



**Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department**

Dated: 14 September, 2017

Current Weather Status and Outlook for next two weeks

Highlights of the past week

- The monsoon trough was close to foothills of Himalayas or north of its normal position during the week.
- South Peninsula region received above normal rainfall (26% above the Long Period Average (LPA)) during the week.
- All the sub-divisions of northeast India received normal to excess rainfall activity during the week

Weekly Rainfall Scenario (07 to 13 September, 2017)

During the week, rainfall was below LPA by 31% over the country as a whole. Details are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	31.7	46.2	-31%
Northwest India	9.8	34.8	-72%
Central India	35.4	51.1	-31%
South Peninsula	39.5	31.4	26%
East & northeast India	519.7	568.5	-9%

The Meteorological sub-division-wise rainfall for the week is given in **Annexure I**.

Seasonal Rainfall Scenario (1 June to 13 September, 2017)

For the country as a whole, cumulative rainfall during this year's southwest monsoon season has been 6% below LPA as on 13 September. Details of the rainfall distribution over the four broad homogeneous regions of India are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	752.7	802.0	-6%
Northwest India	519.7	568.5	-9%
Central India	811.4	895.6	-9%
South Peninsula	599.6	617.9	-3%
East & northeast India	1266.6	1280.5	-1%

Cumulative seasonal rainfall is given in **Annexure II**.

Chief synoptic conditions as on 14 September, 2017

- The axis of monsoon trough at mean sea level is north of its normal position.
- An upper air cyclonic circulation lies over eastcentral Arabian Sea & adjoining coastal Karnataka and extends upto 5.8 km above mean sea level.
- A Western Disturbance as an upper air cyclonic circulation lies over north Pakistan & adjoining Jammu & Kashmir between 3.1 km & 3.6 km above mean sea level.
- Another Western Disturbance as a trough in mid-tropospheric westerlies runs roughly along Longitude 66.0°E and north of Latitude 25.0°N.
- An upper air cyclonic circulation lies over southeast Rajasthan & adjoining West Madhya Pradesh & Gujarat at 3.1 km above mean sea level.
- An upper air cyclonic circulation lies over northwest Bay of Bengal and adjoining Gangetic West Bengal & Odisha at lower levels.

Large scale features as on 14 September, 2017

- Neutral El Niño/Southern Oscillation (ENSO) condition is prevailing currently and similar condition is likely to continue during next two weeks.
- Madden Julian Oscillation (MJO) is in phase 2 with amplitude less than 1 and is very likely to move in phase 3 with amplitude less than 1 during the week.
- Indian Ocean Dipole (IOD) is in positive phase (0.3°C above normal).

Forecast for next two week

Rainfall/snowfall:

- **Under the influence of upper air cyclonic circulation over eastcentral Arabian Sea & adjoining coastal Karnataka and due to the wind confluence, fairly widespread to widespread rainfall activity is most likely to occur over Kerala,**

Lakshadweep, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra and Marathawada with possibility of heavy rainfall on a few days during 1st week (14-20 September). Interior Karnataka is also most likely to receive fairly widespread to widespread rainfall activity mainly during first half of the 1st week and decrease thereafter.

