



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

**Dated: 19 July, 2018**

**Current Weather Status and Outlook for next two weeks (19 July to 01 August, 2018)**

**Highlights of the past week (12 to 18 July, 2018)**

**Southwest Monsoon**

- The monsoon trough was active and near normal or south of its normal position during the week.
- During the week, southwest monsoon was above normal over Central India & South Peninsula by 76% & 41% respectively. It was excess to large excess over 17, normal over 5 and deficient to large deficient over 14 sub-divisions of Country.
- Heavy to very heavy rain with extremely heavy falls at one or two places occurred over Gujarat region and Saurashtra & Kutch on four days each; over Odisha, Konkan & Goa, Madhya Maharashtra and Kerala on one or two days each during the week.

**Weekly Rainfall Scenario (12 to 18 July, 2018)**

During the week, rainfall was above Long Period Average (LPA) by 20% over the country as a whole. Details are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	80.2	67.1	20%
Northwest India	49.9	54.0	-08%
Central India	131.4	74.6	76%
South Peninsula	68.0	48.4	41%
East & northeast India	45.6	99.7	-54%

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

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### Monsoon Seasonal Rainfall Scenario (01 June to 18 July, 2018)

For the country as a whole, cumulative rainfall during southwest monsoon 2018 upto 18 July, 2018 is below LPA by 03%. 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	319.2	328.4	-03%
Northwest India	168.7	187.4	-10%
Central India	400.0	348.4	15%
South Peninsula	333.5	283.3	18%
East & northeast India	420.9	613.4	-31%

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

### Chief synoptic conditions as on 19 July, 2018

- A low pressure area lies over central parts of north Madhya Pradesh & neighbourhood and the associated cyclonic circulation extends upto 4.5 km above mean sea level.
- Another low pressure area lies over northwest Bay of Bengal & neighbourhood and associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height.
- The axis of monsoon trough at mean sea level runs south of its normal position and extends and extends upto 2.1 km above mean sea level.
- A cyclonic circulation lies over south Gujarat & neighbourhood between 3.1 km & 7.6 km above mean sea level.
- An off-shore trough at mean sea level runs from Maharashtra to north Kerala coasts.
- A western Disturbance as a cyclonic circulation lies over northeast Afghanistan & adjoining north Pakistan at 5.8 km above mean sea level.

### Large scale features as on 19 July, 2018

- The ENSO(EI Niño–Southern Oscillation) neutral conditions continued to prevail over equatorial Pacific Ocean and the latest MMCFS(Monsoon Mission Coupled Forecasting System) forecast indicates that ENSO neutral conditions are likely to persist during the monsoon season.
- Currently, neutral IOD (-0.1°C) conditions are prevailing over equatorial Indian Ocean. Neutral IOD conditions are likely to prevail during next 2 weeks.

- Madden Julian Oscillation (MJO) is in Phase-5 (Maritime Continent) with high amplitude, it is likely to move in Phase-6 with high amplitude during next one week.

### **Forecast for next two week**

#### **Weather systems & associated Precipitation during Week 1(19 to 25 July, 2018) and Week 2 (26 July to 01 August, 2018)**

