

Monday, 24th July 2017 (2nd Shravana 1939 Saka)

Summary of observations recorded at 0830 hrs: The low pressure area over east Rajasthan and neighbourhood lay over south Rajasthan and neighbourhood, yesterday evening. It persists over the same region now. Associated cyclonic circulation extends upto 7.6 kms a. s. l. Under the influence of the cyclonic circulation over Gangetic West Bengal and neighbourhood, a low pressure area formed over Gangetic West Bengal and adjoining areas of Jharkhand, yesterday evening. It now lies as a well marked low pressure area over the same region. Associated cyclonic circulation extends upto 9.5 kms a. s. l. The axis of monsoon trough at mean sea level now passes through Bikaner, the centre of low pressure area over south Rajasthan and neighbourhood, Sheopur, Gazipur, centre of the well marked low pressure area over Gangetic West Bengal and adjoining areas of Jharkhand and thence east - southeastwards to northeast Bay of Bengal. It extends upto 3.1 kms a. s. l. The western disturbance as an upper air cyclonic circulation extending between 3.1 & 5.8 kms a. s. l. over Jammu & Kashmir and neighbourhood persists with a trough aloft with its axis at 7.6 kms a.s.l. now running roughly along Long.73°E to the north of Lat.32°N. System is likely to move east-northeastwards. The offshore trough at mean sea level from south Gujarat coast to north Maharashtra coast has become less marked. The east - west shear zone along Lat.23°N has become unimportant.

The southwest Monsoon has been vigorous over Gangetic West Bengal, Jharkhand and Gujarat Region and active over Nagaland-Manipur-Mizoram-Tripura, Odisha, east Rajasthan and Madhya Maharashtra.

Cumulative Rainfall: Total rainfall during the past 24 hours reported by 351 stations in the plains is 583.0 cms. Normal for these 351 stations is 449.6 cms.

Indian Regions	Realised rainfall & Chief amounts (in cms) during past 24 hrs
East	most places: Assam & Meghalaya ⁺ , Nagaland-Manipur-Mizoram-Tripura ⁺ , Sub-Himalayan West Bengal & Sikkim ⁺ , Gangetic West Bengal ⁺⁺⁺ , Jharkhand [#] ; many places: Arunachal Pradesh, Odisha ⁺⁺⁺ , Bihar ⁺ . <i>Jamshedpur AP 22.7, Tensa 19.6, Champua 14.0, Purihansa 13.0, Chandil 12.5, D.P.Ghat 11.9, Cherrapunji (Rkm) 11.4, Cherrapunji 11.1, Bankura 11.0, Lunglei 9.1, Dehri 8.5, Kolkata AP 7.7, Nagarkata 7.2, Sheikhpura 6.9, Sevoke 5.7, Itanagar 5.1, Sonamura 4.6, Jharsuguda AP 4.0, Agartala AP 3.1, Gaya AP 3.0, Tadong 2.4, Gangtok 2.2, Daporijo 1.9, Passighat 0.6.</i>
North	most places: Himachal Pradesh ⁺ ; many places: east Rajasthan [@] ; a few places: east Uttar Pradesh ⁺ , west Uttar Pradesh, Uttarakhand, Haryana, Punjab, Jammu & Kashmir ⁺⁺ , west Rajasthan [@] . <i>Mounnt Abu Tehsil 77.3, Mount Abu 73.3, Bhinmal 25.7, Erinpura Rd. & Sumerpur 23.0 each, Katra 14.4, Dharamsala 10.6, Baijnath & Kangra AP 7.0 each, Zamania 6.6, Kalpi Tehsil 6.4, Phagwara & Samba 6.0 each, Dudhi 5.6, Ludhiana 5.2, Jammu City 4.9, Barmer 4.0, Orai 3.7, Chaukhutia 3.5, Barkot 3.4, Chhachhrauli 3.0, Dadupur 2.5, Sitapur 2.0, Dharchula 1.8, Karnal 1.5, Varanasi city 1.4, Aligarh & Dehra Dun 0.3 each.</i>
Central	most places: Vidarbha; many places: Madhya Pradesh, Chhattisgarh ⁺ . <i>Pathalgaon 8.0, Ambikapur 7.3, Satna 4.9, Nagode 4.4, Jalgaon Jamod & Sailana 4.0 each, Ratlam 3.7, Babulgaon 2.7, Akola 0.7.</i>
Peninsula	most places: Gujarat Region [#] , Konkan & Goa ⁺ , coastal Karnataka; many places: Madhya Maharashtra ⁺⁺ ; a few places: Saurashtra & Kutch, Marathwada, south interior Karnataka, Kerala; isolated places: Andhra Pradesh, Tamil Nadu, north interior Karnataka. <i>Dantiwada 34.2, Palanpur 25.5, Deesa 24.8, Mahabaleshwar 15.1, Lonavala(Agri) 13.2, Vikramgad 11.4, Talasari 10.5, Bhira 8.5, Harnai 6.2, Mahur 4.9, Gersoppa 4.2, Kandla Airport 3.8, Dhrangadhra 3.5, Vijaywada AP 3.3, Agumbe 2.8, Londa 2.6, Kadra, Shirali, Siddapura & Sulya 2.4 each, Honavar & Tanuku 2.3 each, Kottigehara 2.2, New Kandla 2.1, Hadgaon 1.9, Hosdurg & Karipur 1.8 each, Kunnamkulam 1.7, Madikeri 1.4, Khanapur 1.3, Kakinada 1.1, Boath 0.8, Arimalam 0.7, Utnur 0.6, Aurangabad AP 0.5, CIAL Kochi & Thottambedu 0.4 each, Belgaum (Sambra) & Periyar 0.3 each, Tirupathi AP & Valparai 0.2 each.</i>
Islands	a few places: Andaman & Nicobar; isolated places: Lakshadweep [*] . <i>Long Islands 1.2, Hut Bay 0.6, Amini Divi 0.1.</i>