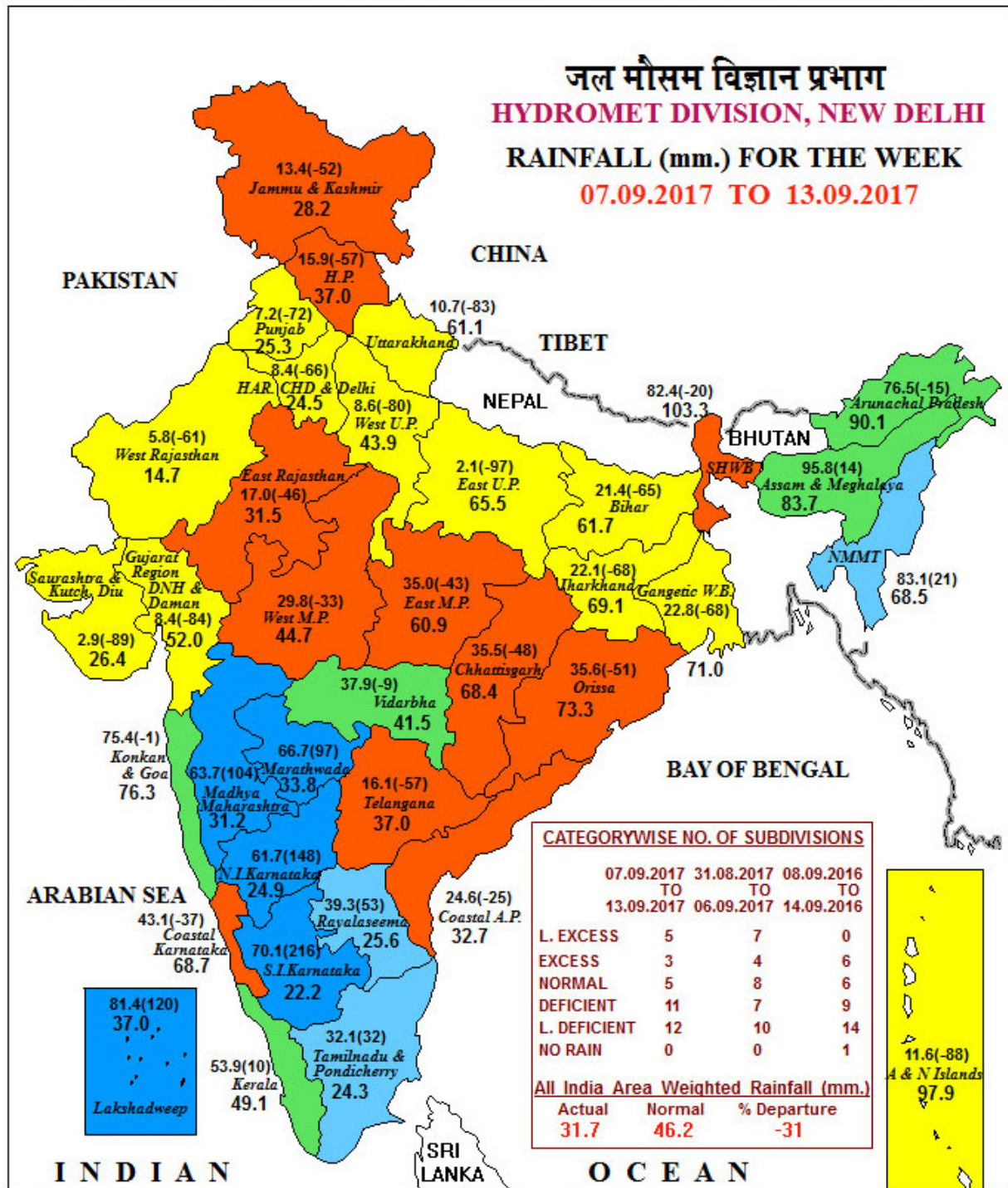
- Fairly widespread to widespread rainfall activity is also most likely to occur over northeastern states, Sub-Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands on most days **with possibility of heavy rainfall on a few days** during 1st week.
- Light to moderate scattered/ fairly widespread rainfall activity is very likely to occur over Coastal Andhra Pradesh, Telangana, Chhattisgarh, Vidarbha, Marathawada, East Madhya Pradesh, Jharkhand, Odisha and Gangetic West Bengal during most days of the 1st week.
- Light isolated to scattered rainfall activity is very likely to occur over remaining parts of the country during 1st week outside **Rajasthan, Punjab, Haryana, Jammu & Kashmir and Himachal Pradesh, where weather is very likely to be dry during second half of the 1st week.**
- **During 1st week, rainfall activity is likely to be above normal over most parts of Peninsular & northeast India. Overall, rainfall activity is likely to be slightly below normal over India as a whole (Annexure IV).**
- During 2nd week (21 to 28 September), rainfall activity is likely to be normal to above normal over most parts of the country. **Overall, rainfall activity is likely to be above normal over India as a whole during 2nd week also (Annexure IV).**

Cyclogenesis:

- A low pressure area may form over Bay of Bengal during 2nd week.

