1,197,819	714,088	60%	Moderate water stress	Deficient	9 heavy spells in all phases	1: 24/06 to 25/06/ 2: 30/06/ to 1/07/ 3: 4/07/ to 5/07/ 4: 8/07/ to 9/07 5: 10/07/ to 11/07/ 1: 28/07/ to 31/07 2: 1/08 to 4/08 3: 5/08 to 8/08 4: 9/08 to 12/08/	dry conditon for 1 times in phase 1	1: 25/May/ to 2/06/	Wet condition	moderat e risk	no risk	Moderat e risk
38	Karnataka	Bellary	661,200	336,094	51%	Moderate water stress	Large Deficient	2 heavy spells in phase 1	1: 16/07 to 17/07/ 2: 5/08 to 6/08/			Normal condition	No risk	no risk	Low risk
39	Karnataka	Bijapur	1,123,850	472,294	42%	Severe water stress	Large Deficient	1 heavy spells in phase 1	1: 4/06/ to 5/06/	dry conditon for 1 times in phase 1	1: 12/06/ to 20/06/	Wet condition	moderat e risk	moderat e risk	Moderat e risk
40	Karnataka	Chitradurga	680,475	334,356	49%	Severe water stress	Large Deficient	2 heavy spells in phase 1	1: 6/06/ to 7/06/ 2: 9/08 to 10/08	dry conditon for 1 time in phase 1	1: 13/06/ to 21/06/	Normal condition	No risk	low risk	Low risk
41	Karnataka	Davanagere	519,000	348,694	67%	Moderate water stress	Deficient	8 heavy spells in all phases	1: 2/06/ to 3/06/ 2: 24/06 to 25/06/ 3: 30/06/ to 1/07/ 4: 2/07 to 3/07/ 5: 10/07/ to 11/07/ 1: 16/07 to 19/07 2: 5/08 to 8/08 3: 9/08 to 12/08/			Normal condition	No risk	moderat e risk	Low risk

42	Karnataka	Gadag	433,413	138,850	32%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 24/06 to 25/06/ 2: 5/08 to 6/08/ 3: 7/08/ to 8/08			Normal condition	No risk	moderat e risk	Low risk
43	Karnataka	Gulbarga	1,100,988	540,681	49%	Moderate water stress	Deficient	6 heavy spells in all phases	1: 4/06/ to 5/06/ 2: 10/06/ to 11/06 3: 2/07 to 3/07/ 1: 20/07/ to 23/07 2: 1/08 to 4/08 3: 5/08 to 8/08	dry conditon for 1 times in phase 1	1: 12/06/ to 20/06/	Wet condition	moderat e risk	high risk	Moderat e risk
44	Karnataka	Mysore	526,663	504,550	96%	Moderate wet condition	Large Deficient	11 heavy spells in phase 1	1: 6/06/ to 7/06/ 2: 6/07/ to 7/07/ 3: 18/07/ to 19/07 4: 20/07/ to 21/07/ 5: 22/07 to 23/07 6: 24/07/ to 25/07/ 7: 5/08 to 6/08/ 8: 7/08/ to 8/08 9: 9/08 to 10/08 10: 11/08 to 12/08/ 11: 13/08 to 14/08			Normal condition	No risk	moderat e risk	Low risk
45	Karnataka	Raichur	843,988	429,319	51%	Severe water stress	Large Deficient	2 heavy spells in all phases	1: 6/06/ to 7/06/ 1: 5/08 to 8/08			Wet condition	moderat e risk	no risk	Low risk
46	Karnataka	Yadgir	489,113	306,700	63%	Severe water stress	Large Deficient	3 heavy spells in phase 1	1: 4/06/ to 5/06/ 2: 3/08 to 4/08 3: 5/08 to 6/08/			Wet condition	moderat e risk	low risk	Moderat e risk
47	Madhya Pradesh	Barwani	335,188	213,156	64%	Moderate wet condition	Large Deficient	5 heavy spells in phase 1	1: 29/06/ to 2/07 2: 3/07/ to 6/07/ 3: 27/07 to 30/07 4: 31/07 to 3/08 5: 8/08 to 11/08			Wet condition	moderat e risk	moderat e risk	Moderat e risk
48	Madhya Pradesh	Burhanpur	164,600	125,675	76%	Moderate wet condition	Deficient	3 heavy spells in phase 1	1: 3/07/ to 6/07/ 2: 27/07 to 30/07 3: 8/08 to 11/08			Wet condition	moderat e risk	high risk	Moderat e risk
49	Madhya Pradesh	Dhar	702,450	520,344	74%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 29/06/ to 2/07 2: 3/07/ to 6/07/ 3: 27/07 to 30/07 4: 8/08 to 11/08			Wet condition	moderat e risk	high risk	Moderat e risk
50	Madhya Pradesh	Khandwa (East Nimar)	472,625	373,363	79%	Moderate wet condition	Normal	5 heavy spells in phase 1	1: 29/06/ to 2/07 2: 3/07/ to 6/07/ 3: 27/07 to 30/07 4: 31/07 to 3/08 5: 8/08 to 11/08			Wet condition	moderat e risk	high risk	Moderat e risk
51	Madhya Pradesh	Khargone (West Nimar)	545,181	415,456	76%	Moderate wet condition	Deficient	3 heavy spells in phase 1	1: 3/07/ to 6/07/ 2: 27/07 to 30/07 3: 8/08 to 11/08			Wet condition	moderat e risk	high risk	Moderat e risk

52	Madhya Pradesh	Chhindwara	773,781	505,019	65%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 29/06/ to 2/07 2: 3/07/ to 6/07/ 3: 27/07 to 30/07 4: 31/07 to 3/08 5: 4/08 to 7/08/ 6: 8/08 to 11/08 7: 12/08/ to 15/08			Wet condition	moderate risk	high risk	Moderate risk
53	Madhya Pradesh	Dewas	511,444	355,000	69%	Moderate wet condition	Excess	6 heavy spells in phase 1	1: 29/06/ to 2/07 2: 3/07/ to 6/07/ 3: 27/07 to 30/07 4: 31/07 to 3/08 5: 8/08 to 11/08 6: 12/08/ to 15/08			Wet condition	moderate risk	moderate risk	Moderate risk
54	Madhya Pradesh	Jhabua	281,638	187,425	67%	Moderate wet condition	Large Deficient	5 heavy spells in phase 1	1: 25/06/ to 28/06/ 2: 3/07/ to 6/07/ 3: 27/07 to 30/07 4: 31/07 to 3/08 5: 8/08 to 11/08			Normal condition	No risk	moderate risk	Low risk
55	Maharashtra	Akola	530,431	309,356	58%	Moderate wet condition	Deficient	8 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 21/07/ to 25/07/ 6: 26/07/ to 30/07 7: 31/07 to 4/08 8: 5/08 to 9/08			Wet condition	moderate risk	high risk	Moderate risk
56	Maharashtra	Hingoli	430,231	376,406	87%	Moderate wet condition	Deficient	5 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 26/07/ to 30/07 4: 31/07 to 4/08 5: 5/08 to 9/08			Normal condition	No risk	moderate risk	Low risk
57	Maharashtra	Aurangabad	948,894	495,025	52%	Moderate wet condition	Large Deficient	1 heavy spell in phase 1	1: 22/06 to 24/06			Normal condition	No risk	moderate risk	Low risk
58	Maharashtra	Nanded	944,794	822,788	87%	Moderate wet condition	Large Deficient	7 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 11/07/ to 15/07/ 4: 16/07 to 20/07/ 5: 26/07/ to 30/07 6: 31/07 to 4/08 7: 5/08 to 9/08			Normal condition	No risk	moderate risk	Low risk
59	Maharashtra	Buldana	898,106	666,131	74%	Moderate water stress	Large Deficient	2 heavy spells in phase 1	1: 23/06/ to 12/07 2: 13/07/ to 1/08			Normal condition	No risk	moderate risk	Low risk

60	Maharashtra	Chandrapur	653,844	400,600	61%	Moderate water stress	Normal	6 heavy spells in phase 1	1: 28/06/ to 30/06/ 2: 1/07/ to 3/07/ 3: 25/07/ to 27/07 4: 28/07/ to 30/07 5: 31/07 to 2/08/ 6: 3/08 to 5/08			Normal condition	No risk	moderat e risk	Low risk
61	Maharashtra	Yavatmal	1,035,181	840,706	81%	Moderate wet condition	Deficient	7 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 26/07/ to 30/07 6: 31/07 to 4/08 7: 5/08 to 9/08			Normal condition	No risk	moderat e risk	Low risk
62	Maharashtra	Ahmadnagar	1,526,63 8	841,806	55%	Moderate wet condition	Large Deficient	3 heavy spells in phase 1	1: 7/07/ to 9/07 2: 19/07 to 21/07/ 3: 3/08 to 5/08			Normal condition	No risk	moderat e risk	Low risk
63	Maharashtra	Bid	967,731	452,269	47%	Moderate water stress	Large Deficient					Normal condition	No risk	moderat e risk	Low risk
64	Maharashtra	Jalgaon	1,010,844	828,531	82%	Moderate wet condition	Deficient	2 heavy spells in phase 1	1: 23/06/ to 12/07 2: 13/07/ to 1/08	dry conditon for 1 time in phase 1	1: 14/May/ to 3/06/	Wet condition	moderat e risk	high risk	Moderat e risk
65	Maharashtra	Nagpur	711,669	416,538	59%	Moderate water stress	Large Excess	7 heavy spells in phase 1	1: 1/07/ to 3/07/ 2: 25/07/ to 27/07 3: 28/07/ to 30/07 4: 31/07 to 2/08/ 5: 3/08 to 5/08 6: 6/08/ to 8/08 7: 9/08 to 11/08			Normal condition	No risk	moderat e risk	Low risk
66	Maharashtra	Amravati	911,194	570,906	63%	Moderate wet condition	Normal	7 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 1/07/ to 5/07/ 3: 6/07/ to 10/07/ 4: 21/07/ to 25/07/ 5: 26/07/ to 30/07 6: 31/07 to 4/08 7: 5/08 to 9/08			Wet condition	moderat e risk	high risk	Moderat e risk
67	Maharashtra	Jalna	787,669	434,075	55%	Moderate wet condition	Large Deficient	8 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 11/07/ to 15/07/ 6: 26/07/ to 30/07 7: 31/07 to 4/08 8: 5/08 to 9/08			Normal condition	No risk	moderat e risk	Low risk

68	Maharashtra	Dhule	538,350	215,275	40%	Moderate wet condition	Large Deficient	9 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 16/07 to 20/07/ 6: 21/07/ to 25/07/ 7: 26/07/ to 30/07 8: 31/07 to 4/08 9: 5/08 to 9/08			Wet condition	moderate risk	high risk	Moderate risk
69	Maharashtra	Nandurbar	390,225	232,225	60%	Wet condition	Large Deficient	8 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 21/07/ to 25/07/ 6: 26/07/ to 30/07 7: 31/07 to 4/08 8: 5/08 to 9/08			Wet condition	moderate risk	high risk	Moderate risk
70	Maharashtra	Nashik	1,199,256	654,456	55%	Moderate wet condition	Large Deficient	7 heavy spells in phase 1	1: 1/07/ to 3/07/ 2: 7/07/ to 9/07 3: 19/07 to 21/07/ 4: 25/07/ to 27/07 5: 28/07/ to 30/07 6: 31/07 to 2/08/ 7: 3/08 to 5/08			Normal condition	No risk	moderate risk	Low risk
71	Maharashtra	Osmanabad	737,869	404,919	55%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 21/07/ to 25/07/ 2: 31/07 to 4/08 3: 5/08 to 9/08			Wet condition	moderate risk	moderate risk	Moderate risk
72	Maharashtra	Parbhani	653,081	509,875	78%	Moderate water stress	Large Deficient	2 heavy spells in phase 1	1: 23/06/ to 12/07 2: 13/07/ to 1/08			Wet condition	moderate risk	high risk	Moderate risk
73	Maharashtra	Wardha	538,219	328,950	61%	Moderate water stress	Normal	6 heavy spells in phase 1	1: 1/07/ to 3/07/ 2: 25/07/ to 27/07 3: 28/07/ to 30/07 4: 31/07 to 2/08/ 5: 3/08 to 5/08 6: 9/08 to 11/08	dry conditon for 1 time in phase 1	1: 4/06/ to 18/06	Normal condition	No risk	moderate risk	Low risk
74	Maharashtra	Washim	478,519	379,481	79%	Moderate wet condition	Large Deficient	7 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 26/07/ to 30/07 6: 31/07 to 4/08 7: 5/08 to 9/08			Normal condition	No risk	low risk	Low risk
75	Punjab	Barnala	149,656	148,813	99%	Moderate water stress	Deficient	4 heavy spells in phase 1	1: 18/06 to 24/06 2: 9/07 to 15/07/ 3: 16/07 to 22/07 4: 23/07 to 29/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	no risk	Low risk

76	Punjab	Bathinda	365,438	362,456	99%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 16/07 to 22/07 2: 23/07 to 29/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
77	Punjab	Faridkot	165,594	165,263	100%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 16/07 to 22/07 2: 23/07 to 29/07			Normal condition	No risk	moderat e risk	Low risk
78	Punjab	Firozpur	276,763	275,369	99%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 9/07 to 15/07/ 2: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
79	Punjab	Mansa	235,375	233,056	99%	Moderate water stress	Large Deficient	2 heavy spells in phase 1	1: 9/07 to 15/07/ 2: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
80	Punjab	Muktsar	299,863	297,419	99%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 16/07 to 22/07 2: 23/07 to 29/07			Normal condition	No risk	low risk	Low risk
81	Punjab	Sangrur	426,944	423,325	99%	Moderate water stress	Deficient	3 heavy spells in phase 1	1: 18/06 to 24/06 2: 9/07 to 15/07/ 3: 16/07 to 22/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	moderat e risk	Low risk
82	Rajasthan	Hanumangar h	1,103,256	698,069	63%	Moderate water stress	Deficient	3 heavy spells in phase 1	1: 11/06 to 17/06/ 2: 16/07 to 22/07 3: 23/07 to 29/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	low risk	Low risk
83	Rajasthan	Ganganagar	1,034,33 8	767,325	74%	Severe water stress	Deficient			dry conditon for 2 times in phase 1	1: 28/05 to 11/06 2: 27/06 to 11/07/	Wet condition	moderat e risk	moderat e risk	Moderat e risk
84	Rajasthan	Ajmer	632,544	592,875	94%	Moderate wet condition	Large Excess	5 heavy spells in all phases	1: 28/05 to 3/06/ 2: 2/07 to 8/07/ 3: 23/07 to 29/07 1: 30/07 to 3/08 2: 4/08 to 8/08			Normal condition	No risk	no risk	Low risk
85	Rajasthan	Nagaur	1,778,288	1,152,638	65%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 2/07 to 8/07/ 2: 23/07 to 29/07 1: 30/07 to 3/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Normal condition	No risk	no risk	Low risk
86	Rajasthan	Alwar	685,888	666,694	97%	Moderate wet condition	Large Excess	2 heavy spells in phase 1	1: 2/07 to 8/07/ 2: 23/07 to 29/07	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Wet condition	moderat e risk	moderat e risk	Moderat e risk

87	Rajasthan	Banswara	333,894	281,850	84%	Moderate wet condition	Large Deficient	7 heavy spells in all phases	1: 18/06 to 24/06 2: 25/06/ to 1/07/ 3: 2/07 to 8/07/ 4: 23/07 to 29/07 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08			Wet condition	moderat e risk	high risk	Moderat e risk
88	Rajasthan	Bhilwara	707,350	686,319	97%	Moderate wet condition	Large Excess	7 heavy spells in all phases	1: 28/05 to 3/06/ 2: 18/06 to 24/06 3: 25/06/ to 1/07/ 4: 2/07 to 8/07/ 5: 23/07 to 29/07 1: 30/07 to 3/08 2: 4/08 to 8/08			Normal condition	No risk	moderat e risk	Low risk
89	Rajasthan	Chittaurgarh	463,525	444,869	96%	Moderate wet condition	Large Excess	8 heavy spells in all phases	1: 28/05 to 3/06/ 2: 18/06 to 24/06 3: 25/06/ to 1/07/ 4: 2/07 to 8/07/ 5: 23/07 to 29/07 1: 30/07 to 3/08 2: 4/08 to 8/08 3: 9/08 to 13/08			Normal condition	No risk	moderat e risk	Low risk
90	Rajasthan	Jodhpur	1,963,631	609,213	31%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 23/07 to 29/07			Normal condition	No risk	no risk	Low risk
91	Rajasthan	Pali	985,825	663,319	67%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 2/07 to 8/07/ 2: 23/07 to 29/07 1: 30/07 to 3/08	dry conditon for 1 time in phase 1	1: 28/05 to 11/06	Wet condition	moderat e risk	no risk	Moderat e risk
92	Telangana	Mahbubnaga r	477,000	393,581	83%	Moderate water stress	Large Deficient					Normal condition	No risk	moderat e risk	Low risk
93	Telangana	Adilabad	253,375	217,694	86%	Moderate wet condition	Deficient	8 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 1/07/ to 5/07/ 4: 6/07/ to 10/07/ 5: 16/07 to 20/07/ 6: 26/07/ to 30/07 7: 31/07 to 4/08 8: 5/08 to 9/08			Normal condition	No risk	moderat e risk	Low risk
94	Telangana	Karimnagar	207,481	203,013	98%	Moderate wet condition	Large Deficient	5 heavy spells in phase 1	1: 26/07/ to 27/07 2: 28/07/ to 29/07 3: 1/08 to 2/08/ 4: 3/08 to 4/08 5: 7/08/ to 8/08			Normal condition	No risk	moderat e risk	Low risk
95	Telangana	Khammam	387,338	350,169	90%	Moderate water stress	Normal	2 heavy spells in phase 1	1: 26/07/ to 27/07 2: 1/08 to 2/08/			Normal condition	No risk	moderat e risk	Low risk