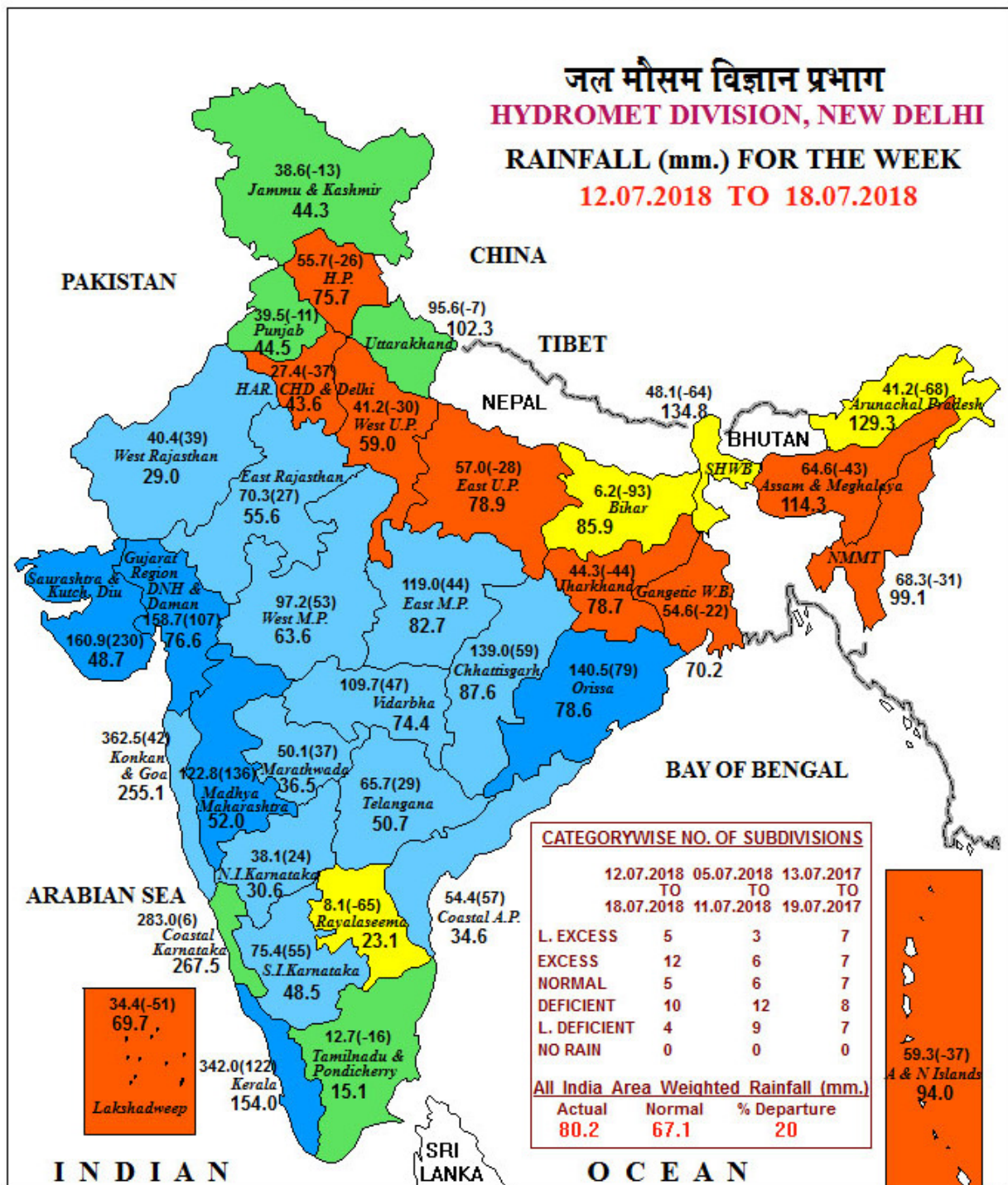
- **Monsoon trough is very likely to active and near its normal or south of its normal position during next one week.**
- **Under the influence of Low pressure area over northwest Bay of Bengal and likely its west-northwestwards movements and another low pressure area over north Madhya Pradesh & neighbourhood, fairly widespread to widespread rainfall likely with heavy to very heavy rainfall at isolated places very likely to occur over Odisha, Gangetic West Bengal, Jharkhand, Chhattisgarh, Vidarbha, Telengana, north coastal Andhra Pradesh, Madhya Pradesh, Gujarat region, Madhya Maharashtra, entire West Coast, East Rajasthan, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, Jammu division, Haryana, Chandigarh & Delhi, Punjab during most days of the 1<sup>st</sup> week. **Isolated extremely heavy rainfall is also likely to occur over Odisha, Vidarbha, Chhattisgarh, Telengana, north coastal Andhra Pradesh on one or two days during first half of the 1<sup>st</sup> week.****
- Scattered to fairly widespread rainfall activity is very likely to occur over remaining parts of the country outside Tamilnadu, where light isolated to scattered rainfall activity is very likely to occur during the 1<sup>st</sup> week (**Annexure III**).
- **Overall rainfall activity is likely to be normal to above normal over east India and northwest & adjoining central India during 1<sup>st</sup> week.**
- **During week 2, above normal rainfall activity is very likely to confine over northern parts of the country (Annexure VI).**