Next weekly update will be issued on next Thursday i.e. 21 September, 2017

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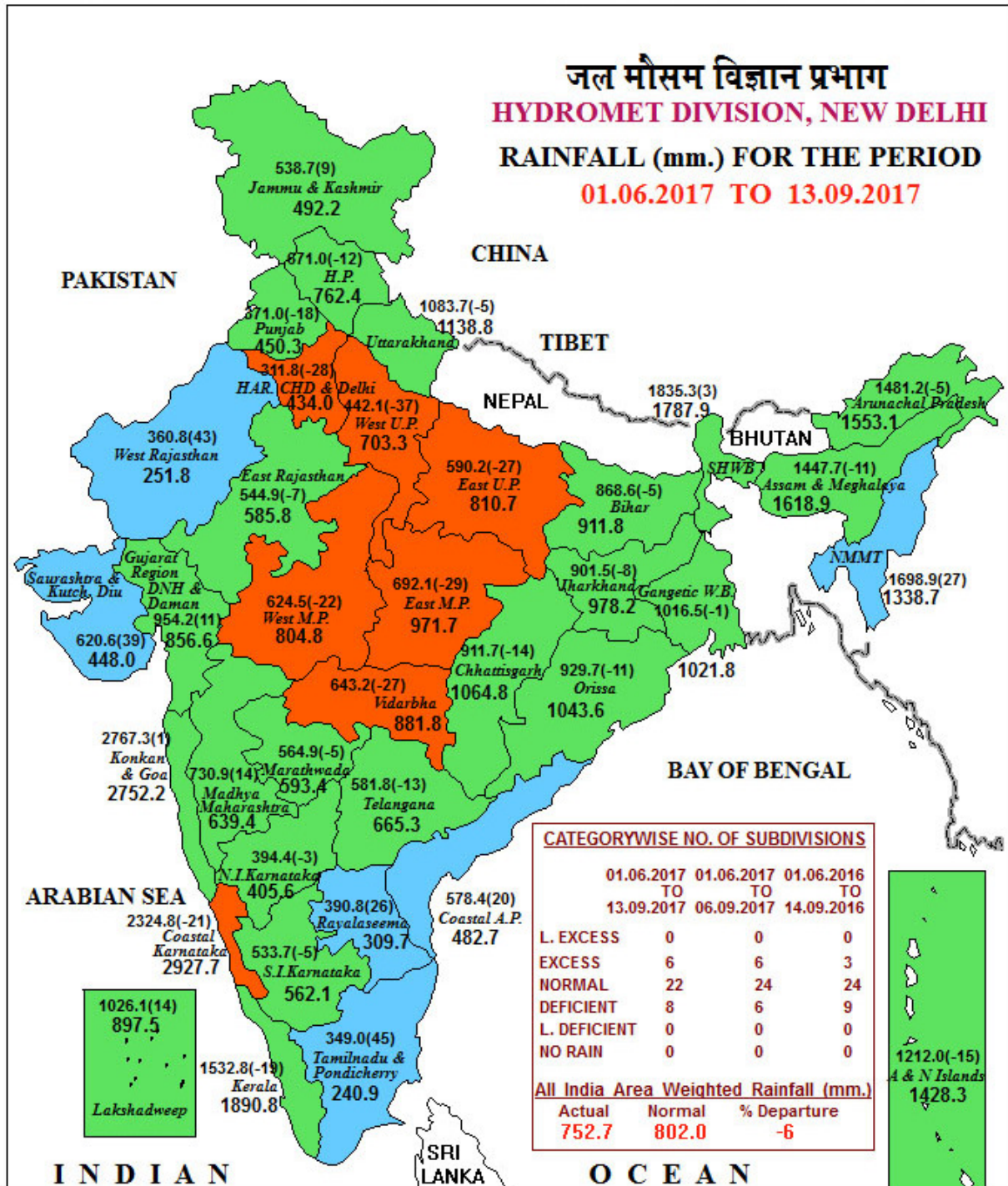
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■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) NO DATA

NOTES:

[a] Rainfall figures are based on operational data.

[b] Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.

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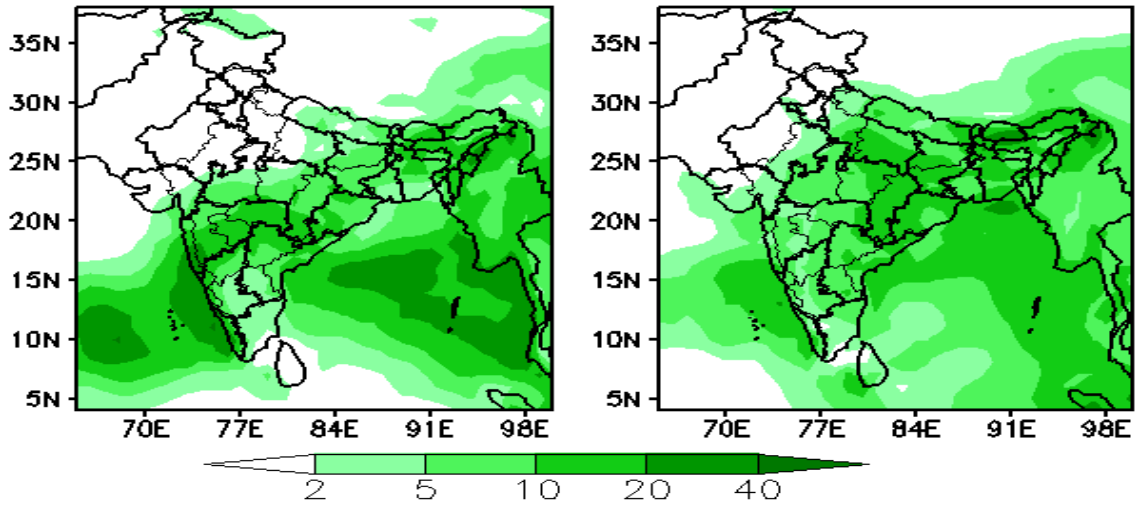
Annexure III