96	Telangana	Medak	205,231	180,088	88%	Moderate wet condition	Deficient	8 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 26/06 to 30/06/ 3: 6/07/ to 10/07/ 4: 11/07/ to 15/07/ 5: 16/07 to 20/07/ 6: 26/07/ to 30/07 7: 31/07 to 4/08 8: 5/08 to 9/08			Normal condition	No risk	moderat e risk	Low risk
97	Telangana	Nalgonda	627,875	520,031	83%	Moderate wet condition	Deficient	5 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 16/07 to 20/07/ 3: 26/07/ to 30/07 4: 31/07 to 4/08 5: 5/08 to 9/08			Normal condition	No risk	no risk	Low risk
98	Telangana	Nizamabad	287,763	242,450	84%	Moderate wet condition	Large Deficient	9 heavy spells in phase 1	1: 2/07 to 3/07/ 2: 12/07 to 13/07/ 3: 20/07/ to 21/07/ 4: 26/07/ to 27/07 5: 28/07/ to 29/07 6: 30/07 to 31/07 7: 1/08 to 2/08/ 8: 3/08 to 4/08 9: 7/08/ to 8/08			Normal condition	No risk	moderat e risk	Low risk
99	Telangana	Ranga Reddy	401,281	350,488	87%	Normal rainfall status	Large Deficient	5 heavy spells in phase 1	1: 21/06/ to 25/06/ 2: 16/07 to 20/07/ 3: 26/07/ to 30/07 4: 31/07 to 4/08 5: 5/08 to 9/08			Normal condition	No risk	moderat e risk	Low risk
100	Telangana	Warangal Rural	113,031	110,519	98%	Moderate wet condition	Excess	5 heavy spells in phase 1	1: 26/07/ to 27/07 2: 28/07/ to 29/07 3: 1/08 to 2/08/ 4: 3/08 to 4/08 5: 7/08/ to 8/08			Normal condition	No risk	moderat e risk	Low risk

ANNEXURE-III (SOYBEAN)

Sr. No.	State	District	Total Agriculture Area (ha) (under all Kharif Crops)	Sowing Area till 08 first fortnight (under all Kharif crops)	Sowing % till 08 1st FortNight	Rainfall Status	Weather/Forecast Up to 2 weeks	Wet spell	Wet spell duration Details	Dry spell	Dry spell duration Details	Soil Moisture	Stress on the crop – As per VHI / NDVI report	Stress on the crop – As per VCI	Final Risk (based on Proxy Indicators)
1	Karnataka	Dharwad	420,206	275,544	66%	Moderate wet condition	Large Deficient	2 heavy spells in phase 1	1: 29-July-2019 to 1-August-2019 2: 6-August-2019 to			Normal condition	Overall district at No	District under low risk	Low risk

									9-August-2019				risk		
2	Karnataka	Bidar	547,206	316,731	58%	Moderate wet condition	Large Deficient	2 heavy spells in phase 1	1: 17-July-2019 to 20-July-2019 2: 2-August-2019 to 5-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
3	Karnataka	Belgaum	1,197,819	714,088	60%	Moderate wet condition	Deficient	4 heavy spells in phase 1	1: 29-July-2019 to 1-August-2019 2: 2-August-2019 to 5-August-2019 3: 6-August-2019 to 9-August-2019 4: 10-August-2019 to 13-August-2019			Wet condition	Overall district at moderate risk	District under no risk	Moderate risk
4	Karnataka	Haveri	456,556	320,125	70%	Moderate wet condition	Large Deficient	2 heavy spells in phase 1	1: 9-July-2019 to 12-July-2019 2: 6-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
5	Madhya Pradesh	Betul	651,138	517,613	79%	Moderate water stress	Large Excess	4 heavy spells in all phases	1: 1-July-2019 to 4-July-2019 2: 25-July-2019 to 28-July-2019 3: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
6	Madhya Pradesh	Dhar	702,450	520,344	74%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 30-July-2019 to 2-August-2019 4: 7-August-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
7	Madhya Pradesh	Indore	309,250	262,069	85%	Moderate wet condition	Deficient	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 7-August-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
8	Madhya Pradesh	Khandwa (East Nimar)	472,625	373,363	79%	Moderate wet condition	Normal	5 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 30-July-2019 to 2-August-2019 5: 7-			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

									August-2019 to 10-August-2019						
9	Madhya Pradesh	Raisen	552,381	319,581	58%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 2-August-2019 to 5-August-2019 4: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
10	Madhya Pradesh	Rajgarh	587,069	442,281	75%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 6-August-2019 to 9-August-2019			Watch condition	Overall district at moderate risk	District under moderate risk	High risk
11	Madhya Pradesh	Sehore	528,094	344,931	65%	Moderate water stress	Large Excess	4 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 2-August-2019 to 5-August-2019 4: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
12	Madhya Pradesh	Vidisha	681,294	499,338	73%	Moderate wet condition	Large Excess	3 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
13	Madhya Pradesh	Ujjain	615,688	541,275	88%	Moderate wet condition	Excess	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 7-August-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
14	Madhya Pradesh	Dewas	511,444	355,000	69%	Moderate wet condition	Excess	6 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 30-July-2019 to 2-August-2019 5: 3-August-2019 to 6-August-2019 6: 7-August-2019 to 10-			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk

								August-2019						
15	Madhya Pradesh	Bhopal	218,744	137,738	63%	Moderate wet condition	Large Excess	6 heavy spells in all phases	1: 27-June-2019 to 30-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 25-July-2019 to 28-July-2019 5: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
16	Madhya Pradesh	Chhindwara	773,781	505,019	65%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 26-July-2019 to 29-July-2019 3: 30-July-2019 to 2-August-2019 4: 7-August-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
17	Madhya Pradesh	Guna	489,231	369,638	76%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 26-July-2019 to 29-July-2019 3: 3-August-2019 to 6-August-2019 4: 7-August-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
18	Madhya Pradesh	Harda	253,381	233,688	92%	Moderate wet condition	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 30-July-2019 to 2-August-2019 5: 3-August-2019 to 6-August-2019 6: 7-August-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
19	Madhya Pradesh	Hoshangabad	420,744	317,844	76%	Moderate water stress	Large Excess	4 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 2-August-2019 to 5-August-2019 4: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

20	Madhya Pradesh	Mandsaur	460,219	377,175	82%	Moderate water stress	Excess	2 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 6-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
21	Madhya Pradesh	Narsimhapur	402,531	326,650	81%	Moderate water stress	Large Excess	4 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 2-August-2019 to 5-August-2019 4: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
22	Madhya Pradesh	Neemuch	241,900	191,069	79%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 2-August-2019 to 5-August-2019 3: 6-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
23	Madhya Pradesh	Ratlam	430,488	344,125	80%	Moderate wet condition	Deficient	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 7-August-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
24	Madhya Pradesh	Sagar	713,669	491,669	69%	Moderate wet condition	Large Excess	5 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 7-August-2019 to 10-August-2019 5: 11-August-2019 to 14-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
25	Madhya Pradesh	Seoni	593,856	446,094	75%	Moderate wet condition	Normal	3 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 3-August-2019 to 6-August-2019 3: 7-August-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
26	Madhya Pradesh	Shajapur	353,775	276,006	78%	Moderate wet condition	Large Excess	5 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 30-July-2019 to 2-August-2019 5: 7-August-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk

27	Maharashtra	Akola	530,431	309,356	58%	Wet condition	Deficient	3 heavy spells in all phases	1: 2-July-2019 to 5-July-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
28	Maharashtra	Hingoli	430,231	376,406	87%	Moderate wet condition	Deficient	2 heavy spells in all phases	1: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
29	Maharashtra	Latur	746,344	428,138	57%	Moderate wet condition	Large Deficient	1 heavy spell in phase 2	1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
30	Maharashtra	Nanded	944,794	822,788	87%	Moderate wet condition	Large Deficient	1 heavy spell in phase 2	1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
31	Maharashtra	Buldana	898,106	666,131	74%	Wet condition	Large Deficient	4 heavy spells in all phases	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
32	Maharashtra	Yavatmal	1,035,181	840,706	81%	Wet condition	Deficient	3 heavy spells in all phases	1: 28-June-2019 to 1-July-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019	dry conditon for 1 time in phase 1	1: 4-June-2019 to 15-June-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
33	Maharashtra	Sangli	767,063	495,419	65%	Moderate wet condition	Large Deficient	1 heavy spell in phase 2	1: 30-July-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
34	Maharashtra	Solapur	1,452,238	676,531	47%	Moderate water stress	Large Deficient			dry conditon for 1 time in phase 1	1: 11-June-2019 to 17-June-2019	Wet condition	Overall district at moderate risk	District under low risk	Moderate risk

35	Maharashtra	Satara	741,331	471,950	64%	Wet condition	Large Deficient	6 heavy spells in all phases	1: 28-June-2019 to 1-July-2019 2: 2-July-2019 to 5-July-2019 3: 6-July-2019 to 9-July-2019 4: 10-July-2019 to 13-July-2019 5: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	High risk
36	Maharashtra	Nagpur	711,669	416,538	59%	Wet condition	Large Excess	3 heavy spells in all phases	1: 2-July-2019 to 5-July-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
37	Maharashtra	Chandrapur	653,844	400,600	61%	Wet condition	Normal	4 heavy spells in all phases	1: 28-June-2019 to 1-July-2019 2: 2-July-2019 to 5-July-2019 3: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
38	Maharashtra	Washim	478,519	379,481	79%	Moderate wet condition	Large Deficient	3 heavy spells in all phases	1: 24-June-2019 to 27-June-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk

39	Maharashtra	Parbhani	653,081	509,875	78%	Moderate wet condition	Large Deficient	1 heavy spell in phase 2	1: 30-July-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
40	Maharashtra	Amravati	911,194	570,906	63%	Wet condition	Normal	3 heavy spells in all phases	1: 2-July-2019 to 5-July-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
41	Maharashtra	Kolhapur	488,888	381,175	78%	Wet condition	Excess	7 heavy spells in all phases	1: 28-June-2019 to 1-July-2019 2: 2-July-2019 to 5-July-2019 3: 6-July-2019 to 9-July-2019 4: 10-July-2019 to 13-July-2019 5: 22-July-2019 to 25-July-2019 6: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Excess Wet condition	Overall district at moderate risk	District under moderate risk	High risk
42	Maharashtra	Wardha	538,219	328,950	61%	Wet condition	Normal	2 heavy spells in all phases	1: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019	dry conditon for 1 time in phase 1	1: 4-June-2019 to 15-June-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
43	Rajasthan	Bundi	373,044	323,363	87%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
44	Rajasthan	Jhalawar	418,188	345,269	83%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 6-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
45	Rajasthan	Kota	366,731	305,888	83%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

46	Rajasthan	Baran	433,056	341,794	79%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 6-August-2019 to 9-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
47	Rajasthan	Chittaurgarh	463,525	444,869	96%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 25-July-2019 to 28-July-2019 2: 2-August-2019 to 5-August-2019 3: 6-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
48	Telangana	Nizamabad	287,763	242,450	84%	Wet condition	Large Deficient	6 heavy spells in all phases	1: 28-June-2019 to 1-July-2019 2: 2-July-2019 to 5-July-2019 3: 10-July-2019 to 13-July-2019 4: 18-July-2019 to 21-July-2019 5: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
49	Telangana	Adilabad	253,375	217,694	86%	Wet condition	Deficient	3 heavy spells in all phases	1: 28-June-2019 to 1-July-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
50	Telangana	Karimnagar	207,481	203,013	98%	Wet condition	Large Deficient	3 heavy spells in all phases	1: 20-June-2019 to 23-June-2019 2: 26-July-2019 to 29-July-2019 1: 30-July-2019 to 10-August-2019	dry conditon for 1 time in phase 1	1: 4-June-2019 to 15-June-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk

ANNEXURE-IV (PADDY)

Sr. No.	State	District	Total Agriculture Area (ha) (under all Kharif Crops)	Sowing Area till 08 first fortnight (under all Kharif crops)	Sowing % till 08 1st FortNight	Rainfall Status	Weather/Forecast Up to 2 weeks	Wet spell	Wet spell duration Details	Dry spell	Dry spell duration Details	Soil Moisture	Stress on the crop – As per VHI / NDVI report	Stress on the crop – As per VCI	Final Risk (based on Proxy Indicators)
1	Andhra Pradesh	East Godavari	533,450	517,075	97%	Moderate water stress	Large Excess	6 heavy spells in all phases	1: 7-June-2019 to 10-June-2019 2: 19-June-2019 to 22-June-2019 1: 25-July-2019 to 27-July-2019 2: 28-July-2019 to 30-July-2019 3: 31-July-2019 to 2-August-2019 4: 6-August-2019 to 8-August-2019	dry conditon for 1 times in phase 1	1: 11-June-2019 to 17-June-2019	Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
2	Andhra Pradesh	Guntur	879,119	550,950	63%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 25-June-2019 to 28-June-2019	dry conditon for 1 times in phase 1	1: 11-June-2019 to 17-June-2019	Normal condition	Overall district at No risk	District under low risk	Low risk
3	Andhra Pradesh	Sri Potti Sriramulu Nellore	703,031	623,438	89%	Severe water stress	Excess					Wet condition	Overall district at moderate risk	District under low risk	Low risk
4	Andhra Pradesh	Srikakulam	403,206	388,763	96%	Moderate wet condition	Normal	1 heavy spell in phase 1	1: 5-August-2019 to 7-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
5	Andhra Pradesh	Anantapur	1,479,800	524,331	35%	Severe water stress	Large Deficient	3 heavy spells in phase 1	1: 30-May-2019 to 2-June-2019 2: 3-June-2019 to 6-June-2019 3: 7-June-2019 to 10-June-2019	dry conditon for 4 times in all phases	1: 11-June-2019 to 17-June-2019 2: 18-June-2019 to 24-June-2019 1: 25-June-2019 to 1-July-2019 2: 2-July-2019 to 8-July-2019	Wet condition	Overall district at moderate risk	District under no risk	Low risk

6	Andhra Pradesh	Chittoor	834,325	774,481	93%	Severe water stress	Normal			dry conditon for 4 times in all phases	1: 11-June-2019 to 17-June-2019 2: 2-July-2019 to 8-July-2019 1: 30-July-2019 to 5-August-2019 2: 6-August-2019 to 12-August-2019	Wet condition	Overall district at moderate risk	District under moderate risk	Low risk
7	Andhra Pradesh	Krishna	571,950	437,581	77%	Moderate water stress	Deficient	6 heavy spells in all phases	1: 23-June-2019 to 27-June-2019 2: 28-June-2019 to 2-July-2019 1: 9-July-2019 to 15-July-2019 2: 16-July-2019 to 22-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Low risk
8	Andhra Pradesh	Kurnool	1,261,731	625,956	50%	Moderate water stress	Large Deficient			dry conditon for 1 time in phase 1	1: 2-July-2019 to 8-July-2019	Wet condition	Overall district at moderate risk	District under moderate risk	Low risk
9	Andhra Pradesh	Prakasam	1,098,169	818,644	75%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 14-May-2019 to 17-May-2019 2: 7-June-2019 to 10-June-2019 3: 19-June-2019 to 22-June-2019	dry conditon for 2 times in all phases	1: 11-June-2019 to 17-June-2019 1: 2-July-2019 to 8-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
10	Andhra Pradesh	Visakhapatnam	410,806	405,850	99%	Moderate wet condition	Deficient	5 heavy spells in all phases	1: 21-June-2019 to 24-June-2019 1: 25-July-2019 to 28-July-2019 2: 29-July-2019 to 1-August-2019 3: 2-August-2019 to 5-August-2019 4: 6-August-2019 to 9-August-2019	dry conditon for 1 time in phase 1	1: 11-June-2019 to 17-June-2019	Normal condition	Overall district at No risk	District under low risk	Low risk
11	Andhra Pradesh	Vizianagaram	401,738	399,175	99%	Moderate wet condition	Normal	5 heavy spells in all phases	1: 3-June-2019 to 7-June-2019 2: 3-July-2019 to 7-July-2019 1: 23-July-2019 to 29-July-2019 2: 30-			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk

									July-2019 to 5-August-2019 3: 6-August-2019 to 12-August-2019						
12	Andhra Pradesh	West Godavari	529,869	472,900	89%	Moderate wet condition	Normal	4 heavy spells in phase 1	1: 24-July-2019 to 26-July-2019 2: 27-July-2019 to 29-July-2019 3: 2-August-2019 to 4-August-2019 4: 5-August-2019 to 7-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
13	Andhra Pradesh	Y.S.R.	698,325	358,675	51%	Moderate water stress	Large Deficient			dry conditon for 3 times in phase 1	1: 25-June-2019 to 1-July-2019 2: 2-July-2019 to 8-July-2019 3: 6-August-2019 to 12-August-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
14	Assam	Kokrajhar	98,388	97,738	99%	Moderate wet condition	Deficient	10 heavy spells in all phases	1: 11-June-2019 to 15-June-2019 2: 16-June-2019 to 20-June-2019 3: 21-June-2019 to 25-June-2019 4: 26-June-2019 to 30-June-2019 5: 6-July-2019 to 10-July-2019 6: 11-July-2019 to 15-July-2019 7: 16-July-2019 to 20-July-2019 8: 21-July-2019 to 25-July-2019 9: 26-July-2019 to 30-July-2019 1: 6-August-2019 to 10-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
15	Assam	Dhubri	87,756	76,950	88%	Moderate wet condition	Deficient	7 heavy spells in all phases	1: 11-June-2019 to 15-June-2019 2: 16-June-2019 to 20-June-2019 3: 26-June-2019 to 30-June-2019 4: 6-July-2019 to 10-July-2019 5: 11-July-2019 to 15-July-2019 6: 21-July-2019 to 25-July-2019 1: 6-August-2019 to 10-August-2019			Alarm condition	Overall district at risk, 84 % Sub districts at high risk	District under high risk	High risk

