



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

**Press Release  
Dated: 08 September, 2016**

**Subject: Current status of southwest monsoon 2016 and forecast**

**Highlights of the week**

- The western end of monsoon trough was close to foothills of Himalayas during the week.
- A low pressure area influenced east India during 2<sup>nd</sup> half of the week
- Heavy to very heavy rain with extremely heavy fall ( $\geq 20$  cm) occurred at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Bihar on one or two days of the week.

**Weekly Rainfall Scenario (01 to 07 September 2016)**

During the week, rainfall was below Long Period Average (LPA) by 16% over the country as a whole. Details are given below:

<b>Regions</b>	<b>Actual Rainfall (mm)</b>	<b>Normal Rainfall (mm)</b>	<b>% Departure from LPA</b>
<b>Country as a whole</b>	<b>40.3</b>	<b>48.2</b>	<b>-16%</b>
<b>Northwest India</b>	<b>18.0</b>	<b>35.9</b>	<b>-50%</b>
<b>Central India</b>	<b>36.3</b>	<b>58.1</b>	<b>-38%</b>
<b>South Peninsula</b>	<b>22.1</b>	<b>31.5</b>	<b>-30%</b>
<b>East &amp; northeast India</b>	<b>114.0</b>	<b>72.2</b>	<b>58%</b>

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

### Seasonal Rainfall Scenario (01 June to 07 September, 2016)

For the country as a whole, cumulative rainfall during this year's monsoon has so far upto 07 September been 4% below LPA. 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	733.7	762.3	-4%
Northwest India	548.0	538.8	2%
Central India	875.5	852.2	3%
South Peninsula	525.1	591.0	-11%
East & northeast India	1049.4	1213.9	-14%

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

### Current synoptic conditions as on 08 September, 2016

- A low pressure area lies over Jharkhand & adjoining Gangetic West Bengal.
- The western end of the axis of monsoon trough at mean sea level runs close to foothills of Himalayas.
- An upper air cyclonic circulation lies over westcentral Bay of Bengal & neighbourhood between 3.6 & 5.8 km above mean sea levels.
- Current meteorological conditions indicate the formation of a low pressure area over westcentral & adjoining northwest Bay of Bengal during next 48 hours.

### Large scale features as on 08 September, 2016

- Sea surface temperatures continue to be near normal over Eastern & Central equatorial Pacific Ocean, thus indicating ENSO-Neutral conditions.
- Madden Julian Oscillation (MJO) is over West Indian Ocean and weak in magnitude.
- Indian Ocean Dipole (IOD) is in negative phase.

## Forecast & Warnings for next one week (08 to 14 September, 2016)

The Forecast and warnings for the 36 Meteorological Sub-Divisions of the country for next 7 days is given below:

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; WEATHER WARNINGS (08-14 SEPTEMBER 2016)</b>								
S.No	SUB-DIVISIONS	08 SEP	09 SEP	10 SEP	11 SEP	12 SEP	13 SEP	14 SEP
1	ANDAMAN & NICO.ISLANDS	WS <sup>°</sup>	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	SCT <sup>°</sup>	SCT <sup>°</sup>	FWS <sup>**</sup>	FWS <sup>°</sup>	FWS <sup>°</sup>	FWS
3	ASSAM & MEGHALAYA	SCT	SCT <sup>°</sup>	FWS <sup>°</sup>	FWS <sup>**</sup>	FWS <sup>°</sup>	FWS <sup>°</sup>	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS	SCT	SCT	SCT <sup>°</sup>	FWS <sup>°</sup>	SCT	SCT
5	SUB-HIM.W. BENG. & SIKKIM	WS	WS <sup>°</sup>	WS <sup>°</sup>	WS <sup>**</sup>	WS <sup>**</sup>	WS <sup>°</sup>	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	SCT	FWS	FWS	FWS	FWS
7	ODISHA	FWS	WS <sup>°</sup>	WS <sup>°</sup>	WS <sup>°</sup>	FWS	SCT	SCT
8	JHARKHAND	WS	WS	WS	WS	WS	FWS	FWS
9	BIHAR	FWS	FWS	FWS	FWS	FWS <sup>°</sup>	FWS <sup>°</sup>	FWS
10	EAST UTTAR PRADESH	SCT	ISOL	ISOL	SCT	FWS	FWS	FWS
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
12	UTTARAKHAND	ISOL	SCT	SCT	SCT	FWS	FWS	FWS
13	HARYANA CHD. & DELHI	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
14	PUNJAB	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
16	JAMMU & KASHMIR	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	FWS
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	SCT	SCT	SCT	FWS	FWS	SCT	FWS
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
25	MARATHAWADA	ISOL	ISOL	ISOL	SCT	FWS	FWS	SCT
26	VIDARBHA	ISOL	ISOL	ISOL	SCT	FWS	FWS	SCT
27	CHHATTISGARH	SCT	FWS	FWS <sup>°</sup>	FWS <sup>°</sup>	FWS	FWS	SCT
28	COASTAL ANDHRA PRADESH	ISOL	SCT	FWS <sup>°</sup>	WS <sup>°</sup>	WS	SCT	SCT
29	TELANGANA	ISOL	ISOL	SCT	WS <sup>°</sup>	WS <sup>**</sup>	FWS <sup>°</sup>	FWS
30	RAYALASEEMA	ISOL	ISOL	SCT	FWS	WS	SCT	SCT
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
32	COASTAL KARNATAKA	SCT	SCT	FWS	WS	WS	FWS	SCT
33	NORTH INT.KARNATAKA	ISOL	ISOL	ISOL	SCT	FWS <sup>°</sup>	SCT	SCT
34	SOUTH INT.KARNATAKA	ISOL	SCT	SCT	FWS	FWS	SCT	SCT
35	KERALA	ISOL	ISOL	SCT	FWS	FWS	SCT	SCT
36	LAKSHADWEEP	ISOL	ISOL	ISOL	SCT	FWS	SCT	SCT
<b>LEGENDS:</b>								
<b>WS</b>	WIDE SPREAD / MOST PLACES (76-100%)	<b>FWS</b>	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)					
<b>SCT</b>	SCATTERED / FEW PLACES (26% to 50%)	<b>ISOL</b>	ISOLATED (up to 25%)	<b>DRY</b>	NO STATION REPORTED RAINFALL			
<sup>°</sup> Heavy Rainfall (64.5-115.5 mm)		<sup>**</sup> Heavy to Very Heavy Rainfall (115.6-204.4 mm)			<sup>**</sup> Extremely Heavy Rainfall (204.5 mm or more)			