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2017								
Sr. No	MET.SUB-DIVISIONS	14 SEP	15 SEP	16 SEP	17 SEP	18 SEP	19 SEP	20 SEP
1	ANDAMAN & NICO.ISLANDS	FWS	WS	WS [*]	WS [*]	FWS	SCT	SCT
2	ARUNACHAL PRADESH	FWS	SCT	FWS	WS	WS	FWS	FWS
3	ASSAM & MEGHALAYA	FWS [*]	SCT	FWS [*]	WS ^{**}	WS [*]	FWS	FWS [*]
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS	WS [*]	WS [*]	WS	FWS [*]	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS [*]	SCT	SCT	FWS	FWS [*]	FWS	FWS
6	GANGETIC WEST BENGAL	SCT ^{TS}	ISOL	SCT	SCT	FWS	SCT	SCT
7	ODISHA	FWS ^{*TS}	SCT	SCT	SCT	FWS [*]	FWS	FWS [*]
8	JHARKHAND	SCT [*]	SCT	SCT	SCT	SCT	FWS	FWS
9	BIHAR	ISOL	ISOL	ISOL	ISOL	SCT	FWS	FWS
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
11	WEST UTTAR PRADESH	ISOL	ISOL	DRY	DRY	DRY	ISOL	ISOL
12	UTTARAKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
13	HARYANA CHD. & DELHI	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
16	JAMMU & KASHMIR	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	FWS ^{*TS}	SCT ^{TS}	SCT	ISOL	ISOL	SCT	SCT
20	EAST MADHYA PRADESH	FWS ^{*TS}	SCT ^{TS}	SCT	SCT	SCT	SCT	SCT
21	GUJARAT REGION D.D. & N.H.	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS ^{TS}	WS	WS	WS [*]	FWS [*]	FWS	FWS
24	MADHYA MAHARASHTRA	WS ^{*TS}	FWS ^{TS}	FWS	WS	WS	FWS	FWS
25	MARATHAWADA	FWS ^{TS}	FWS ^{TS}	WS	WS	SCT	FWS	FWS
26	VIDARBHA	FWS ^{*TS}	FWS ^{TS}	FWS	SCT	FWS	FWS	FWS
27	CHHATTISGARH	SCT ^{*TS}	SCT ^{TS}	SCT	SCT	FWS	FWS	FWS [*]
28	COASTAL ANDHRA PRADESH	SCT ^{TS}	SCT	SCT	FWS	FWS	FWS [*]	FWS [*]
29	TELANGANA	FWS [*]	FWS	SCT	SCT	FWS	FWS	FWS
30	RAYALASEEMA	ISOL ^{TS}	SCT	SCT	SCT	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL [*]	ISOL	ISOL	ISOL	ISOL	FWS	SCT
32	COASTAL KARNATAKA	WS [*]	WS [*]	WS [*]	WS [*]	WS [*]	FWS	SCT
33	NORTH INT.KARNATAKA	WS [*]	FWS [*]	FWS	SCT	ISOL	FWS	SCT
34	SOUTH INT.KARNATAKA	FWS [*]	FWS	FWS	SCT	SCT	SCT	SCT
35	KERALA	WS ^{**}	WS [*]	WS [*]	WS [*]	FWS [*]	FWS [*]	FWS [*]
36	LAKSHADWEEP	FWS [*]	FWS	WS	WS [*]	WS [*]	WS [*]	WS
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)		FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)				
SCT	SCATTERED / FEW PLACES (26% to 50%)		ISOL	ISOLATED (up to 25%)		DRY	NO STATION REPORTED RAINFALL	
[*] Heavy Rainfall (64.5-115.5 mm)			^{**} Heavy to Very Heavy Rainfall (115.6-204.4 mm)			^{***} Extremely Heavy Rainfall (204.5 mm or more)		
[•] FOG		[*] SNOWFALL		[#] HAILSTORM		[!] HEAT WAVE		[!] SEVERE HEAT WAVE
^{\$} THUNDER SQUALL		^{DS/TS} DUST/THUNDERSTORM		[!] COLD WAVE		[!] SEVERE COLD WAVE		

Actual Rainfall (mm/day)

(Week1: 15Sep-21Sep)

(Week2: 22Sep-28Sep)



Rainfall Anomaly (mm/day)

(Week1: 15Sep-21Sep)

(Week2: 22Sep-28Sep)