16	Assam	Goalpara	66,900	58,694	88%	Moderate wet condition	Deficient	6 heavy spells in phase 1	1: 11-June-2019 to 17-June-2019 2: 18-June-2019 to 24-June-2019 3: 25-June-2019 to 1-July-2019 4: 2-July-2019 to 8-July-2019 5: 9-July-2019 to 15-July-2019 6: 23-July-2019 to 29-July-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
17	Assam	Kamrup	130,944	125,681	96%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 4-June-2019 to 10-June-2019 2: 11-June-2019 to 17-June-2019 3: 25-June-2019 to 1-July-2019 4: 2-July-2019 to 8-July-2019 5: 9-July-2019 to 15-July-2019 6: 23-July-2019 to 29-July-2019 7: 30-July-2019 to 5-August-2019			Wet condition	Overall district at risk, 73 % Sub districts at high risk	District under high risk	High risk
18	Assam	Barpeta	142,163	120,556	85%	Moderate wet condition	Normal	7 heavy spells in phase 1	1: 11-June-2019 to 17-June-2019 2: 18-June-2019 to 24-June-2019 3: 25-June-2019 to 1-July-2019 4: 2-July-2019 to 8-July-2019 5: 9-July-2019 to 15-July-2019 6: 16-July-2019 to 22-July-2019 7: 23-July-2019 to 29-July-2019			Wet condition	Overall district at risk, 89 % Sub districts at high risk	District under low risk	Moderate risk
19	Assam	Nalbari	62,644	59,244	95%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 11-June-2019 to 17-June-2019 2: 25-June-2019 to 1-July-2019 3: 2-July-2019 to 8-July-2019 4: 9-July-2019 to 15-July-2019 5: 16-July-2019 to 22-July-2019 6: 23-July-2019 to 29-July-2019 7: 30-July-2019 to 5-August-2019			Wet condition	Overall district at risk, 78 % Sub districts at high risk	District under high risk	High risk
20	Assam	Darrang	89,644	86,938	97%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 4-June-2019 to 10-June-2019 2: 11-			Wet condition	Overall district	District under no	Moderate risk

								June-2019 to 17-June-2019 3: 25-June-2019 to 1-July-2019 4: 2-July-2019 to 8-July-2019 5: 9-July-2019 to 15-July-2019 6: 16-July-2019 to 22-July-2019 7: 23-July-2019 to 29-July-2019 8: 30-July-2019 to 5-August-2019				at risk, 100 % Sub districts at high risk	risk	
21	Assam	Jorhat	116,500	113,988	98%	Moderate water stress	Normal	12 heavy spells in all phases	1: 9-June-2019 to 11-June-2019 2: 18-June-2019 to 20-June-2019 3: 21-June-2019 to 23-June-2019 4: 24-June-2019 to 26-June-2019 5: 27-June-2019 to 29-June-2019 6: 30-June-2019 to 2-July-2019 7: 3-July-2019 to 5-July-2019 8: 6-July-2019 to 8-July-2019 9: 9-July-2019 to 11-July-2019 10: 21-July-2019 to 23-July-2019 11: 24-July-2019 to 26-July-2019 1: 30-July-2019 to 1-August-2019			Wet condition	Overall district at No risk , 40 % Sub districts at moderate risk	District under high risk	Moderate risk
22	Assam	N.C.Hills	9,369	9,431	100%	Moderate wet condition	Normal	6 heavy spells in phase 1	1: 18-June-2019 to 23-June-2019 2: 24-June-2019 to 29-June-2019 3: 6-July-2019 to 11-July-2019 4: 12-July-2019 to 17-July-2019 5: 24-July-2019 to 29-July-2019 6: 30-July-2019 to 4-August-2019			Wet condition	Overall district at moderate risk	District under low risk	Moderate risk
23	Assam	Karimganj	57,488	46,931	82%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 18-June-2019 to 23-June-2019 2: 24-June-2019 to 29-June-2019 3: 30-June-2019 to 5-July-2019 4: 6-July-2019 to 11-July-2019 5: 12-			Wet condition	Overall district at risk, 60 % Sub districts at high risk	District under high risk	High risk

									July-2019 to 17-July-2019 6: 18-July-2019 to 23-July-2019 7: 24-July-2019 to 29-July-2019 8: 30-July-2019 to 4-August-2019						
24	Assam	Golaghat	173,038	167,325	97%	Moderate water stress	Normal					Wet condition	Overall district at risk, 33 % Sub districts at moderate risk	District under high risk	Moderate risk
25	Assam	Sonitpur	169,444	165,206	97%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 26-July-2019 to 30-July-2019			Wet condition	Overall district at No risk , 50 % Sub districts at high risk	District under high risk	High risk
26	Assam	Lakhimpur	155,900	150,863	97%	Moderate water stress	Deficient	9 heavy spells in all phases	1: 4-June-2019 to 10-June-2019 2: 11-June-2019 to 17-June-2019 3: 18-June-2019 to 24-June-2019 4: 25-June-2019 to 1-July-2019 5: 2-July-2019 to 8-July-2019 6: 9-July-2019 to 15-July-2019 7: 16-July-2019 to 22-July-2019 8: 23-July-2019 to 29-July-2019 1: 30-July-2019 to 5-August-2019			Alarm condition	Overall district at risk, 43 % Sub districts at high risk	District under high risk	High risk
27	Assam	Bongaigaon	35,081	31,600	90%	Moderate wet condition	Normal	7 heavy spells in phase 1	1: 11-June-2019 to 17-June-2019 2: 18-June-2019 to 24-June-2019 3: 25-June-2019 to 1-July-2019 4: 2-July-2019 to 8-July-2019 5: 9-July-2019 to 15-July-2019 6: 16-July-2019 to 22-July-2019 7: 23-July-2019 to 29-			Wet condition	Overall district at risk, 100 % Sub districts at high risk	District under high risk	High risk

									July-2019						
28	Assam	Cachar	131,375	111,675	85%	Moderate wet condition	Normal	9 heavy spells in phase 1	1: 4-June-2019 to 10-June-2019 2: 11-June-2019 to 17-June-2019 3: 18-June-2019 to 24-June-2019 4: 25-June-2019 to 1-July-2019 5: 2-July-2019 to 8-July-2019 6: 9-July-2019 to 15-July-2019 7: 16-July-2019 to 22-July-2019 8: 23-July-2019 to 29-July-2019 9: 30-July-2019 to 5-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
29	Assam	Dhemaji	147,694	143,319	97%	Moderate water stress	Deficient	17 heavy spells in all phases	1: 3-June-2019 to 5-June-2019 2: 6-June-2019 to 8-June-2019 3: 9-June-2019 to 11-June-2019 4: 15-June-2019 to 17-June-2019 5: 21-June-2019 to 23-June-2019 6: 24-June-2019 to 26-June-2019 7: 27-June-2019 to 29-June-2019 8: 30-June-2019 to 2-July-2019 9: 3-July-2019 to 5-July-2019 10: 6-July-2019 to 8-July-2019 11: 9-July-2019 to 11-July-2019 12: 12-July-2019 to 14-July-2019 13: 15-July-2019 to 17-July-2019 14: 21-July-2019 to 23-July-2019 15: 24-July-2019 to 26-July-2019 16: 27-July-2019 to 29-July-2019 1: 30-			Alarm condition	Overall district at high risk	District under high risk	High risk

									July-2019 to 1-August-2019						
30	Assam	Dibrugarh	172,613	168,300	98%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 18-June-2019 to 23-June-2019 2: 24-June-2019 to 29-June-2019 3: 30-June-2019 to 5-July-2019 4: 6-July-2019 to 11-July-2019 5: 12-July-2019 to 17-July-2019 6: 18-July-2019 to 23-July-2019 7: 24-July-2019 to 29-July-2019 8: 30-July-2019 to 4-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
31	Assam	Hailakandi	40,706	36,881	91%	Moderate wet condition	Excess	7 heavy spells in phase 1	1: 18-June-2019 to 23-June-2019 2: 24-June-2019 to 29-June-2019 3: 30-June-2019 to 5-July-2019 4: 6-July-2019 to 11-July-2019 5: 12-July-2019 to 17-July-2019 6: 24-July-2019 to 29-July-2019 7: 30-July-2019 to 4-August-2019			Wet condition	Overall district at No risk , 50 % Sub districts at high risk	District under high risk	Moderate risk
32	Assam	Karbi Anglong East				Moderate water stress	Excess					Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
33	Assam	Karbi Anglong West				Moderate water stress	Normal					Wet condition	Overall district at moderate risk	District under low risk	Moderate risk
34	Assam	Morigaon	96,706	85,731	89%	Moderate water stress	Normal	9 heavy spells in all phases	1: 28-May-2019 to 3-June-2019 2: 4-June-2019 to 10-June-2019 3: 11-June-2019 to 17-June-2019 4: 25-June-2019 to 1-July-2019 5: 2-July-2019 to 8-July-2019 6: 9-July-2019 to 15-			Wet condition	Overall district at risk, 80 % Sub districts at high risk	District under low risk	Moderate risk

									July-2019 7: 16-July-2019 to 22-July-2019 8: 23-July-2019 to 29-July-2019 1: 30-July-2019 to 5-August-2019						
35	Assam	Nagaon	134,581	132,594	99%	Moderate wet condition	Excess	6 heavy spells in phase 1	1: 4-June-2019 to 10-June-2019 2: 11-June-2019 to 17-June-2019 3: 25-June-2019 to 1-July-2019 4: 2-July-2019 to 8-July-2019 5: 9-July-2019 to 15-July-2019 6: 23-July-2019 to 29-July-2019			Wet condition	Overall district at risk, 72 % Sub districts at high risk	District under moderate risk	Moderate risk
36	Assam	Sivasagar	104,431	101,863	98%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 4-June-2019 to 10-June-2019 2: 11-June-2019 to 17-June-2019 3: 18-June-2019 to 24-June-2019 4: 25-June-2019 to 1-July-2019 5: 2-July-2019 to 8-July-2019 6: 9-July-2019 to 15-July-2019 7: 23-July-2019 to 29-July-2019 8: 30-July-2019 to 5-August-2019			Wet condition	Overall district at moderate risk	District under low risk	Low risk
37	Assam	Tinsukia	152,288	151,088	99%	Moderate water stress	Large Deficient	14 heavy spells in all phases	1: 3-June-2019 to 5-June-2019 2: 9-June-2019 to 11-June-2019 3: 15-June-2019 to 17-June-2019 4: 21-June-2019 to 23-June-2019 5: 24-June-2019 to 26-June-2019 6: 27-June-2019 to 29-June-2019 7: 6-July-2019 to 8-July-2019 8: 9-July-2019 to 11-July-2019 9: 12-July-2019 to 14-			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

									July-2019 10: 15-July-2019 to 17-July-2019 11: 18-July-2019 to 20-July-2019 12: 21-July-2019 to 23-July-2019 13: 27-July-2019 to 29-July-2019 1: 30-July-2019 to 1-August-2019						
38	Bihar	Aurangabad	331,319	197,263	60%	Moderate wet condition	Excess	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk
39	Bihar	Vaishali	143,006	130,225	91%	Moderate wet condition	Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019	dry conditon for 1 time in phase 2	1: 30-July-2019 to 5-August-2019	Normal condition	Overall district at No risk	District under no risk	Low risk
40	Bihar	Rohtas	301,606	165,069	55%	Moderate wet condition	Excess	3 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 1: 4-August-2019 to 7-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
41	Bihar	Saran	231,225	190,875	83%	Moderate wet condition	Excess	3 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
42	Bihar	Gaya	412,394	398,325	97%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 16-July-2019 to 22-July-2019	Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk

43	Bihar	Bhojpur	232,375	138,275	60%	Moderate wet condition	Normal	3 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk
44	Bihar	Madhubani	296,938	283,794	96%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 53 % Sub districts at high risk	District under high risk	Moderate risk
45	Bihar	Muzaffarpur	237,656	198,163	83%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
46	Bihar	Nawada	188,975	186,494	99%	Moderate wet condition	Large Excess	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk
47	Bihar	Araria	258,519	256,619	99%	Wet condition	Deficient	4 heavy spells in all phases	1: 18-June-2019 to 21-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Wet condition	Overall district at moderate risk	District under low risk	Moderate risk
48	Bihar	Banka	212,281	209,019	98%	Moderate wet condition	Excess	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
49	Bihar	Begusarai	162,006	148,825	92%	Moderate wet condition	Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk

50	Bihar	Bhagalpur	241,744	214,950	89%	Moderate wet condition	Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
51	Bihar	Buxar	178,781	97,856	55%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at moderate risk	District under low risk	Low risk
52	Bihar	Darbhanga	240,494	185,369	77%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 45 % Sub districts at high risk	District under high risk	Moderate risk
53	Bihar	Gopalganj	192,138	157,331	82%	Wet condition	Normal	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
54	Bihar	Jamui	182,706	176,381	97%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
55	Bihar	Jehanabad	88,581	80,431	91%	Moderate wet condition	Normal	2 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk
56	Bihar	Katihar	298,350	287,875	96%	Moderate wet condition	Excess	5 heavy spells in all phases	1: 26-June-2019 to 29-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019 2: 31-July-2019 to 3-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk

57	Bihar	Khagaria	143,950	114,256	79%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
58	Bihar	Kishanganj	184,006	182,238	99%	Wet condition	Normal	5 heavy spells in all phases	1: 26-June-2019 to 29-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019			Wet condition	Overall district at risk, 57 % Sub districts at moderate risk	District under low risk	Moderate risk
59	Bihar	Lakhisarai	98,950	84,131	85%	Moderate wet condition	Excess	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk
60	Bihar	Madhepura	186,200	177,981	96%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 38 % Sub districts at moderate risk	District under low risk	Low risk
61	Bihar	Munger	100,063	78,594	79%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
62	Bihar	Nalanda	246,575	232,619	94%	Moderate wet condition	Normal	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
63	Bihar	Pashchim Champaran	465,613	456,763	98%	Wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under no risk	Low risk

64	Bihar	Patna	328,788	272,331	83%	Moderate wet condition	Excess	2 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
65	Bihar	Purba Champaran	371,019	316,256	85%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 56 % Sub districts at high risk	District under high risk	High risk
66	Bihar	Purnia	333,381	329,313	99%	Moderate wet condition	Normal	5 heavy spells in all phases	1: 26-June-2019 to 29-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019 2: 31-July-2019 to 3-August-2019			Wet condition	Overall district at risk, 50 % Sub districts at high risk	District under high risk	High risk
67	Bihar	Saharsa	162,388	146,644	90%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 40 % Sub districts at moderate risk	District under low risk	Low risk
68	Bihar	Samastipur	238,975	219,988	92%	Moderate wet condition	Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
69	Bihar	Sheikhpura	71,144	61,700	87%	Moderate wet condition	Large Excess	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Alarm condition	Overall district at high risk	District under extreme risk	High risk
70	Bihar	Sheohar	42,013	36,956	88%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 80 % Sub districts at high risk	District under high risk	Moderate risk

71	Bihar	Sitamarhi	221,088	205,081	93%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at risk, 65 % Sub districts at high risk	District under high risk	High risk
72	Bihar	Siwan	235,350	156,569	67%	Wet condition	Normal	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
73	Bihar	Supaul	214,788	209,088	97%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Wet condition	Overall district at risk, 45 %Sub districts at low risk	District under low risk	Low risk
74	Chhattisgarh	Raipur	313,975	209,056	67%	Moderate water stress	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-July-2019 to 5-August-2019 6: 6-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
75	Chhattisgarh	Rajnandgaon	494,875	424,131	86%	Moderate water stress	Large Excess	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 26-July-2019 to 29-July-2019 3: 7-August-2019 to 10-August-2019 4: 11-August-2019 to 14-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
76	Chhattisgarh	Surguja	199,875	170,800	85%	Moderate water stress	Normal	1 heavy spell in phase 1	1: 12-August-2019 to 15-August-2019			Wet condition	Overall district at moderate risk	District under low risk	Low risk
77	Chhattisgarh	Bastar				Wet condition	Normal	6 heavy spells in all phases	1: 17-June-2019 to 20-June-2019 2: 21-June-2019 to 24-June-2019 3: 3-July-2019 to 6-July-2019 4: 7-			Normal condition	Overall district at No risk	District under moderate risk	Low risk

									July-2019 to 10-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019						
78	Chhattisgarh	Durg	137,025	109,125	80%	Moderate wet condition	Large Excess	3 heavy spells in all phases	1: 21-June-2019 to 24-June-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under low risk	Low risk
79	Chhattisgarh	Korba	276,419	241,913	88%	Moderate wet condition	Excess	5 heavy spells in all phases	1: 21-June-2019 to 24-June-2019 2: 3-July-2019 to 6-July-2019 3: 7-July-2019 to 10-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019	dry conditon for 1 time in phase 1	1: 4-June-2019 to 10-June-2019	Wet condition	Overall district at moderate risk	District under low risk	Low risk
80	Chhattisgarh	Janjgir - Champa	349,375	184,863	53%	Moderate wet condition	Large Excess	3 heavy spells in all phases	1: 3-July-2019 to 6-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019	dry conditon for 1 time in phase 1	1: 4-June-2019 to 10-June-2019	Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
81	Chhattisgarh	Bilaspur	360,275	272,106	76%	Moderate wet condition	Large Excess	4 heavy spells in all phases	1: 3-July-2019 to 6-July-2019 2: 7-July-2019 to 10-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019	dry conditon for 1 time in phase 1	1: 4-June-2019 to 10-June-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
82	Chhattisgarh	Uttar Bastar Kanker	359,463	347,231	97%	Moderate wet condition	Large Excess	4 heavy spells in all phases	1: 21-June-2019 to 24-June-2019 2: 3-July-2019 to 6-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
83	Chhattisgarh	Dakshin Bastar Dantewada	147,806	143,969	97%	Moderate wet condition	Normal	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-July-2019 to 5-August-2019 6: 6-August-2019 to 12-			Normal condition	Overall district at No risk	District under moderate risk	Low risk