Legends: # = heavy to very heavy rain at a few places with extremely heavy rain at isolated places @ = heavy to very heavy rain and extremely heavy rain at isolated places +++ = heavy rain at a few places with very heavy rain at isolated places ++ = heavy to very heavy rain at isolated places + = heavy rain at isolated places ◆ = very light rain.

Meteorological Office, Pune

Issued at 1245 hrs. IST

For Head, Climate Monitoring & Analysis Group,
Climate Research Division, Pune

Sub Division	Forecast Distribution of Rain / thundershowers for 5 days (Valid from Time of Origin upto 0830 hrs IST of next day)				
	Day 1	Day 2	Day 3	Day 4	Day 5
	24 th July	25 th July	26 th July	27 th July	28 th July
1) Andaman / Nicobar Islands	Fw	Fw	Fw	Fw	W
2) Arunachal Pradesh	Fw€	Sc	Sc	Sc	Fw
3) Assam & Meghalaya	Fw€	Fw€	Fw	Fw	Fw
4) Nagaland-Manipur-Mizoram-Tripura	Fw€	Fw€	Fw	Fw	Fw
5) Sub-Himalayan West Bengal/Sikkim	W€	W€	Fw	Fw	W€
6) Gangetic West Bengal	W€	W€	W	Fw	Fw
7) Odisha	W€	W€	Fw	Fw	Fw
8) Jharkhand	W€	W€	W€	W	W
9) Bihar	W€	W€	Fw	Fw	W
10) east Uttar Pradesh	Fw€	Fw€	Fw	Fw	W
11) west Uttar Pradesh	Sc	Sc	Sc	Fw	W
12) Uttarakhand	W	W	W	W	W€
13) Haryana, Chandigarh & Delhi	Sc	Sc	Sc	Sc	W€
14) Punjab	Sc	Sc	Sc	Sc	W€
15) Himachal Pradesh	W€	Fw€	Fw	W€	W
16) Jammu & Kashmir	Fw€	Fw€	Fw	Fw€	W
17) west Rajasthan	Fw€	Fw€	Sc€	Fw	Sc
18) east Rajasthan	Fw€	Fw€	Fw	Fw€	Fw€
19) west Madhya Pradesh	Fw	Fw	Fw	Fw	Sc
20) east Madhya Pradesh	Fw	Fw€	Fw€	Fw	Sc
21) Gujarat Region	W€	W€	Fw€	Fw	Sc
22) Saurashtra / Kutch	W€	W€	Fw€	Fw	Sc
23) Konkan & Goa	W€	W€	W	W	W
24) Madhya Maharashtra	Fw€	Fw	Sc	Sc	Sc
25) Marathwada	Sc	Iso	Iso	Iso	Iso
26) Vidarbha	Sc	Sc	Sc	Sc	Sc
27) Chhattisgarh	W€	Fw€	Fw€	Sc	Sc
28) coastal Andhra Pradesh	Iso	Iso	Iso	Iso	Sc
29) Telangana	Iso	Iso	Iso	Iso	Sc
30) Rayalaseema	Iso	Iso	Iso	Iso	Sc
31) Tamil Nadu & Puducherry	Iso	Iso	Sc	Sc	Sc
32) coastal Karnataka	W	W	W	W	W
33) north interior Karnataka	Sc	Sc	Iso	Iso	Sc
34) south interior Karnataka	Sc	Sc	Sc	Sc	Sc
35) Kerala	Sc	Sc	Sc	Sc	Sc
36) Lakshadweep	Sc	Sc	Sc	Sc	Sc