#### **Cyclogenesis:**

- No cyclogenesis likely over Indian Ocean during next one week.

**Next weekly update will be issued on next Thursday i.e. 26 July, 2018**

# भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



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

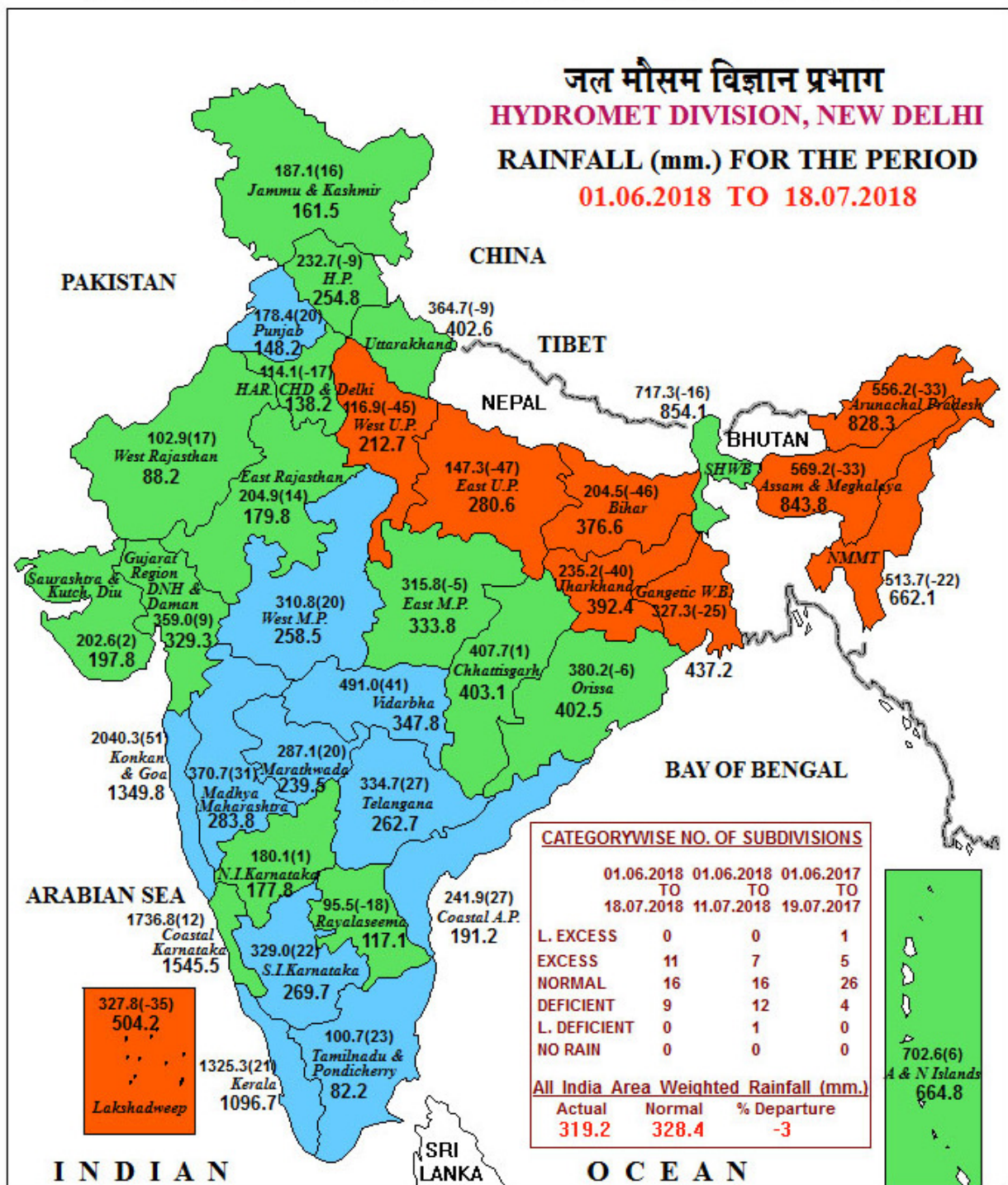