								August-2019						
84	Chhattisgarh	Dhamtari	187,913	163,750	87%	Normal rainfall status	Large Excess	5 heavy spells in phase 1	1: 6-July-2019 to 9-July-2019 2: 26-July-2019 to 29-July-2019 3: 30-July-2019 to 2-August-2019 4: 7-August-2019 to 10-August-2019 5: 11-August-2019 to 14-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
85	Chhattisgarh	Jashpur	272,963	257,388	94%	Moderate water stress	Normal	2 heavy spells in phase 1	1: 8-August-2019 to 11-August-2019 2: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
86	Chhattisgarh	Kabeerdham	273,663	241,806	88%	Moderate wet condition	Large Excess	5 heavy spells in all phases	1: 29-June-2019 to 2-July-2019 2: 3-July-2019 to 6-July-2019 3: 7-July-2019 to 10-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
87	Chhattisgarh	Koriya	157,325	149,831	95%	Moderate wet condition	Large Excess	4 heavy spells in all phases	1: 3-July-2019 to 6-July-2019 2: 7-July-2019 to 10-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019	dry conditon for 2 times in phase 1	1: 28-May-2019 to 3-June-2019 2: 4-June-2019 to 10-June-2019	Wet condition	Overall district at moderate risk	District under low risk	Moderate risk
88	Chhattisgarh	Mahasamund	355,294	320,381	90%	Wet condition	Large Excess	3 heavy spells in all phases	1: 3-July-2019 to 6-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
89	Chhattisgarh	Raigarh	410,738	348,200	85%	Moderate wet condition	Large Excess	5 heavy spells in all phases	1: 21-June-2019 to 24-June-2019 2: 3-July-2019 to 6-July-2019 3: 7-July-2019 to 10-July-2019 1: 23-July-2019 to 1-August-2019 2: 2-August-2019 to 11-	dry conditon for 1 time in phase 1	1: 4-June-2019 to 10-June-2019	Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

									August-2019						
90	Haryana	Bhiwani	376,881	353,731	94%	Moderate water stress	Deficient	2 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
91	Haryana	Faridabad	54,256	49,969	92%	Moderate water stress	Deficient	2 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 12-August-2019 to 15-August-2019	dry conditon for 3 times in all phases	1: 25-June-2019 to 1-July-2019 2: 9-July-2019 to 15-July-2019 1: 30-July-2019 to 5-August-2019	Wet condition	Overall district at moderat e risk	District under low risk	Moderat e risk
92	Haryana	Kaithal	262,719	255,656	97%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 2 times in all phases	1: 25-June-2019 to 1-July-2019 1: 6-August-2019 to 12-August-2019	Watch condition	Overall district at moderat e risk	District under low risk	Low risk
93	Haryana	Kurukshetra	184,744	181,906	98%	Moderate water stress	Deficient	3 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at moderat e risk	District under moderat e risk	Moderat e risk
94	Haryana	Panchkula	42,469	42,450	100%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
95	Haryana	Sirsa	480,131	476,550	99%	Severe water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under moderat e risk	Low risk
96	Haryana	Ambala	157,113	155,975	99%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 12-July-2019 to 15-July-2019			Watch condition	Overall district at moderat e risk	District under moderat e risk	Moderat e risk

97	Haryana	Fatehabad	287,400	285,275	99%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019			Watch condition	Overall district at moderate risk	District under moderate risk	Moderate risk
98	Haryana	Gurgaon	99,163	92,519	93%	Moderate water stress	Normal	2 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Wet condition	Overall district at moderate risk	District under low risk	Low risk
99	Haryana	Hisar	449,181	421,288	94%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
100	Haryana	Jhajjar	198,388	161,350	81%	Moderate water stress	Deficient	2 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under no risk	Low risk
101	Haryana	Jind	315,194	287,213	91%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 2 times in all phases	1: 25-June-2019 to 1-July-2019 1: 6-August-2019 to 12-August-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
102	Haryana	Karnal	268,263	263,244	98%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under low risk	Moderate risk
103	Haryana	Panipat	130,894	116,563	89%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under no risk	Moderate risk
104	Haryana	Rewari	166,931	159,581	96%	Moderate water stress	Normal	2 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 2	1: 30-July-2019 to 5-August-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
105	Haryana	Rohtak	178,369	151,000	85%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk

106	Haryana	Sonipat	226,269	194,325	86%	Moderate water stress	Normal	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
107	Haryana	Yamunanagar	173,119	172,706	100%	Normal rainfall status	Deficient	6 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019 2: 31-July-2019 to 3-August-2019 3: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
108	Jharkhand	Dumka	276,794	276,463	100%	Moderate water stress	Excess	1 heavy spell in phase 2	1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Moderate risk
109	Jharkhand	Garhwa	202,844	198,513	98%	Moderate wet condition	Large Excess	5 heavy spells in all phases	1: 18-June-2019 to 21-June-2019 2: 22-June-2019 to 25-June-2019 3: 4-July-2019 to 7-July-2019 4: 8-July-2019 to 11-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
110	Jharkhand	Gumla	340,006	327,006	96%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
111	Jharkhand	Bokaro	175,163	174,075	99%	Moderate wet condition	Large Excess	3 heavy spells in all phases	1: 30-June-2019 to 3-July-2019 1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
112	Jharkhand	Chatra	131,638	128,050	97%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk

113	Jharkhand	Deoghar	182,581	180,994	99%	Moderate wet condition	Excess	1 heavy spell in phase 2	1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
114	Jharkhand	Dhanbad	127,413	126,725	99%	Normal rainfall status	Large Excess	2 heavy spells in phase 2	1: 23-July-2019 to 26-July-2019 2: 27-July-2019 to 30-July-2019			Watch condition	Overall district at No risk	District under high risk	Low risk
115	Jharkhand	Giridih	323,156	303,919	94%	Moderate wet condition	Normal	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
116	Jharkhand	Godda	170,963	171,619	100%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Low risk
117	Jharkhand	Hazaribagh	173,544	170,700	98%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 1: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
118	Jharkhand	Kodarma	62,381	61,175	98%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
119	Jharkhand	Lohardaga	92,800	90,650	98%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
120	Jharkhand	Pakur	138,281	135,438	98%	Moderate water stress	Normal	2 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk

121	Jharkhand	Palamu	246,213	243,756	99%	Moderate wet condition	Excess	6 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019 3: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
122	Jharkhand	Pashchimi Singhbhum	268,106	263,250	98%	Normal rainfall status	Normal	3 heavy spells in all phases	1: 30-June-2019 to 3-July-2019 1: 27-July-2019 to 30-July-2019 2: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
123	Jharkhand	Purbi Singhbhum	188,513	187,656	100%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 18-June-2019 to 21-June-2019 2: 30-June-2019 to 3-July-2019 1: 27-July-2019 to 30-July-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 9-July-2019 to 15-July-2019	Watch condition	Overall district at No risk	District under high risk	Moderate risk
124	Jharkhand	Ranchi	310,819	299,556	96%	Moderate wet condition	Excess	2 heavy spells in all phases	1: 30-June-2019 to 3-July-2019 1: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
125	Jharkhand	Sahibganj	122,988	117,869	96%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Low risk
126	Madhya Pradesh	Betul	651,138	517,613	79%	Moderate wet condition	Large Excess	5 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 4-August-2019 to 7-August-2019 4: 8-August-2019 to 11-August-2019 5: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
127	Madhya Pradesh	Balaghat	405,656	328,763	81%	Normal rainfall status	Large Excess	4 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 8-August-2019 to 11-August-2019 4: 12-August-2019 to 15-			Normal condition	Overall district at No risk	District under moderate risk	Low risk

									August-2019						
128	Madhya Pradesh	Raisen	552,381	319,581	58%	Moderate wet condition	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-July-2019 to 5-August-2019 6: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
129	Madhya Pradesh	Sehore	528,094	344,931	65%	Moderate wet condition	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 30-July-2019 to 2-August-2019 5: 3-August-2019 to 6-August-2019 6: 7-August-2019 to 10-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
130	Madhya Pradesh	Sheopur	246,438	169,963	69%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 23-July-2019 to 26-July-2019 2: 27-July-2019 to 30-July-2019 3: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
131	Madhya Pradesh	Rewa	565,213	505,613	89%	Moderate water stress	Large Excess					Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
132	Madhya Pradesh	Mandla	376,344	302,825	80%	Moderate wet condition	Large Excess					Normal condition	Overall district at No risk	District under high risk	Low risk
133	Madhya Pradesh	Rajgarh	587,069	442,281	75%	Moderate water stress	Large Excess	5 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 16-July-2019 to 22-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019 5: 6-			Alarm condition	Overall district at No risk	District under extreme risk	High risk

									August-2019 to 12-August-2019						
134	Madhya Pradesh	Barwani	335,188	213,156	64%	Normal rainfall status	Large Deficient	3 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 8-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
135	Madhya Pradesh	Bhind	441,469	288,644	65%	Severe water stress	Large Excess					Watch condition	Overall district at No risk	District under high risk	High risk
136	Madhya Pradesh	Bhopal	218,744	137,738	63%	Normal rainfall status	Large Excess	5 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 16-July-2019 to 22-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019 5: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Low risk
137	Madhya Pradesh	Chhatarpur	675,956	614,563	91%	Moderate water stress	Large Excess	4 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 11-August-2019 to 14-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
138	Madhya Pradesh	Chhindwara	773,781	505,019	65%	Moderate water stress	Large Excess	5 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 4-August-2019 to 7-August-2019 4: 8-August-2019 to 11-August-2019 5: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
139	Madhya Pradesh	Damoh	436,681	330,994	76%	Moderate water stress	Large Excess					Normal condition	Overall district at No risk	District under high risk	Moderate risk

140	Madhya Pradesh	Datia	267,750	212,531	79%	Moderate water stress	Large Excess			dry conditon for 1 time in phase 1	1: 13-July-2019 to 23-July-2019	Watch condition	Overall district at No risk	District under low risk	Moderate risk
141	Madhya Pradesh	Dewas	511,444	355,000	69%	Moderate wet condition	Excess	5 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 16-July-2019 to 22-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019 5: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
142	Madhya Pradesh	Dhar	702,450	520,344	74%	Normal rainfall status	Large Deficient	2 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 8-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Low risk
143	Madhya Pradesh	Dindori	357,888	308,588	86%	Moderate water stress	Excess	3 heavy spells in phase 1	1: 4-August-2019 to 7-August-2019 2: 8-August-2019 to 11-August-2019 3: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
144	Madhya Pradesh	Guna	489,231	369,638	76%	Moderate water stress	Large Excess	5 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019 5: 6-August-2019 to 12-August-2019			Watch condition	Overall district at No risk	District under extreme risk	High risk
145	Madhya Pradesh	Gwalior	288,256	188,781	65%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
146	Madhya Pradesh	Harda	253,381	233,688	92%	Moderate wet condition	Large Excess	5 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 4-August-2019 to 7-August-2019 4: 8-August-2019 to 11-August-2019 5: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk

147	Madhya Pradesh	Hoshangabad	420,744	317,844	76%	Moderate water stress	Large Excess					Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
148	Madhya Pradesh	Jabalpur	402,956	269,844	67%	Moderate wet condition	Large Excess					Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
149	Madhya Pradesh	Jhabua	281,638	187,425	67%	Normal rainfall status	Large Deficient	5 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 16-July-2019 to 22-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019 5: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
150	Madhya Pradesh	Katni	343,525	311,394	91%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019 3: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
151	Madhya Pradesh	Khandwa (East Nimar)	472,625	373,363	79%	Moderate wet condition	Normal	3 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 8-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
152	Madhya Pradesh	Khargone (West Nimar)	545,181	415,456	76%	Normal rainfall status	Deficient	5 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 16-July-2019 to 22-July-2019 3: 23-July-2019 to 29-July-2019 4: 30-July-2019 to 5-August-2019 5: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
153	Madhya Pradesh	Morena	358,631	320,219	89%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk

154	Madhya Pradesh	Narsimhapur	402,531	326,650	81%	Normal rainfall status	Large Excess	5 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 4-August-2019 to 7-August-2019 4: 8-August-2019 to 11-August-2019 5: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Low risk
155	Madhya Pradesh	Panna	386,244	343,200	89%	Severe water stress	Large Excess					Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
156	Madhya Pradesh	Ratlam	430,488	344,125	80%	Moderate water stress	Deficient					Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
157	Madhya Pradesh	Sagar	713,669	491,669	69%	Normal rainfall status	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-July-2019 to 5-August-2019 6: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Low risk
158	Madhya Pradesh	Satna	533,225	499,938	94%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
159	Madhya Pradesh	Seoni	593,856	446,094	75%	Normal rainfall status	Normal	4 heavy spells in phase 1	1: 31-July-2019 to 3-August-2019 2: 4-August-2019 to 7-August-2019 3: 8-August-2019 to 11-August-2019 4: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
160	Madhya Pradesh	Shahdol	376,206	357,981	95%	Moderate water stress	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk

									July-2019 to 5-August-2019 6: 6-August-2019 to 12-August-2019						
161	Madhya Pradesh	Shajapur	353,775	276,006	78%	Moderate wet condition	Large Excess	5 heavy spells in phase 1	1: 2-July-2019 to 5-July-2019 2: 6-July-2019 to 9-July-2019 3: 26-July-2019 to 29-July-2019 4: 30-July-2019 to 2-August-2019 5: 7-August-2019 to 10-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
162	Madhya Pradesh	Shivpuri	621,544	515,356	83%	Moderate water stress	Large Excess	1 heavy spell in phase 1	1: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
163	Madhya Pradesh	Sidhi	275,219	264,088	96%	Moderate water stress	Large Excess					Normal condition	Overall district at No risk	District under high risk	Moderate risk
164	Madhya Pradesh	Tikamgarh	442,656	403,031	91%	Moderate water stress	Large Excess					Normal condition	Overall district at No risk	District under high risk	Moderate risk
165	Madhya Pradesh	Umaria	218,656	211,569	97%	Moderate water stress	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-July-2019 to 5-August-2019 6: 6-August-2019 to 12-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
166	Madhya Pradesh	Vidisha	681,294	499,338	73%	Moderate wet condition	Large Excess	6 heavy spells in phase 1	1: 2-July-2019 to 8-July-2019 2: 9-July-2019 to 15-July-2019 3: 16-July-2019 to 22-July-2019 4: 23-July-2019 to 29-July-2019 5: 30-July-2019 to 5-August-2019 6: 6-			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk

									August-2019 to 12-August-2019						
167	Maharashtra	Chandrapur	653,844	400,600	61%	Moderate wet condition	Normal	4 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 1-July-2019 to 10-July-2019 3: 21-July-2019 to 30-July-2019 4: 31-July-2019 to 9-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
168	Maharashtra	Ahmadnagar	1,526,638	841,806	55%	Moderate water stress	Large Deficient			dry conditon for 2 times in phase 1	1: 3-June-2019 to 7-June-2019 2: 13-June-2019 to 17-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Low risk
169	Maharashtra	Raigarh	174,950	128,719	74%	Wet condition	Excess	7 heavy spells in all phases	1: 28-June-2019 to 30-June-2019 2: 1-July-2019 to 3-July-2019 3: 7-July-2019 to 9-July-2019 1: 24-July-2019 to 27-July-2019 2: 28-July-2019 to 31-July-2019 3: 1-August-2019 to 4-August-2019 4: 5-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
170	Maharashtra	Nagpur	711,669	416,538	59%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 1-July-2019 to 10-July-2019 3: 21-July-2019 to 30-July-2019 4: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
171	Maharashtra	Amravati	911,194	570,906	63%	Moderate wet condition	Normal	4 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 1-July-2019 to 10-July-2019 3: 21-July-2019 to 30-July-2019 4: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk

172	Maharashtra	Aurangabad	948,894	495,025	52%	Moderate water stress	Large Deficient			dry conditon for 3 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019 3: 13-June-2019 to 17-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
173	Maharashtra	Bhandara	278,981	186,131	67%	Moderate wet condition	Large Excess			dry conditon for 2 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Low risk
174	Maharashtra	Bid	967,731	452,269	47%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 11-July-2019 to 20-July-2019 2: 21-July-2019 to 30-July-2019 3: 31-July-2019 to 9-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
175	Maharashtra	Buldana	898,106	666,131	74%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 1-July-2019 to 10-July-2019 3: 21-July-2019 to 30-July-2019 4: 31-July-2019 to 9-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
176	Maharashtra	Dhule	538,350	215,275	40%	Moderate wet condition	Large Deficient			dry conditon for 1 times in phase 1	1: 8-June-2019 to 12-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
177	Maharashtra	Gadchiroli	347,300	292,206	84%	Moderate wet condition	Large Excess	1 heavy spell in phase 2	1: 28-July-2019 to 31-July-2019	dry conditon for 1 times in phase 1	1: 3-June-2019 to 7-June-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
178	Maharashtra	Gondiya	268,881	223,606	83%	Moderate wet condition	Large Excess	3 heavy spells in phase 1	1: 1-July-2019 to 10-July-2019 2: 21-July-2019 to 30-July-2019 3: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
179	Maharashtra	Hingoli	430,231	376,406	87%	Normal rainfall status	Deficient	3 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 21-July-2019 to 30-July-2019 3: 31-July-2019 to 9-August-2019			Watch condition	Overall district at No risk	District under high risk	Low risk