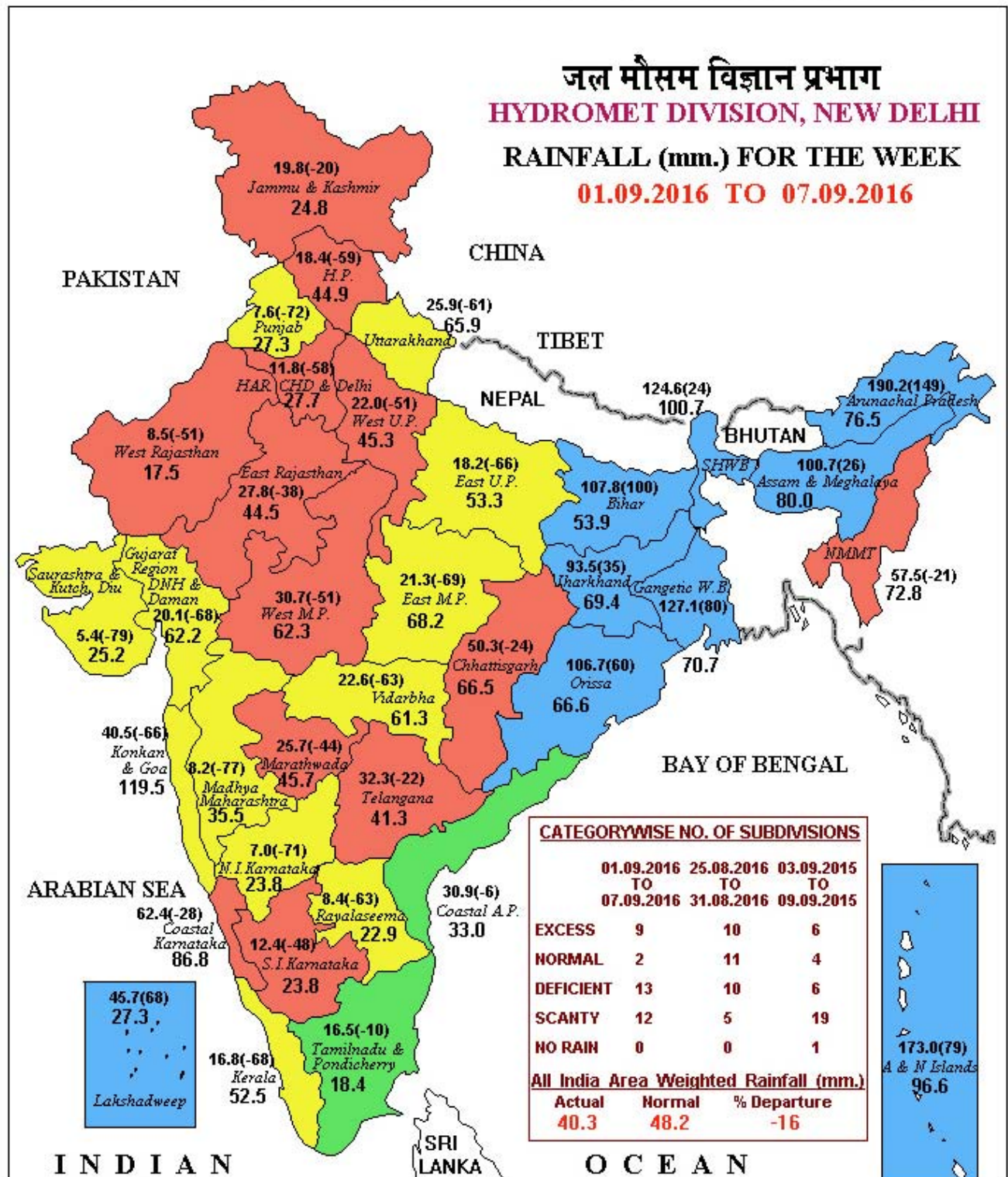
### Extended Range Forecast upto 23 September 2016