**NOTES:**

[a] Rainfall figures are based on operational data.

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



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## Annexure III

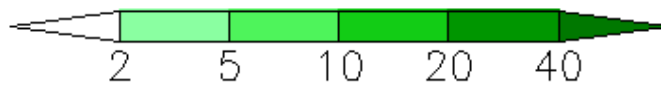
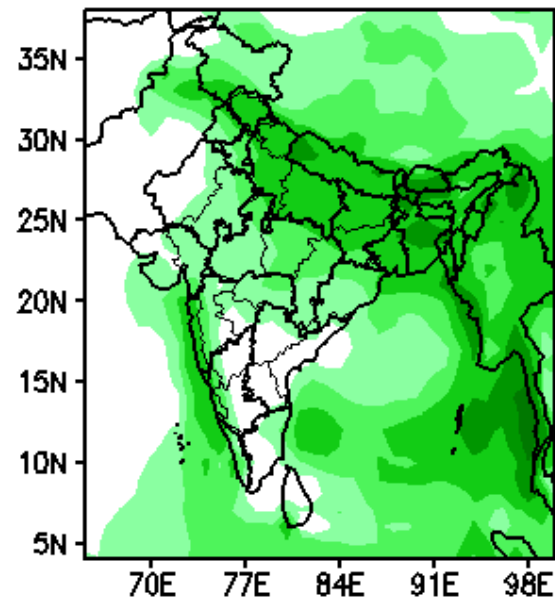
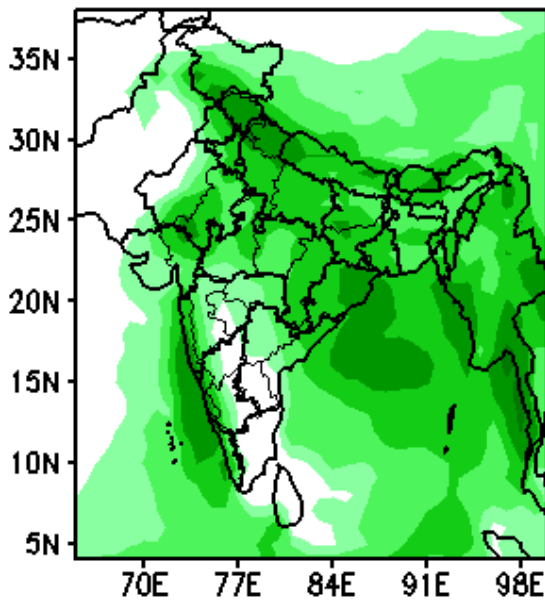
## METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018