180	Maharashtra	Jalgaon	1,010,844	828,531	82%	Moderate wet condition	Deficient			dry conditon for 4 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019 3: 8-June-2019 to 12-June-2019 4: 18-June-2019 to 22-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Low risk
181	Maharashtra	Jalna	787,669	434,075	55%	Moderate water stress	Large Deficient			dry conditon for 1 times in phase 1	1: 13-June-2019 to 17-June-2019	Watch condition	Overall district at No risk	District under extreme risk	High risk
182	Maharashtra	Kolhapur	488,888	381,175	78%	Wet condition	Excess	6 heavy spells in phase 1	1: 11-June-2019 to 20-June-2019 2: 21-June-2019 to 30-June-2019 3: 1-July-2019 to 10-July-2019 4: 11-July-2019 to 20-July-2019 5: 21-July-2019 to 30-July-2019 6: 31-July-2019 to 9-August-2019			Excess Wet condition	Overall district at No risk	District under moderate risk	High risk
183	Maharashtra	Latur	746,344	428,138	57%	Moderate water stress	Large Deficient	2 heavy spells in phase 1	1: 11-July-2019 to 20-July-2019 2: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
184	Maharashtra	Nanded	944,794	822,788	87%	Moderate water stress	Large Deficient			dry conditon for 3 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019 3: 8-June-2019 to 12-June-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
185	Maharashtra	Nandurbar	390,225	232,225	60%	Moderate wet condition	Large Deficient	1 heavy spell in phase 2	1: 1-August-2019 to 4-August-2019	dry conditon for 2 times in phase 1	1: 3-June-2019 to 7-June-2019 2: 8-June-2019 to 12-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Low risk

186	Maharashtra	Nashik	1,199,256	654,456	55%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 1-July-2019 to 10-July-2019 3: 21-July-2019 to 30-July-2019 4: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
187	Maharashtra	Osmanabad	737,869	404,919	55%	Severe water stress	Large Deficient	1 heavy spell in phase 1	1: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
188	Maharashtra	Parbhani	653,081	509,875	78%	Moderate water stress	Large Deficient			dry conditon for 2 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 13-June-2019 to 17-June-2019	Normal condition	Overall district at No risk	District under extreme risk	Low risk
189	Maharashtra	Pune	1,071,475	778,006	73%	Moderate wet condition	Large Deficient	1 heavy spell in phase 2	1: 1-August-2019 to 4-August-2019	dry conditon for 1 times in phase 1	1: 29-May-2019 to 2-June-2019	Wet condition	Overall district at No risk	District under high risk	Moderate risk
190	Maharashtra	Ratnagiri	75,681	69,231	91%	Wet condition	Excess	6 heavy spells in phase 1	1: 11-June-2019 to 20-June-2019 2: 21-June-2019 to 30-June-2019 3: 1-July-2019 to 10-July-2019 4: 11-July-2019 to 20-July-2019 5: 21-July-2019 to 30-July-2019 6: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under low risk	Moderate risk
191	Maharashtra	Sangli	767,063	495,419	65%	Moderate wet condition	Large Deficient	3 heavy spells in phase 1	1: 1-July-2019 to 10-July-2019 2: 21-July-2019 to 30-July-2019 3: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
192	Maharashtra	Satara	741,331	471,950	64%	Wet condition	Large Deficient	4 heavy spells in all phases	1: 7-July-2019 to 9-July-2019 1: 28-July-2019 to 31-July-2019 2: 1-August-2019 to 4-August-2019 3: 5-August-2019 to 8-August-2019	dry conditon for 2 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019	Wet condition	Overall district at No risk	District under high risk	Moderate risk

193	Maharashtra	Sindhudurg	23,338	16,569	71%	Wet condition	Large Excess	8 heavy spells in all phases	1: 28-June-2019 to 30-June-2019 2: 10-July-2019 to 12-July-2019 1: 16-July-2019 to 19-July-2019 2: 20-July-2019 to 23-July-2019 3: 24-July-2019 to 27-July-2019 4: 28-July-2019 to 31-July-2019 5: 1-August-2019 to 4-August-2019 6: 5-August-2019 to 8-August-2019	dry conditon for 1 times in phase 1	1: 29-May-2019 to 2-June-2019	Wet condition	Overall district at No risk	District under low risk	Moderate risk
194	Maharashtra	Solapur	1,452,238	676,531	47%	Severe water stress	Large Deficient	2 heavy spells in phase 1	1: 21-July-2019 to 30-July-2019 2: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under low risk	Moderate risk
195	Maharashtra	Thane	148,588	100,200	67%	Wet condition	Excess	6 heavy spells in phase 1	1: 11-June-2019 to 20-June-2019 2: 21-June-2019 to 30-June-2019 3: 1-July-2019 to 10-July-2019 4: 11-July-2019 to 20-July-2019 5: 21-July-2019 to 30-July-2019 6: 31-July-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
196	Maharashtra	Wardha	538,219	328,950	61%	Moderate wet condition	Normal	1 heavy spell in phase 2	1: 28-July-2019 to 31-July-2019	dry conditon for 4 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019 3: 8-June-2019 to 12-June-2019 4: 13-June-2019 to 17-June-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
197	Maharashtra	Washim	478,519	379,481	79%	Normal rainfall status	Large Deficient			dry conditon for 3 times in phase 1	1: 29-May-2019 to 2-June-2019 2: 3-June-2019 to 7-June-2019 3: 13-June-2019 to 17-June-2019	Watch condition	Overall district at No risk	District under low risk	Low risk

198	Maharashtra	Yavatmal	1,035,181	840,706	81%	Moderate wet condition	Deficient	4 heavy spells in phase 1	1: 21-June-2019 to 30-June-2019 2: 1-July-2019 to 10-July-2019 3: 21-July-2019 to 30-July-2019 4: 31-July-2019 to 9-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
199	Odisha	Dhenkanal	262,375	261,125	100%	Moderate wet condition	Normal	7 heavy spells in all phases	1: 10-June-2019 to 15-June-2019 2: 16-June-2019 to 21-June-2019 3: 28-June-2019 to 3-July-2019 4: 4-July-2019 to 9-July-2019 5: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
200	Odisha	Ganjam	479,131	475,813	99%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 18-June-2019 to 22-June-2019 2: 28-June-2019 to 2-July-2019 3: 3-July-2019 to 7-July-2019 4: 18-July-2019 to 22-July-2019 5: 23-July-2019 to 27-July-2019 6: 28-July-2019 to 1-August-2019 7: 2-August-2019 to 6-August-2019 8: 7-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
201	Odisha	Mayurbhanj	608,388	603,400	99%	Normal rainfall status	Normal	6 heavy spells in all phases	1: 10-June-2019 to 15-June-2019 2: 16-June-2019 to 21-June-2019 3: 28-June-2019 to 3-July-2019 4: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
202	Odisha	Rayagada	259,238	253,906	98%	Moderate wet condition	Excess	7 heavy spells in phase 1	1: 29-June-2019 to 4-July-2019 2: 5-July-2019 to 10-July-2019 3: 17-July-2019 to 22-July-2019 4: 23-	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Moderate risk

								July-2019 to 28-July-2019 5: 29-July-2019 to 3-August-2019 6: 4-August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019						
203	Odisha	Sambalpur	321,556	302,550	94%	Moderate wet condition	Excess	6 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 23-July-2019 to 28-July-2019 5: 4-August-2019 to 9-August-2019 6: 10-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
204	Odisha	Baleshwar	291,463	262,244	90%	Moderate water stress	Normal	3 heavy spells in phase 1	1: 28-June-2019 to 2-July-2019 2: 23-July-2019 to 27-July-2019 3: 28-July-2019 to 1-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
205	Odisha	Jajapur	208,156	201,113	97%	Moderate wet condition	Excess	7 heavy spells in all phases	1: 10-June-2019 to 15-June-2019 2: 16-June-2019 to 21-June-2019 3: 28-June-2019 to 3-July-2019 4: 4-July-2019 to 9-July-2019 5: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
206	Odisha	Kendujhar	412,744	393,494	95%	Normal rainfall status	Excess	3 heavy spells in phase 2	1: 24-July-2019 to 27-July-2019 2: 28-July-2019 to 31-July-2019 3: 5-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Low risk
207	Odisha	Baudh	157,419	156,350	99%	Moderate wet condition	Normal	7 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 23-July-2019 to 28-July-2019 5: 29-July-2019 to 3-August-2019 6: 4-	dry conditon for 1 time in phase 1	1: 9-July-2019 to 15-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk

									August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019						
208	Odisha	Bargarh	477,256	465,750	98%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 23-July-2019 to 28-July-2019 5: 29-July-2019 to 3-August-2019 6: 4-August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 9-July-2019 to 15-July-2019	Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
209	Odisha	Nuapada	218,156	210,844	97%	Moderate wet condition	Normal	7 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 23-July-2019 to 28-July-2019 5: 29-July-2019 to 3-August-2019 6: 4-August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
210	Odisha	Kalahandi	491,550	473,794	96%	Moderate wet condition	Large Excess	8 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 17-July-2019 to 22-July-2019 5: 23-July-2019 to 28-July-2019 6: 29-July-2019 to 3-August-2019 7: 4-August-2019 to 9-August-2019 8: 10-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under high risk	Moderate risk
211	Odisha	Kendrapara	194,438	180,600	93%	Normal rainfall status	Normal	6 heavy spells in all phases	1: 16-June-2019 to 21-June-2019 2: 28-June-2019 to 3-July-2019 3: 4-July-2019 to 9-July-2019 4: 22-July-2019 to 27-			Normal condition	Overall district at No risk	District under high risk	Low risk

									July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019						
212	Odisha	Khordha	152,350	132,513	87%	Moderate wet condition	Deficient	12 heavy spells in phase 1	1: 3-June-2019 to 7-June-2019 2: 8-June-2019 to 12-June-2019 3: 13-June-2019 to 17-June-2019 4: 18-June-2019 to 22-June-2019 5: 28-June-2019 to 2-July-2019 6: 3-July-2019 to 7-July-2019 7: 8-July-2019 to 12-July-2019 8: 18-July-2019 to 22-July-2019 9: 23-July-2019 to 27-July-2019 10: 28-July-2019 to 1-August-2019 11: 2-August-2019 to 6-August-2019 12: 7-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
213	Odisha	Subarnapur	183,575	177,256	97%	Moderate wet condition	Excess	7 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 23-July-2019 to 28-July-2019 5: 29-July-2019 to 3-August-2019 6: 4-August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 9-July-2019 to 15-July-2019	Normal condition	Overall district at No risk	District under high risk	Moderate risk
214	Odisha	Nayagarh	171,231	165,169	96%	Moderate wet condition	Excess	9 heavy spells in phase 1	1: 8-June-2019 to 12-June-2019 2: 18-June-2019 to 22-June-2019 3: 28-June-2019 to 2-July-2019 4: 3-July-2019 to 7-July-2019 5: 18-July-2019 to 22-July-2019 6: 23-July-2019 to 27-July-2019 7: 28-July-2019 to 1-August-2019 8: 2-			Normal condition	Overall district at No risk	District under high risk	Moderate risk

									August-2019 to 6-August-2019 9: 7-August-2019 to 11-August-2019						
215	Odisha	Puri	194,231	168,106	87%	Moderate water stress	Deficient	4 heavy spells in all phases	1: 19-June-2019 to 23-June-2019 2: 29-June-2019 to 3-July-2019 3: 24-July-2019 to 28-July-2019 1: 6-August-2019 to 12-August-2019			Wet condition	Overall district at No risk	District under low risk	Moderate risk
216	Odisha	Anugul	293,481	290,794	99%	Moderate wet condition	Excess	6 heavy spells in all phases	1: 10-June-2019 to 15-June-2019 2: 16-June-2019 to 21-June-2019 3: 28-June-2019 to 3-July-2019 4: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
217	Odisha	Balangir	515,944	509,613	99%	Moderate wet condition	Large Excess	8 heavy spells in phase 1	1: 3-June-2019 to 7-June-2019 2: 13-June-2019 to 17-June-2019 3: 18-June-2019 to 22-June-2019 4: 28-June-2019 to 2-July-2019 5: 3-July-2019 to 7-July-2019 6: 23-July-2019 to 27-July-2019 7: 28-July-2019 to 1-August-2019 8: 7-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
218	Odisha	Bhadrak	218,544	144,994	66%	Normal rainfall status	Normal	4 heavy spells in all phases	1: 16-June-2019 to 21-June-2019 2: 28-June-2019 to 3-July-2019 3: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
219	Odisha	Cuttack	229,406	224,544	98%	Moderate wet condition	Normal	7 heavy spells in phase 1	1: 11-June-2019 to 16-June-2019 2: 17-June-2019 to 22-June-2019 3: 29-June-2019 to 4-July-2019 4: 5-			Normal condition	Overall district at No risk	District under low risk	Low risk

								July-2019 to 10-July-2019 5: 23-July-2019 to 28-July-2019 6: 4-August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019						
220	Odisha	Debagarh	130,013	126,006	97%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 11-June-2019 to 16-June-2019 2: 17-June-2019 to 22-June-2019 3: 29-June-2019 to 4-July-2019 4: 23-July-2019 to 28-July-2019 5: 29-July-2019 to 3-August-2019 6: 4-August-2019 to 9-August-2019 7: 10-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
221	Odisha	Gajapati	116,713	115,575	99%	Normal rainfall status	Normal	1 heavy spell in phase 1	1: 7-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under low risk	Very low risk
222	Odisha	Jagatsinghapur	123,969	114,481	92%	Normal rainfall status	Normal	6 heavy spells in all phases	1: 16-June-2019 to 21-June-2019 2: 28-June-2019 to 3-July-2019 3: 4-July-2019 to 9-July-2019 4: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
223	Odisha	Jharsuguda	112,281	105,700	94%	Moderate wet condition	Excess	2 heavy spells in all phases	1: 1-July-2019 to 4-July-2019 1: 5-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
224	Odisha	Kandhamal	225,419	224,531	100%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 17-July-2019 to 22-July-2019 5: 23-July-2019 to 28-July-2019 6: 29-July-2019 to 3-			Normal condition	Overall district at No risk	District under low risk	Low risk

									August-2019 7: 4-August-2019 to 9-August-2019 8: 10-August-2019 to 15-August-2019						
225	Odisha	Koraput	433,613	369,600	85%	Moderate wet condition	Excess	8 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 17-July-2019 to 22-July-2019 5: 23-July-2019 to 28-July-2019 6: 29-July-2019 to 3-August-2019 7: 4-August-2019 to 9-August-2019 8: 10-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
226	Odisha	Malkangiri	316,656	298,475	94%	Moderate wet condition	Large Excess	8 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 23-June-2019 to 28-June-2019 3: 29-June-2019 to 4-July-2019 4: 5-July-2019 to 10-July-2019 5: 23-July-2019 to 28-July-2019 6: 29-July-2019 to 3-August-2019 7: 4-August-2019 to 9-August-2019 8: 10-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under extreme risk	High risk
227	Odisha	Nabarangapur	319,238	283,469	89%	Moderate wet condition	Normal	8 heavy spells in phase 1	1: 17-June-2019 to 22-June-2019 2: 29-June-2019 to 4-July-2019 3: 5-July-2019 to 10-July-2019 4: 17-July-2019 to 22-July-2019 5: 23-July-2019 to 28-July-2019 6: 29-July-2019 to 3-August-2019 7: 4-August-2019 to 9-August-2019 8: 10-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk

228	Odisha	Sundargarh	532,669	495,013	93%	Moderate wet condition	Excess	6 heavy spells in all phases	1: 16-June-2019 to 21-June-2019 2: 28-June-2019 to 3-July-2019 3: 4-July-2019 to 9-July-2019 4: 22-July-2019 to 27-July-2019 1: 4-August-2019 to 8-August-2019 2: 9-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
229	Punjab	Amritsar	297,894	295,869	99%	Moderate water stress	Deficient	2 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 31-July-2019 to 3-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under high risk	Moderate risk
230	Punjab	Bathinda	365,438	362,456	99%	Moderate water stress	Deficient	2 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
231	Punjab	Faridkot	165,594	165,263	100%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
232	Punjab	Fatehgarh Sahib	132,294	131,956	100%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 12-July-2019 to 15-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
233	Punjab	Firozpur	276,763	275,369	99%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
234	Punjab	Gurdaspur	293,475	292,450	100%	Moderate wet condition	Deficient	3 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 31-July-2019 to 3-August-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
235	Punjab	Hoshiarpur	278,006	279,475	100%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 31-July-2019 to 3-August-2019 2: 8-August-2019 to 11-August-2019 3: 12-August-2019 to 15-	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk

									August-2019						
236	Punjab	Jalandhar	289,950	289,300	100%	Moderate water stress	Deficient	3 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 31-July-2019 to 3-August-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under high risk	Moderate risk
237	Punjab	Kapurthala	182,238	181,313	99%	Moderate water stress	Deficient	3 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019 1: 31-July-2019 to 3-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
238	Punjab	Ludhiana	365,113	362,388	99%	Moderate water stress	Deficient	3 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 31-July-2019 to 3-August-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
239	Punjab	Mansa	235,375	233,056	99%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under high risk	Moderate risk
240	Punjab	Moga	255,906	255,406	100%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
241	Punjab	Muktsar	299,863	297,419	99%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under low risk	Moderate risk
242	Punjab	Patiala	350,731	345,400	98%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
243	Punjab	Rupnagar	109,225	108,875	100%	Moderate water stress	Deficient	3 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 31-July-2019 to 3-August-2019 2: 8-August-2019 to 11-August-2019			Watch condition	Overall district at No risk	District under no risk	Low risk