- Rainfall is likely to be normal to above normal over east & northeast India and south Peninsula on many days during next two weeks.
- Rainfall activity is likely to increase over many parts of central and adjoining north Peninsular India from 12 September onwards.
- Light rainfall also likely over northwest India from 12 September onwards.

Next weekly update will be issued on Thursday i.e.15 September, 2016

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# भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



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

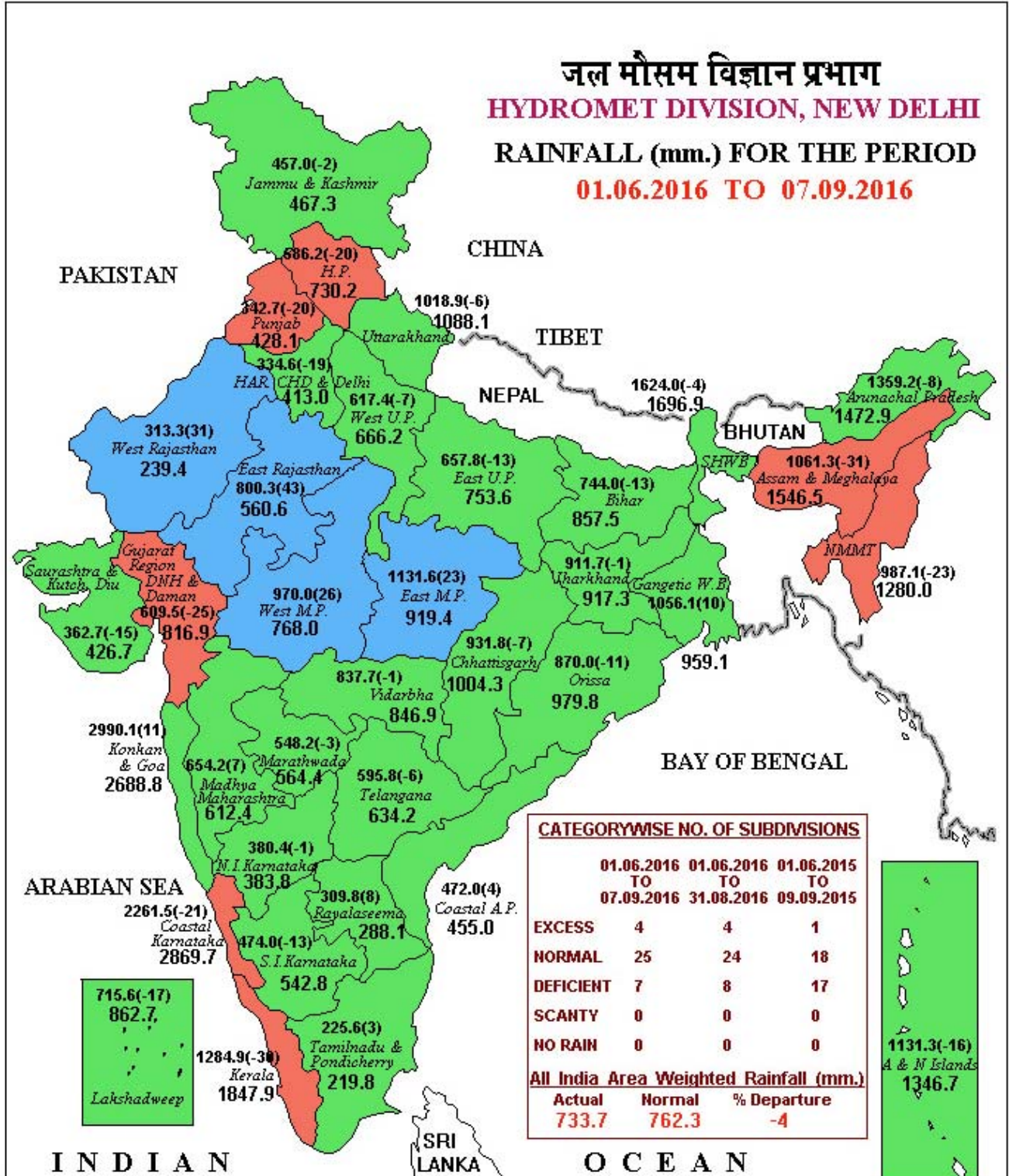
**NOTES:**

[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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