Sr. No	MET.SUB-DIVISIONS	19 JUL	20 JUL	21 JUL	22 JUL	23 JUL	24 JUL	25 JUL
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	FWS	FWS	WS	WS	FWS
2	ARUNACHAL PRADESH	ISOL	ISOL	SCT	SCT	FWS	FWS*	FWS*
3	ASSAM & MEGHALAYA	ISOL	SCT	FWS*	FWS	FWS	FWS*	FWS*
4	NAGA.MANI.MIZO.& TRIPURA	SCT	FWS*	FWS*	FWS	FWS	FWS*	FWS*
5	SUB-HIM.W. BENG. & SIKKIM	SCT	SCT	SCT	FWS	FWS	FWS	WS*
6	GANGETIC WEST BENGAL	SCT	FWS*	WS*	FWS	FWS	FWS	WS*
7	ODISHA	FWS*	WS**	WS**	WS**	FWS	FWS	FWS
8	JHARKHAND	SCT	SCT	FWS*	FWS*	FWS	FWS	FWS
9	BIHAR	ISOL	ISOL	SCT	SCT	SCT	FWS	FWS*
10	EAST UTTAR PRADESH	ISOL	ISOL	FWS*	WS*	WS*	FWS	SCT
11	WEST UTTAR PRADESH	SCT	WS	WS*	WS*	WS*	FWS*	FWS*
12	UTTARAKHAND	FWS*	WS**	WS**	WS**	WS**	WS*	WS*
13	HARYANA CHD. & DELHI	FWS	SCT	FWS	WS*	WS*	WS	WS*
14	PUNJAB	FWS	SCT	FWS	WS*	WS*	WS	WS*
15	HIMACHAL PRADESH	FWS	FWS*	WS**	WS**	WS**	WS*	WS*
16	JAMMU & KASHMIR	SCT	SCT	FWS*	FWS*	WS*	WS	WS
17	WEST RAJASTHAN	SCT*	SCT*	ISOL	SCT	SCT	SCT	FWS
18	EAST RAJASTHAN	WS**	WS**	SCT*	WS	FWS*	WS*	WS*
19	WEST MADHYA PRADESH	WS**	FWS*	WS*	WS*	WS**	FWS	FWS*
20	EAST MADHYA PRADESH	FWS**	WS**	FWS	FWS	WS*	WS*	FWS*
21	GUJARAT REGION D.D. & N.H.	FWS**	FWS*	FWS	FWS*	FWS*	WS	WS
22	SAURASTRA KUTCH & DIU	FWS*	SCT	SCT	SCT	SCT	SCT	SCT
23	KONKAN & GOA	WS**	WS**	WS**	WS**	WS*	WS*	WS*
24	MADHYA MAHARASHTRA	FWS*	FWS*	FWS*	FWS*	FWS	SCT	SCT
25	MARATHAWADA	ISOL	SCT	FWS	FWS	FWS	SCT	SCT
26	VIDARBHA	FWS	FWS*	WS**	WS**	FWS*	SCT	SCT
27	CHHATTISGARH	FWS	WS**	WS**	WS**	WS*	FWS	SCT
28	COASTAL ANDHRA PRADESH	FWS**	FWS**	SCT**	ISOL*	ISOL	ISOL	SCT
29	TELANGANA	SCT	WS**	WS**	FWS**	FWS*	SCT	ISOL
30	RAYALASEEMA	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL*	ISOL*	ISOL	ISOL	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	WS**	WS**	WS**	WS**	WS**	WS*	WS*
33	NORTH INT.KARNATAKA	SCT	SCT*	FWS**	SCT**	FWS**	SCT	SCT
34	SOUTH INT.KARNATAKA	FWS*	FWS*	FWS**	SCT**	FWS**	FWS	FWS
35	KERALA	WS**	WS**	WS**	WS*	WS*	WS*	WS*
36	LAKSHADWEEP	WS	WS	WS	WS	WS	WS	WS
<b>LEGENDS:</b>								
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%)		D/DRY	NIL 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 (+4.5°C to +6.4°C)		⬆️ SEVERE HEAT WAVE (> +6.4)		
§ THUNDERSTORM WITH SQUALL/GUSTY WIND			DS/TS DUST/THUNDERSTORM		⬇️ COLD WAVE (-4.5°C to -6.4°C)		⬇️ SEVERE COLD WAVE (< -6.4)	

### Actual Rainfall (mm/day)

(Week1: 20Jul-26Jul)

(Week2: 27Jul-02Aug)



### Rainfall Anomaly (mm/day)

(Week1: 20Jul-26Jul)

(Week2: 27Jul-02Aug)