244	Punjab	Sangrur	426,944	423,325	99%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 2 times in all phases	1: 25-June-2019 to 1-July-2019 1: 6-August-2019 to 12-August-2019	Watch condition	Overall district at No risk	District under high risk	Moderate risk
245	Punjab	Shahid Bhagat Singh Nagar	126,369	126,819	100%	Moderate wet condition	Deficient	5 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 8-August-2019 to 11-August-2019 4: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under low risk	Moderate risk
246	Tamil Nadu	Coimbatore	325,269	297,781	92%	Moderate wet condition	Large Deficient	3 heavy spells in phase 1	1: 5-July-2019 to 10-July-2019 2: 17-July-2019 to 22-July-2019 3: 4-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
247	Tamil Nadu	Cuddalore	308,519	270,956	88%	Severe water stress	Large Excess					Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
248	Tamil Nadu	Dharmapuri	266,038	236,831	89%	Severe water stress	Deficient	6 heavy spells in all phases	1: 31-May-2019 to 1-June-2019 2: 2-June-2019 to 3-June-2019 3: 4-June-2019 to 5-June-2019 4: 6-June-2019 to 7-June-2019 5: 8-June-2019 to 9-June-2019 1: 11-June-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
249	Tamil Nadu	Dindigul	425,219	339,369	80%	Severe water stress	Excess	4 heavy spells in all phases	1: 31-May-2019 to 1-June-2019 2: 6-June-2019 to 7-June-2019 3: 8-June-2019 to 9-June-2019 1: 11-June-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
250	Tamil Nadu	Erode	306,144	291,638	95%	Severe water stress	Normal	2 heavy spells in all phases	1: 5-June-2019 to 7-June-2019 1: 7-August-2019 to 9-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk

251	Tamil Nadu	Kancheepuram	289,369	286,956	99%	Severe water stress	Excess	2 heavy spells in all phases	1: 20-June-2019 to 22-June-2019 1: 23-July-2019 to 25-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
252	Tamil Nadu	Kanniyakumari	71,806	71,094	99%	Severe water stress	Excess	2 heavy spells in phase 1	1: 8-June-2019 to 10-June-2019 2: 11-June-2019 to 13-June-2019			Alarm condition	Overall district at No risk	District under low risk	High risk
253	Tamil Nadu	Karur	253,894	145,588	57%	Severe water stress	Large Deficient					Normal condition	Overall district at No risk	District under no risk	Low risk
254	Tamil Nadu	Madurai	275,488	212,338	77%	Severe water stress	Normal	3 heavy spells in phase 1	1: 30-May-2019 to 1-June-2019 2: 5-June-2019 to 7-June-2019 3: 8-June-2019 to 10-June-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
255	Tamil Nadu	Nagapattinam	185,956	162,069	87%	Severe water stress	Excess	1 heavy spell in phase 2	1: 13-July-2019 to 16-July-2019	dry conditon for 1 times in phase 1	1: 29-May-2019 to 7-June-2019	Alarm condition	Overall district at No risk	District under low risk	High risk
256	Tamil Nadu	Namakkal	259,006	230,356	89%	Severe water stress	Excess					Normal condition	Overall district at No risk	District under no risk	Low risk
257	Tamil Nadu	Perambalur	143,175	78,481	55%	Severe water stress	Normal					Normal condition	Overall district at No risk	District under no risk	Low risk
258	Tamil Nadu	Pudukkottai	376,269	321,544	85%	Severe water stress	Excess			dry conditon for 1 times in phase 1	1: 14-June-2019 to 28-June-2019	Normal condition	Overall district at No risk	District under no risk	Low risk
259	Tamil Nadu	Ramanathapuram	343,188	128,138	37%	Severe water stress	Large Excess			dry conditon for 1 times in phase 1	1: 14-June-2019 to 28-June-2019	Watch condition	Overall district at No risk	District under moderate risk	High risk

260	Tamil Nadu	Salem	330,919	303,000	92%	Severe water stress	Normal					Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
261	Tamil Nadu	Sivaganga	313,894	194,975	62%	Severe water stress	Excess			dry conditon for 2 times in phase 1	1: 11-June-2019 to 25-June-2019 2: 26-June-2019 to 10-July-2019	Watch condition	Overall district at No risk	District under no risk	Low risk
262	Tamil Nadu	Thanjavur	286,238	268,869	94%	Severe water stress	Deficient	2 heavy spells in all phases	1: 4-June-2019 to 5-June-2019 1: 11-June-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
263	Tamil Nadu	The Nilgiris	99,613	98,338	99%	Moderate water stress	Deficient	4 heavy spells in all phases	1: 31-May-2019 to 1-June-2019 2: 2-June-2019 to 3-June-2019 3: 6-June-2019 to 7-June-2019 1: 11-June-2019 to 15-July-2019			Normal condition	Overall district at risk, 67 % Sub districts at high risk	District under high risk	Moderate risk
264	Tamil Nadu	Theni	181,769	164,894	91%	Moderate water stress	Large Deficient	5 heavy spells in all phases	1: 30-May-2019 to 1-June-2019 2: 5-June-2019 to 7-June-2019 3: 8-June-2019 to 10-June-2019 4: 11-June-2019 to 13-June-2019 1: 7-August-2019 to 9-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
265	Tamil Nadu	Thiruvarur	203,975	169,313	83%	Severe water stress	Deficient					Normal condition	Overall district at No risk	District under low risk	Moderate risk
266	Tamil Nadu	Thoothukkudi	406,019	142,400	35%	Severe water stress	Large Excess			dry conditon for 1 times in phase 1	1: 2-July-2019 to 16-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
267	Tamil Nadu	Tiruchirappalli	350,000	219,481	63%	Severe water stress	Deficient					Normal condition	Overall district at No risk	District under no risk	Low risk

268	Tamil Nadu	Tirunelveli	460,006	307,813	67%	Severe water stress	Large Deficient	8 heavy spells in all phases	1: 30-May-2019 to 1-June-2019 2: 8-June-2019 to 10-June-2019 3: 11-June-2019 to 13-June-2019 4: 20-June-2019 to 22-June-2019 1: 17-July-2019 to 20-July-2019 2: 21-July-2019 to 24-July-2019 3: 6-August-2019 to 9-August-2019 4: 10-August-2019 to 13-August-2019			Normal condition	Overall district at No risk	District under low risk	Moderate risk
269	Tamil Nadu	Tiruvannamalai	423,863	420,688	99%	Severe water stress	Large Excess					Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
270	Tamil Nadu	Vellore	366,131	361,469	99%	Severe water stress	Large Excess					Normal condition	Overall district at No risk	District under high risk	Moderate risk
271	Tamil Nadu	Viluppuram	551,563	534,875	97%	Severe water stress	Excess					Normal condition	Overall district at No risk	District under low risk	Moderate risk
272	Tamil Nadu	Virudhunagar	358,031	146,275	41%	Severe water stress	Normal	1 heavy spell in phase 1	1: 8-June-2019 to 8-June-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
273	Telangana	Warangal Rural				Moderate wet condition	Excess			dry conditon for 2 times in phase 1	1: 28-May-2019 to 3-June-2019 2: 11-June-2019 to 17-June-2019	Watch condition	Overall district at No risk	District under extreme risk	Low risk
274	Telangana	Nalgonda	627,875	520,031	83%	Moderate water stress	Deficient	1 heavy spell in phase 2	1: 2-August-2019 to 11-August-2019	dry conditon for 2 times in phase 1	1: 11-June-2019 to 17-June-2019 2: 2-July-2019 to 8-July-2019	Normal condition	Overall district at No risk	District under no risk	Low risk

275	Telangana	Mahbubnagar	477,000	393,581	83%	Moderate water stress	Large Deficient	1 heavy spell in phase 2	1: 2-August-2019 to 11-August-2019	dry conditon for 1 time in phase 1	1: 11-June-2019 to 17-June-2019	Normal condition	Overall district at No risk	District under high risk	Moderate risk
276	Telangana	Khammam	387,338	350,169	90%	Moderate water stress	Normal					Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
277	Telangana	Karimnagar	207,481	203,013	98%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 19-June-2019 to 22-June-2019	dry conditon for 1 times in phase 1	1: 4-June-2019 to 10-June-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
278	Telangana	Nizamabad	287,763	242,450	84%	Moderate water stress	Large Deficient	3 heavy spells in phase 1	1: 27-June-2019 to 30-June-2019 2: 1-July-2019 to 4-July-2019 3: 9-July-2019 to 12-July-2019	dry conditon for 2 times in phase 1	1: 28-May-2019 to 3-June-2019 2: 11-June-2019 to 17-June-2019	Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
279	Telangana	Adilabad	253,375	217,694	86%	Moderate water stress	Deficient	3 heavy spells in all phases	1: 27-June-2019 to 30-June-2019 2: 1-July-2019 to 4-July-2019 1: 28-July-2019 to 30-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
280	Telangana	Ranga Reddy	401,281	350,488	87%	Moderate wet condition	Large Deficient			dry conditon for 2 times in phase 1	1: 28-May-2019 to 3-June-2019 2: 11-June-2019 to 17-June-2019	Watch condition	Overall district at No risk	District under moderate risk	Low risk
281	Uttar Pradesh	Gorakhpur	332,225	281,000	85%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Moderate risk
282	Uttar Pradesh	Shrawasti	172,763	161,400	93%	Moderate wet condition	Deficient	5 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 4: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk

283	Uttar Pradesh	Bulandshahr				Moderate water stress	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019 1: 4-August-2019 to 7-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
284	Uttar Pradesh	Badaun	481,788	458,244	95%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
285	Uttar Pradesh	Lalitpur	399,538	352,388	88%	Moderate water stress	Large Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 1	1: 18-June-2019 to 24-June-2019	Normal condition	Overall district at No risk	District under high risk	Moderate risk
286	Uttar Pradesh	Aligarh	412,031	384,544	93%	Moderate water stress	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
287	Uttar Pradesh	Faizabad	241,194	235,650	98%	Moderate wet condition	Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Low risk
288	Uttar Pradesh	Mahoba	279,988	251,169	90%	Moderate water stress	Large Excess	5 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 1: 23-July-2019 to 26-July-2019 2: 27-July-2019 to 30-July-2019 3: 4-August-2019 to 7-August-2019 4: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
289	Uttar Pradesh	Gonda	415,581	407,613	98%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under no risk	Low risk

290	Uttar Pradesh	Unnao	419,981	390,119	93%	Normal rainfall status	Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 27-July-2019 to 30-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
291	Uttar Pradesh	Bara Banki	365,344	346,556	95%	Moderate wet condition	Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
292	Uttar Pradesh	Pilibhit	313,681	312,838	100%	Moderate wet condition	Deficient	6 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 26-June-2019 to 29-June-2019 3: 8-July-2019 to 11-July-2019 4: 12-July-2019 to 15-July-2019 5: 16-July-2019 to 19-July-2019 1: 4-August-2019 to 7-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
293	Uttar Pradesh	Rae Bareli	296,069	273,613	92%	Normal rainfall status	Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Low risk
294	Uttar Pradesh	Moradabad	250,925	250,600	100%	Moderate water stress	Normal	3 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 1: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
295	Uttar Pradesh	Hardoi	628,794	591,344	94%	Normal rainfall status	Excess	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 27-July-2019 to 30-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
296	Uttar Pradesh	Rampur	268,556	268,175	100%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 1: 12-			Watch condition	Overall district at No risk	District under high risk	Moderate risk

									August-2019 to 15-August-2019						
297	Uttar Pradesh	Shahjahanpur	496,181	484,538	98%	Normal rainfall status	Deficient	3 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 3: 16-July-2019 to 19-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Low risk
298	Uttar Pradesh	Allahabad	480,169	399,525	83%	Normal rainfall status	Large Excess	2 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
299	Uttar Pradesh	Jyotiba Phule Nagar	231,381	229,906	99%	Moderate water stress	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
300	Uttar Pradesh	Azamgarh	397,688	346,894	87%	Moderate wet condition	Excess	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
301	Uttar Pradesh	Ghazipur	321,988	278,825	87%	Moderate wet condition	Excess	3 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
302	Uttar Pradesh	Ghaziabad				Moderate water stress	Deficient	3 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019	dry conditon for 2 times in phase 1	1: 25-June-2019 to 1-July-2019 2: 9-July-2019 to 15-July-2019	Normal condition	Overall district at No risk	District under high risk	Moderate risk
303	Uttar Pradesh	Mathura				Moderate water stress	Large Excess	1 heavy spell in phase 1	1: 8-July-2019 to 11-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Moderate risk

304	Uttar Pradesh	Mahrajganj	232,113	227,419	98%	Moderate wet condition	Normal	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
305	Uttar Pradesh	Etawah				Severe water stress	Excess	1 heavy spell in phase 1	1: 4-July-2019 to 7-July-2019			Watch condition	Overall district at No risk	District under extreme risk	High risk
306	Uttar Pradesh	Kanpur Dehat				Moderate water stress	Large Excess	1 heavy spell in phase 1	1: 4-July-2019 to 7-July-2019			Watch condition	Overall district at No risk	District under low risk	Moderate risk
307	Uttar Pradesh	Bahraich	423,806	409,644	97%	Moderate wet condition	Deficient	5 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 4: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Moderate risk
308	Uttar Pradesh	Sonbhadra	271,381	238,156	88%	Moderate water stress	Large Excess	3 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
309	Uttar Pradesh	Kheri	648,869	640,250	99%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
310	Uttar Pradesh	Firozabad				Moderate water stress	Excess	2 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under extreme risk	High risk

311	Uttar Pradesh	Sultanpur	237,419	221,125	93%	Moderate wet condition	Large Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Low risk
312	Uttar Pradesh	Bareilly	404,025	400,644	99%	Moderate wet condition	Deficient	5 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 4: 16-July-2019 to 19-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
313	Uttar Pradesh	Agra				Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
314	Uttar Pradesh	Ambedkar Nagar	211,400	197,944	94%	Moderate wet condition	Excess	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
315	Uttar Pradesh	Auraiya				Severe water stress	Large Excess	1 heavy spell in phase 1	1: 4-July-2019 to 7-July-2019			Watch condition	Overall district at No risk	District under extreme risk	High risk
316	Uttar Pradesh	Baghpat				Moderate water stress	Deficient	3 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
317	Uttar Pradesh	Ballia	272,631	187,988	69%	Moderate wet condition	Excess	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk

318	Uttar Pradesh	Balrampur	306,369	292,775	96%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
319	Uttar Pradesh	Banda	427,081	345,069	81%	Normal rainfall status	Large Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 1 time in phase 2	1: 30-July-2019 to 5-August-2019	Watch condition	Overall district at No risk	District under extreme risk	Low risk
320	Uttar Pradesh	Basti				Moderate wet condition	Normal	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Low risk
321	Uttar Pradesh	Bijnor	432,200	432,069	100%	Moderate water stress	Deficient	5 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 3: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
322	Uttar Pradesh	Chandauli				Moderate wet condition	Large Excess	3 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 1: 4-August-2019 to 7-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
323	Uttar Pradesh	Chitrakoot	239,106	210,163	88%	Normal rainfall status	Large Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Low risk
324	Uttar Pradesh	Deoria	245,481	205,069	84%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under no risk	Low risk

325	Uttar Pradesh	Etah	266,650	253,275	95%	Moderate water stress	Normal	2 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under high risk	Moderate risk
326	Uttar Pradesh	Farrukhabad				Moderate water stress	Normal	1 heavy spell in phase 1	1: 16-July-2019 to 19-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
327	Uttar Pradesh	Fatehpur	373,088	339,719	91%	Normal rainfall status	Large Excess	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under high risk	Low risk
328	Uttar Pradesh	Gautam Buddha Nagar				Moderate water stress	Deficient	3 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019	dry conditon for 2 times in phase 1	1: 25-June-2019 to 1-July-2019 2: 9-July-2019 to 15-July-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
329	Uttar Pradesh	Hamirpur	395,250	334,075	85%	Moderate water stress	Large Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 1: 23-July-2019 to 26-July-2019 2: 27-July-2019 to 30-July-2019 3: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
330	Uttar Pradesh	Jalaun	414,350	325,338	79%	Moderate water stress	Large Excess	2 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 1: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
331	Uttar Pradesh	Jaunpur				Moderate wet condition	Large Excess	2 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
332	Uttar Pradesh	Jhansi	433,300	342,550	79%	Normal rainfall status	Large Excess	4 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk

333	Uttar Pradesh	Kannauj				Moderate water stress	Large Excess					Watch condition	Overall district at No risk	District under high risk	Moderat e risk
334	Uttar Pradesh	Kanpur Nagar				Moderate water stress	Large Excess	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 27-July-2019 to 30-July-2019			Watch condition	Overall district at No risk	District under low risk	Moderat e risk
335	Uttar Pradesh	Kaushambi	162,800	146,763	90%	Normal rainfall status	Large Excess	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 12-August-2019 to 15-August-2019			Watch condition	Overall district at No risk	District under moderat e risk	Low risk
336	Uttar Pradesh	Kushinagar	281,788	274,750	98%	Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under no risk	Low risk
337	Uttar Pradesh	Lucknow	166,031	154,750	93%	Moderate wet condition	Normal	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under low risk	Low risk
338	Uttar Pradesh	Mahamaya Nagar				Moderate water stress	Excess	3 heavy spells in all phases	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019 1: 4-August-2019 to 7-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under moderat e risk	Moderat e risk
339	Uttar Pradesh	Mainpuri				Moderate water stress	Normal	1 heavy spell in phase 1	1: 8-July-2019 to 11-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderat e risk
340	Uttar Pradesh	Mau	173,819	149,906	86%	Moderate wet condition	Excess	3 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019			Watch condition	Overall district at No risk	District under low risk	Low risk

341	Uttar Pradesh	Meerut				Moderate water stress	Deficient	4 heavy spells in all phases	1: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019 2: 27-July-2019 to 30-July-2019 3: 4-August-2019 to 7-August-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
342	Uttar Pradesh	Mirzapur	289,538	246,475	85%	Moderate water stress	Large Excess	1 heavy spell in phase 1	1: 8-July-2019 to 11-July-2019			Watch condition	Overall district at No risk	District under high risk	Moderate risk
343	Uttar Pradesh	Muzaffarnagar				Moderate wet condition	Deficient	5 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 2: 16-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019 3: 12-August-2019 to 15-August-2019	dry conditon for 2 times in phase 1	1: 18-June-2019 to 24-June-2019 2: 25-June-2019 to 1-July-2019	Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
344	Uttar Pradesh	Pratapgarh	228,738	220,213	96%	Normal rainfall status	Large Excess	3 heavy spells in all phases	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Low risk
345	Uttar Pradesh	Saharanpur				Moderate wet condition	Deficient	4 heavy spells in all phases	1: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019 2: 4-August-2019 to 7-August-2019 3: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
346	Uttar Pradesh	Sant Kabir Nagar				Moderate wet condition	Excess	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at risk, 67 % Sub districts at moderate risk	District under low risk	Moderate risk
347	Uttar Pradesh	Sant Ravidas Nagar (Bhadohi)				Normal rainfall status	Large Excess	2 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019			Watch condition	Overall district at No risk	District under high risk	Low risk

348	Uttar Pradesh	Siddharthnagar				Moderate wet condition	Deficient	4 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
349	Uttar Pradesh	Sitapur	577,075	570,806	99%	Moderate wet condition	Deficient	5 heavy spells in all phases	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 4: 12-July-2019 to 15-July-2019 1: 23-July-2019 to 26-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
350	Uttar Pradesh	Varanasi				Normal rainfall status	Large Excess	1 heavy spell in phase 1	1: 8-July-2019 to 11-July-2019	dry conditon for 1 time in phase 1	1: 25-June-2019 to 1-July-2019	Watch condition	Overall district at No risk	District under low risk	Low risk
351	West Bengal	Bankura				Normal rainfall status	Excess	8 heavy spells in all phases	1: 11-June-2019 to 16-June-2019 2: 17-June-2019 to 22-June-2019 3: 29-June-2019 to 4-July-2019 4: 5-July-2019 to 10-July-2019 5: 23-July-2019 to 28-July-2019 6: 29-July-2019 to 3-August-2019 1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
352	West Bengal	Murshidabad				Moderate water stress	Normal					Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
353	West Bengal	South Twenty Four Parganas				Moderate water stress	Excess	3 heavy spells in all phases	1: 26-July-2019 to 28-July-2019 1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
354	West Bengal	Barddhaman				Normal rainfall status	Excess	6 heavy spells in all phases	1: 5-July-2019 to 10-July-2019 2: 17-July-2019 to 22-July-2019 3: 23-July-2019 to 28-July-2019 4: 29-			Normal condition	Overall district at No risk	District under high risk	Low risk

									July-2019 to 3-August-2019 1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019						
355	West Bengal	Birbhum				Moderate water stress	Large Excess	1 heavy spell in phase 1	1: 23-July-2019 to 27-July-2019			Watch condition	Overall district at No risk	District under extreme risk	High risk
356	West Bengal	Purba Medinipur				Moderate water stress	Excess	4 heavy spells in all phases	1: 31-May-2019 to 4-June-2019 2: 20-June-2019 to 24-June-2019 3: 30-June-2019 to 4-July-2019 1: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
357	West Bengal	Hugli				Moderate water stress	Excess	4 heavy spells in all phases	1: 31-May-2019 to 4-June-2019 2: 30-June-2019 to 4-July-2019 3: 5-July-2019 to 9-July-2019 1: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
358	West Bengal	North Twenty Four Parganas				Moderate water stress	Normal	2 heavy spells in phase 2	1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
359	West Bengal	Dakshin Dinajpur				Normal rainfall status	Normal	4 heavy spells in phase 1	1: 23-June-2019 to 28-June-2019 2: 5-July-2019 to 10-July-2019 3: 11-July-2019 to 16-July-2019 4: 23-July-2019 to 28-July-2019			Normal condition	Overall district at risk, 101 % Sub districts at high risk	District under no risk	Low risk
360	West Bengal	Darjiling				Moderate wet condition	Deficient	6 heavy spells in phase 1	1: 3-July-2019 to 7-July-2019 2: 8-July-2019 to 12-July-2019 3: 13-July-2019 to 17-July-2019 4: 18-July-2019 to 22-July-2019 5: 23-July-2019 to 27-July-2019 6: 7-August-2019 to 11-August-2019			Normal condition	Overall district at risk, 44 %Sub districts at low risk	District under extreme risk	Moderate risk

361	West Bengal	Haora				Moderate water stress	Normal	2 heavy spells in phase 2	1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
362	West Bengal	Jalpaiguri				Moderate wet condition	Deficient	9 heavy spells in all phases	1: 11-June-2019 to 16-June-2019 2: 17-June-2019 to 22-June-2019 3: 23-June-2019 to 28-June-2019 4: 5-July-2019 to 10-July-2019 5: 11-July-2019 to 16-July-2019 6: 17-July-2019 to 22-July-2019 7: 23-July-2019 to 28-July-2019 1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under extreme risk	Moderate risk
363	West Bengal	Koch Bihar				Moderate wet condition	Deficient	7 heavy spells in phase 1	1: 23-June-2019 to 27-June-2019 2: 28-June-2019 to 2-July-2019 3: 3-July-2019 to 7-July-2019 4: 8-July-2019 to 12-July-2019 5: 13-July-2019 to 17-July-2019 6: 18-July-2019 to 22-July-2019 7: 23-July-2019 to 27-July-2019	dry conditon for 1 time in phase 1	1: 30-July-2019 to 5-August-2019	Normal condition	Overall district at No risk	District under high risk	Moderate risk
364	West Bengal	Maldah				Moderate wet condition	Normal	5 heavy spells in all phases	1: 31-May-2019 to 4-June-2019 2: 5-July-2019 to 9-July-2019 3: 10-July-2019 to 14-July-2019 4: 15-July-2019 to 19-July-2019 1: 23-July-2019 to 26-July-2019			Normal condition	Overall district at No risk	District under high risk	Moderate risk
365	West Bengal	Nadia				Moderate wet condition	Normal	7 heavy spells in all phases	1: 31-May-2019 to 4-June-2019 2: 20-June-2019 to 24-June-2019 3: 5-July-2019 to 9-July-2019 4: 10-July-2019 to 14-July-2019 5: 15-July-2019 to 19-			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk

									July-2019 1: 4-August-2019 to 7-August-2019 2: 12-August-2019 to 15-August-2019						
366	West Bengal	Paschim Medinipur				Moderate water stress	Normal	2 heavy spells in phase 2	1: 6-August-2019 to 10-August-2019 2: 11-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Moderate risk
367	West Bengal	Puruliya				Normal rainfall status	Excess	7 heavy spells in all phases	1: 20-June-2019 to 24-June-2019 2: 30-June-2019 to 4-July-2019 3: 5-July-2019 to 9-July-2019 1: 27-July-2019 to 30-July-2019 2: 4-August-2019 to 7-August-2019 3: 8-August-2019 to 11-August-2019 4: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
368	West Bengal	Uttar Dinajpur				Moderate wet condition	Normal	6 heavy spells in all phases	1: 11-June-2019 to 13-June-2019 2: 8-July-2019 to 10-July-2019 3: 11-July-2019 to 13-July-2019 4: 14-July-2019 to 16-July-2019 5: 23-July-2019 to 25-July-2019 1: 11-August-2019 to 15-August-2019			Normal condition	Overall district at risk, 44 % Sub districts at high risk	District under low risk	Moderate risk

ANNEXURE-V (PULSES)

Sr. No.	State	District	Total Agriculture Area (ha) (under all Kharif Crops)	Sowing Area till 08 first fortnight (under all Kharif crops)	Sowing % till 08 1st FortNight	Rainfall Status	Weather/Forecast Up to 2 weeks	Wet spell	Wet spell duration Details	Dry spell	Dry spell duration Details	Soil Moisture	Stress on the crop – As per VHI / NDVI report	Stress on the crop – As per VCI	Final Risk (based on Proxy Indicators)
1	Gujarat	Ahmadabad	656,513	326,713	50%	Moderate water stress	Large Deficient	3 heavy spells in all phases	1: 29-July-2019 to 1-August-2019 2: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
2	Gujarat	Banas Kantha	1,007,000	788,256	78%	Moderate water stress	Large Deficient	2 heavy spells in all phases	1: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
3	Gujarat	Bharuch	400,138	232,006	58%	Moderate wet condition	Large Deficient	6 heavy spells in all phases	1: 23-June-2019 to 26-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 29-July-2019 to 1-August-2019 5: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
4	Gujarat	Dohad	279,988	241,063	86%	Moderate wet condition	Large Deficient	7 heavy spells in all phases	1: 19-June-2019 to 22-June-2019 2: 23-June-2019 to 26-June-2019 3: 1-July-2019 to 4-July-2019 4: 5-July-2019 to 8-July-2019 5: 29-July-2019 to 1-August-2019 6: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
5	Gujarat	Kachchh	1,021,581	479,013	47%	Moderate water stress	Large Deficient	2 heavy spells in all phases	1: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderat	District under low risk	Moderate risk

												e risk			
6	Gujarat	Narmada	178,731	123,750	69%	Moderate wet condition	Large Deficient	6 heavy spells in all phases	1: 23-June-2019 to 26-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 29-July-2019 to 1-August-2019 5: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
7	Gujarat	Panch Mahals	304,525	271,088	89%	Moderate wet condition	Large Deficient	6 heavy spells in all phases	1: 23-June-2019 to 26-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 29-July-2019 to 1-August-2019 5: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
8	Gujarat	Patan	540,306	388,563	72%	Moderate water stress	Large Deficient	1 heavy spell in phase 2	1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
9	Gujarat	Sabar Kantha	333,994	288,088	86%	Moderate wet condition	Large Deficient	5 heavy spells in all phases	1: 15-June-2019 to 18-June-2019 2: 19-June-2019 to 22-June-2019 3: 29-July-2019 to 1-August-2019 4: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
10	Gujarat	Tapi	226,619	171,706	76%	Moderate wet condition	Deficient	7 heavy spells in all phases	1: 23-June-2019 to 26-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 21-July-2019 to 24-July-2019 5: 29-July-2019 to 1-August-2019 6: 2-August-2019 to 5-August-2019 1: 6-	dry conditon for 1 times in phase 1	1: 29-May-2019 to 12-June-2019	Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

									August-2019 to 11-August-2019						
11	Gujarat	Vadodara	408,706	256,419	63%	Moderate wet condition	Large Deficient	6 heavy spells in all phases	1: 23-June-2019 to 26-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 29-July-2019 to 1-August-2019 5: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
12	Gujarat	Valsad	202,975	146,981	72%	Moderate wet condition	Excess	7 heavy spells in all phases	1: 27-June-2019 to 30-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 25-July-2019 to 28-July-2019 5: 29-July-2019 to 1-August-2019 6: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
13	Karnataka	Raichur	843,988	429,319	51%	Moderate water stress	Large Deficient					Wet condition	Overall district at moderate risk	District under no risk	Low risk
14	Karnataka	Bijapur	1,123,850	472,294	42%	Severe water stress	Large Deficient					Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
15	Karnataka	Bagalkot	579,075	367,381	63%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 6-August-2019 to 8-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
16	Karnataka	Belgaum	1,197,819	714,088	60%	Moderate wet condition	Deficient	5 heavy spells in phase 1	1: 28-July-2019 to 30-July-2019 2: 31-July-2019 to 2-August-2019 3: 3-August-2019 to 5-August-2019 4: 6-August-2019 to 8-August-2019 5: 9-			Wet condition	Overall district at moderate risk	District under no risk	Moderate risk

									August-2019 to 11-August-2019						
17	Karnataka	Bellary	661,200	336,094	51%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 6-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
18	Karnataka	Dharwad	420,206	275,544	66%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 28-July-2019 to 30-July-2019 2: 3-August-2019 to 5-August-2019 3: 6-August-2019 to 8-August-2019 4: 9-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
19	Karnataka	Gadag	433,413	138,850	32%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 6-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
20	Karnataka	Gulbarga	1,100,988	540,681	49%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 3-August-2019 to 5-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
21	Karnataka	Koppal	536,425	293,763	55%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 6-August-2019 to 8-August-2019			Wet condition	Overall district at moderate risk	District under no risk	Moderate risk
22	Karnataka	Mandya	431,450	404,800	94%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 6-August-2019 to 8-August-2019 2: 9-August-2019 to 11-August-2019			Normal condition	Overall district at risk, 43 % Sub districts at high risk	District under high risk	Moderate risk
23	Karnataka	Mysore	526,663	504,550	96%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 19-July-2019 to 21-July-2019 2: 22-July-2019 to 24-July-2019 3: 6-August-2019 to 8-August-2019 4: 9-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk

24	Karnataka	Yadgir	489,113	306,700	63%	Moderate water stress	Large Deficient					Wet condition	Overall district at moderate risk	District under low risk	Moderate risk
25	Madhya pradesh	Betul	651,138	517,613	79%	Moderate water stress	Large Excess	6 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 24-July-2019 to 27-July-2019 3: 28-July-2019 to 31-July-2019 4: 1-August-2019 to 4-August-2019 5: 5-August-2019 to 8-August-2019 6: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
26	Madhya pradesh	Chhindwara	773,781	505,019	65%	Moderate wet condition	Large Excess	6 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 24-July-2019 to 27-July-2019 3: 28-July-2019 to 31-July-2019 4: 1-August-2019 to 4-August-2019 5: 5-August-2019 to 8-August-2019 6: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
27	Madhya pradesh	Damoh	436,681	330,994	76%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 24-July-2019 to 27-July-2019 4: 5-August-2019 to 8-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
28	Madhya pradesh	Hoshangabad	420,744	317,844	76%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 24-July-2019 to 27-July-2019 4: 28-July-2019 to 31-July-2019 5: 1-August-2019 to 4-August-2019 6: 5-August-2019 to 8-August-2019 7: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

29	Madhya pradesh	Jabalpur	402,956	269,844	67%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 4: 5-August-2019 to 8-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
30	Madhya pradesh	Khargone (West Nimar)	545,181	415,456	76%	Moderate wet condition	Deficient	5 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 28-July-2019 to 31-July-2019 4: 5-August-2019 to 8-August-2019 5: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
31	Madhya pradesh	Narsimhapur	402,531	326,650	81%	Wet condition	Large Excess	8 heavy spells in phase 1	1: 26-June-2019 to 29-June-2019 2: 30-June-2019 to 3-July-2019 3: 4-July-2019 to 7-July-2019 4: 24-July-2019 to 27-July-2019 5: 28-July-2019 to 31-July-2019 6: 1-August-2019 to 4-August-2019 7: 5-August-2019 to 8-August-2019 8: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
32	Madhya pradesh	Raisen	552,381	319,581	58%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 24-July-2019 to 27-July-2019 4: 28-July-2019 to 31-July-2019 5: 1-August-2019 to 4-August-2019 6: 5-August-2019 to 8-August-2019 7: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
33	Madhya pradesh	Rewa	565,213	505,613	89%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk

34	Madhya pradesh	Satna	533,225	499,938	94%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Wet condition	Overall district at moderate risk	District under low risk	Low risk
35	Madhya pradesh	Sehore	528,094	344,931	65%	Moderate wet condition	Large Excess	7 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 24-July-2019 to 27-July-2019 4: 28-July-2019 to 31-July-2019 5: 1-August-2019 to 4-August-2019 6: 5-August-2019 to 8-August-2019 7: 9-August-2019 to 12-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
36	Madhya pradesh	Shahdol	376,206	357,981	95%	Moderate wet condition	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 5-August-2019 to 8-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
37	Madhya pradesh	Sidhi	275,219	264,088	96%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 5-August-2019 to 8-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
38	Madhya	Singrauli			91%	Moderate wet	Large	3 heavy spells	1: 4-July-2019 to 7-July-2019 2: 8-			Normal	Overall district	District under	Low risk

	pradesh		278,450	252,081		condition	Excess	in phase 1	July-2019 to 11-July-2019 3: 5-August-2019 to 8-August-2019			condition	at No risk	moderat e risk	
39	Madhya pradesh	Umaria	218,656	211,569	97%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 30-June-2019 to 3-July-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 4: 5-August-2019 to 8-August-2019			Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk
40	Maharashtra	Latur	746,344	428,138	57%	Normal rainfall status	Large Deficient	1 heavy spell in phase 1	1: 31-July-2019 to 3-August-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
41	Maharashtra	Yavatmal	1,035,181	840,706	81%	Moderate water stress	Deficient	5 heavy spells in phase 1	1: 28-June-2019 to 30-June-2019 2: 28-July-2019 to 30-July-2019 3: 31-July-2019 to 2-August-2019 4: 3-August-2019 to 5-August-2019 5: 9-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
42	Maharashtra	Bid	967,731	452,269	47%	Moderate water stress	Large Deficient					Normal condition	Overall district at No risk	District under moderat e risk	Low risk
43	Maharashtra	Ahmadnagar	1,526,638	841,806	55%	Moderate wet condition	Large Deficient	2 heavy spells in phase 1	1: 19-July-2019 to 22-July-2019 2: 4-August-2019 to 7-August-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
44	Maharashtra	Osmanabad	737,869	404,919	55%	Moderate water stress	Large Deficient					Wet condition	Overall district at moderat e risk	District under moderat e risk	Moderat e risk
45	Maharashtra	Solapur	1,452,238	676,531	47%	Moderate water stress	Large Deficient					Wet condition	Overall district at	District under low risk	Moderat e risk

													moderat e risk		
46	Maharashtra	Nagpur	711,669	416,538	59%	Moderate wet condition	Large Excess	5 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 23-July-2019 to 26-July-2019 3: 27-July-2019 to 30-July-2019 4: 31-July-2019 to 3-August-2019 5: 8-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
47	Maharashtra	Chandrapur	653,844	400,600	61%	Wet condition	Normal	6 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 3-July-2019 to 6-July-2019 3: 27-July-2019 to 30-July-2019 4: 31-July-2019 to 3-August-2019 5: 8-August-2019 to 11-August-2019 6: 12-August-2019 to 15-August-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
48	Maharashtra	Washim	478,519	379,481	79%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 21-June-2019 to 24-June-2019 2: 27-July-2019 to 30-July-2019 3: 31-July-2019 to 3-August-2019 4: 8-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
49	Maharashtra	Parbhani	653,081	509,875	78%	Moderate wet condition	Large Deficient	1 heavy spell in phase 1	1: 31-July-2019 to 3-August-2019			Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk
50	Maharashtra	Akola	530,431	309,356	58%	Moderate wet condition	Deficient	3 heavy spells in phase 1	1: 3-July-2019 to 6-July-2019 2: 27-July-2019 to 30-July-2019 3: 8-August-2019 to 11-August-2019			Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk
51	Maharashtra	Amravati	911,194	570,906	63%	Moderate water stress	Normal	5 heavy spells in phase 1	1: 4-July-2019 to 6-July-2019 2: 28-July-2019 to 30-July-2019 3: 31-July-2019 to 2-August-2019 4: 6-August-2019 to 8-August-2019 5: 9-August-2019 to 11-August-2019			Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk

52	Maharashtra	Aurangabad	948,894	495,025	52%	Moderate wet condition	Large Deficient	1 heavy spell in phase 1	1: 21-June-2019 to 24-June-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
53	Maharashtra	Bhandara	278,981	186,131	67%	Moderate wet condition	Large Excess	6 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 23-July-2019 to 26-July-2019 3: 27-July-2019 to 30-July-2019 4: 31-July-2019 to 3-August-2019 5: 8-August-2019 to 11-August-2019 6: 12-August-2019 to 15-August-2019			Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk
54	Maharashtra	Buldana	898,106	666,131	74%	Moderate wet condition	Large Deficient	5 heavy spells in phase 1	1: 3-July-2019 to 6-July-2019 2: 7-July-2019 to 10-July-2019 3: 27-July-2019 to 30-July-2019 4: 31-July-2019 to 3-August-2019 5: 8-August-2019 to 11-August-2019	dry conditon for 1 time in phase 1	1: 9-June-2019 to 20-June-2019	Normal condition	Overall district at No risk	District under moderat e risk	Low risk
55	Maharashtra	Dhule	538,350	215,275	40%	Moderate wet condition	Large Deficient	6 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 19-July-2019 to 22-July-2019 3: 27-July-2019 to 30-July-2019 4: 31-July-2019 to 3-August-2019 5: 4-August-2019 to 7-August-2019 6: 8-August-2019 to 11-August-2019			Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk
56	Maharashtra	Hingoli	430,231	376,406	87%	Moderate wet condition	Deficient	2 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019			Normal condition	Overall district at No risk	District under moderat e risk	Low risk
57	Maharashtra	Jalgaon	1,010,844	828,531	82%	Moderate wet condition	Deficient	4 heavy spells in phase 1	1: 3-July-2019 to 6-July-2019 2: 27-July-2019 to 30-July-2019 3: 4-August-2019 to 7-August-2019 4: 8-August-2019 to 11-	dry conditon for 1 time in phase 1	1: 28-May-2019 to 11-June-2019	Wet condition	Overall district at moderat e risk	District under high risk	Moderat e risk

								August-2019						
58	Maharashtra	Jalna	787,669	434,075	55%	Moderate wet condition	Large Deficient	3 heavy spells in phase 1	1: 21-June-2019 to 24-June-2019 2: 27-July-2019 to 30-July-2019 3: 31-July-2019 to 3-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
59	Maharashtra	Nanded	944,794	822,788	87%	Moderate wet condition	Large Deficient	2 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019	dry conditon for 1 time in phase 1	1: 28-May-2019 to 11-June-2019	Normal condition	Overall district at No risk	District under moderate risk	Low risk
60	Maharashtra	Nandurbar	390,225	232,225	60%	Wet condition	Large Deficient	7 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 3-July-2019 to 6-July-2019 3: 19-July-2019 to 22-July-2019 4: 27-July-2019 to 30-July-2019 5: 31-July-2019 to 3-August-2019 6: 4-August-2019 to 7-August-2019 7: 8-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
61	Maharashtra	Nashik	1,199,256	654,456	55%	Moderate water stress	Large Deficient	7 heavy spells in phase 1	1: 1-July-2019 to 3-July-2019 2: 7-July-2019 to 9-July-2019 3: 19-July-2019 to 21-July-2019 4: 25-July-2019 to 27-July-2019 5: 28-July-2019 to 30-July-2019 6: 31-July-2019 to 2-August-2019 7: 3-August-2019 to 5-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
62	Maharashtra	Pune	1,071,475	778,006	73%	Wet condition	Large Deficient	6 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 7-July-2019 to 10-July-2019 3: 19-July-2019 to 22-July-2019 4: 27-July-2019 to 30-July-2019 5: 31-July-2019 to 3-August-2019 6: 4-August-2019 to 7-August-2019			Wet condition	Overall district at moderate risk	District under high risk	High risk

63	Maharashtra	Sangli	767,063	495,419	65%	Moderate wet condition	Large Deficient	4 heavy spells in phase 1	1: 27-July-2019 to 30-July-2019 2: 31-July-2019 to 3-August-2019 3: 4-August-2019 to 7-August-2019 4: 8-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
64	Maharashtra	Satara	741,331	471,950	64%	Wet condition	Large Deficient	8 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 3-July-2019 to 6-July-2019 3: 7-July-2019 to 10-July-2019 4: 11-July-2019 to 14-July-2019 5: 27-July-2019 to 30-July-2019 6: 31-July-2019 to 3-August-2019 7: 4-August-2019 to 7-August-2019 8: 8-August-2019 to 11-August-2019	dry conditon for 1 time in phase 1	1: 28-May-2019 to 8-June-2019	Wet condition	Overall district at moderate risk	District under high risk	High risk
65	Maharashtra	Wardha	538,219	328,950	61%	Moderate wet condition	Normal	4 heavy spells in phase 1	1: 29-June-2019 to 2-July-2019 2: 27-July-2019 to 30-July-2019 3: 31-July-2019 to 3-August-2019 4: 8-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
66	Rajasthan	Ajmer	632,544	592,875	94%	Moderate water stress	Large Excess	4 heavy spells in phase 1	1: 30-May-2019 to 2-June-2019 2: 5-July-2019 to 8-July-2019 3: 25-July-2019 to 28-July-2019 4: 2-August-2019 to 5-August-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
67	Rajasthan	Banswara	333,894	281,850	84%	Moderate wet condition	Large Deficient	8 heavy spells in all phases	1: 15-June-2019 to 18-June-2019 2: 19-June-2019 to 22-June-2019 3: 23-June-2019 to 26-June-2019 4: 1-July-2019 to 4-July-2019 5: 5-July-2019 to 8-July-2019 6: 29-July-2019 to 1-August-2019 7: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under high risk	Moderate risk

68	Rajasthan	Barmer	2,448,644	435,450	18%	Moderate water stress	Large Deficient					Wet condition	Overall district at moderate risk	District under low risk	Moderate risk
69	Rajasthan	Bhilwara	707,350	686,319	97%	Moderate water stress	Large Excess	6 heavy spells in all phases	1: 30-May-2019 to 2-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 25-July-2019 to 28-July-2019 5: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
70	Rajasthan	Bikaner	2,183,700	429,950	20%	Moderate water stress	Deficient			dry conditon for 1 time in phase 1	1: 29-May-2019 to 12-June-2019	Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
71	Rajasthan	Bundi	373,044	323,363	87%	Moderate wet condition	Large Excess	6 heavy spells in all phases	1: 30-May-2019 to 2-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 25-July-2019 to 28-July-2019 5: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 11-August-2019				Wet condition	Overall district at moderate risk	District under high risk	Moderate risk
72	Rajasthan	Churu	1,542,956	985,513	64%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 25-July-2019 to 28-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
73	Rajasthan	Dungarpur	219,488	216,844	99%	Moderate wet condition	Large Deficient	7 heavy spells in all phases	1: 15-June-2019 to 18-June-2019 2: 19-June-2019 to 22-June-2019 3: 1-July-2019 to 4-July-2019 4: 5-July-2019 to 8-July-2019 5: 29-			Normal condition	Overall district at No risk	District under moderate risk	Low risk

									July-2019 to 1-August-2019 6: 2-August-2019 to 5-August-2019 1: 6-August-2019 to 11-August-2019						
74	Rajasthan	Ganganagar	1,034,338	767,325	74%	Moderate water stress	Deficient			dry conditon for 2 times in phase 1	1: 29-May-2019 to 12-June-2019 2: 28-June-2019 to 12-July-2019	Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
75	Rajasthan	Hanumangarh	1,103,256	698,069	63%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 17-July-2019 to 20-July-2019	dry conditon for 1 time in phase 1	1: 29-May-2019 to 12-June-2019	Normal condition	Overall district at No risk	District under low risk	Low risk
76	Rajasthan	Jaipur	924,675	808,244	87%	Moderate water stress	Excess	2 heavy spells in phase 1	1: 5-July-2019 to 8-July-2019 2: 25-July-2019 to 28-July-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
77	Rajasthan	Jalor	992,963	579,000	58%	Moderate water stress	Large Deficient	2 heavy spells in all phases	1: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 11-August-2019			Watch condition	Overall district at moderate risk	District under low risk	Moderate risk
78	Rajasthan	Jhalawar	418,188	345,269	83%	Moderate water stress	Large Excess	5 heavy spells in all phases	1: 30-May-2019 to 2-June-2019 2: 1-July-2019 to 4-July-2019 3: 5-July-2019 to 8-July-2019 4: 25-July-2019 to 28-July-2019 1: 6-August-2019 to 11-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
79	Rajasthan	Jhunjhunun	561,800	535,450	95%	Moderate water stress	Large Deficient	1 heavy spell in phase 1	1: 25-July-2019 to 28-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
80	Rajasthan	Jodhpur	1,963,631	609,213	31%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 29-July-2019 to 1-August-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
81	Rajasthan	Nagaur	1,778,288	1,152,638	65%	Moderate water stress	Deficient	3 heavy spells in phase 1	1: 5-July-2019 to 8-July-2019 2: 25-July-2019 to 28-July-2019 3: 2-August-2019 to 5-	dry conditon for 1 time in phase 1	1: 29-May-2019 to 12-June-2019	Normal condition	Overall district at No risk	District under no risk	Low risk

									August-2019						
82	Rajasthan	Pali	985,825	663,319	67%	Moderate water stress	Deficient	1 heavy spell in phase 1	1: 25-July-2019 to 28-July-2019	dry conditon for 1 time in phase 1	1: 29-May-2019 to 12-June-2019	Wet condition	Overall district at moderate risk	District under no risk	Moderate risk
83	Rajasthan	Sikar	721,131	652,144	90%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 5-July-2019 to 8-July-2019 2: 25-July-2019 to 28-July-2019			Normal condition	Overall district at No risk	District under no risk	Low risk
84	Rajasthan	Tonk	669,431	557,675	83%	Moderate water stress	Large Excess	2 heavy spells in phase 1	1: 5-July-2019 to 8-July-2019 2: 25-July-2019 to 28-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
85	Rajasthan	Udaipur	380,894	377,325	99%	Moderate water stress	Deficient	5 heavy spells in all phases	1: 15-June-2019 to 18-June-2019 2: 19-June-2019 to 22-June-2019 3: 5-July-2019 to 8-July-2019 4: 29-July-2019 to 1-August-2019 1: 6-August-2019 to 11-August-2019			Wet condition	Overall district at moderate risk	District under moderate risk	Moderate risk
86	Uttar Pradesh	Aligarh	412,031	384,544	93%	Moderate water stress	Normal	3 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019 3: 5-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
87	Uttar Pradesh	Allahabad	480,169	399,525	83%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
88	Uttar Pradesh	Amethi	279,719	266,944	95%	Moderate water stress	Normal	3 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 24-July-2019 to 27-July-2019 3: 5-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under low risk	Low risk

89	Uttar Pradesh	Azamgarh	397,688	346,894	87%	Moderate wet condition	Excess	4 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 4: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
90	Uttar Pradesh	Badaun	481,788	458,244	95%	Moderate water stress	Deficient	2 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 16-July-2019 to 19-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
91	Uttar Pradesh	Balrampur	306,369	292,775	96%	Moderate wet condition	Deficient	4 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 4: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
92	Uttar Pradesh	Banda	427,081	345,069	81%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
93	Uttar Pradesh	Bara Banki	365,344	346,556	95%	Moderate wet condition	Excess	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 4: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under low risk	Low risk
94	Uttar Pradesh	Bareilly	404,025	400,644	99%	Moderate wet condition	Deficient	5 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 4: 16-July-2019 to 19-July-2019 5: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
95	Uttar Pradesh	Chitrakoot	239,106	210,163	88%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk

96	Uttar Pradesh	Faizabad	241,194	235,650	98%	Moderate water stress	Excess	3 heavy spells in phase 1	1: 8-July-2019 to 11-July-2019 2: 12-July-2019 to 15-July-2019 3: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
97	Uttar Pradesh	Fatehpur	373,088	339,719	91%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
98	Uttar Pradesh	Ghazipur	321,988	278,825	87%	Moderate wet condition	Excess	3 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
99	Uttar Pradesh	Gorakhpur	332,225	281,000	85%	Moderate wet condition	Normal	4 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 12-July-2019 to 15-July-2019 4: 24-July-2019 to 27-July-2019			Watch condition	Overall district at moderate risk	District under low risk	Moderate risk
100	Uttar Pradesh	Hamirpur	395,250	334,075	85%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 24-July-2019 to 27-July-2019 3: 28-July-2019 to 31-July-2019 4: 5-August-2019 to 8-August-2019			Normal condition	Overall district at No risk	District under moderate risk	Low risk
101	Uttar Pradesh	Hardoi	628,794	591,344	94%	Moderate wet condition	Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
102	Uttar Pradesh	Jhansi	433,300	342,550	79%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019 4: 5-			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk

									August-2019 to 8-August-2019						
103	Uttar Pradesh	Kaushambi	162,800	146,763	90%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
104	Uttar Pradesh	Lalitpur	399,538	352,388	88%	Moderate water stress	Large Excess	3 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
105	Uttar Pradesh	Lucknow	166,031	154,750	93%	Moderate water stress	Normal	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019 4: 5-August-2019 to 8-August-2019			Watch condition	Overall district at No risk	District under low risk	Moderate risk
106	Uttar Pradesh	Mahoba	279,988	251,169	90%	Moderate wet condition	Large Excess	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 24-July-2019 to 27-July-2019 3: 28-July-2019 to 31-July-2019 4: 5-August-2019 to 8-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk
107	Uttar Pradesh	Mirzapur	289,538	246,475	85%	Normal rainfall status	Large Excess	1 heavy spell in phase 1	1: 8-July-2019 to 11-July-2019			Watch condition	Overall district at No risk	District under high risk	Low risk
108	Uttar Pradesh	Moradabad	250,925	250,600	100%	Moderate wet condition	Normal	2 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019			Normal condition	Overall district at No risk	District under high risk	Low risk
109	Uttar Pradesh	Rae Bareli	296,069	273,613	92%	Moderate water stress	Excess	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019 4: 5-August-2019 to 8-August-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk

110	Uttar Pradesh	Sambhal	249,675	246,794	99%	Normal rainfall status	Normal	1 heavy spell in phase 1	1: 8-July-2019 to 11-July-2019			Normal condition	Overall district at No risk	District under moderate risk	Very low risk
111	Uttar Pradesh	Sitapur	577,075	570,806	99%	Moderate wet condition	Deficient	5 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 4-July-2019 to 7-July-2019 3: 8-July-2019 to 11-July-2019 4: 12-July-2019 to 15-July-2019 5: 24-July-2019 to 27-July-2019			Watch condition	Overall district at No risk	District under extreme risk	Moderate risk
112	Uttar Pradesh	Sonbhadra	271,381	238,156	88%	Moderate wet condition	Large Excess	3 heavy spells in phase 1	1: 22-June-2019 to 25-June-2019 2: 8-July-2019 to 11-July-2019 3: 5-August-2019 to 8-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Low risk
113	Uttar Pradesh	Unnao	419,981	390,119	93%	Moderate water stress	Excess	4 heavy spells in phase 1	1: 4-July-2019 to 7-July-2019 2: 8-July-2019 to 11-July-2019 3: 24-July-2019 to 27-July-2019 4: 5-August-2019 to 8-August-2019			Watch condition	Overall district at No risk	District under moderate risk	Moderate risk

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Monsoon Forecast: Skymet Weather
Reservoir Status: Central Water Commission
Prices: Agmarknet and Mandi Sources
Acreage: Historical data from Ministry of Agriculture, Govt. of India & Directorate of Economics and Statistics
Competitive Crop Analysis: Skymet Weather Services
Farmers Survey: Skymet farmers database collected during various activities
Historical Data: Open source, Skymet and IMD
Market Intelligence: Inputs from traders, local agri input dealers
APEDA: Agricultural and Processed Foods Exports Development Authority

Kharif Crop Outlook 2019/20

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