Legends: Probability of occurrence may be taken as **very likely** (probability between 51 & 75%), unless specified otherwise €.....Weather warning on page 3.

Weather Warning[€] (valid upto 0830 hrs IST of next day):

Day 1 (24th July): Heavy to very heavy rain at a few places with extremely heavy rain at isolated places is very likely over Gujarat region and heavy to very heavy rain with extremely heavy rain at isolated places is very likely over Gangetic West Bengal, north Odisha, Jharkhand, south Rajasthan and Saurashtra & Kutch.

Heavy to very heavy rain at isolated places is very likely over Assam & Meghalaya.

Heavy rain at isolated places is very likely over Arunachal Pradesh, Nagaland-Manipur-Mizoram-Tripura, Sub-Himalayan West Bengal & Sikkim, Bihar, east Uttar Pradesh, Himachal Pradesh, Jammu & Kashmir, north Konkan, Madhya Maharashtra and Chhattisgarh.

Day 2 (25th July): Heavy to very heavy rain with extremely heavy rain at isolated places is very likely over Gujarat Region.

Heavy to very heavy rain at isolated places is very likely over Gangetic West Bengal, Jharkhand, Rajasthan, Saurashtra & Kutch and north Chhattisgarh.

Heavy rain at isolated places is very likely over Assam & Meghalaya, Nagaland-Manipur-Mizoram-Tripura, Sub-Himalayan West Bengal & Sikkim, Odisha, Bihar, east Uttar Pradesh, Himachal Pradesh, Jammu & Kashmir, northeast Madhya Pradesh and north Konkan.

Day 3 (26th July): Heavy to very heavy rain with extremely heavy rain at isolated places is very likely over Gujarat Region.

Heavy to very heavy rain at isolated places is very likely over Saurashtra & Kutch.

Heavy rain at isolated places is very likely over Jharkhand, west Rajasthan, northeast Madhya Pradesh and Chhattisgarh.

Day 4 (27th July): Heavy rain at isolated places is likely over Himachal Pradesh, Jammu & Kashmir and east Rajasthan.

Day 5 (28th July): Heavy rain at isolated places is likely over Sub-Himalayan West Bengal & Sikkim, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab and east Rajasthan.

Weather Outlook for the subsequent 2 days (29th & 30th July 2017):

Fairly widespread rainfall likely over northwest India, northern plains and west coast and isolated to scattered rainfall likely over the rest of the country.

Pune, Lohegaon and Pashan observations at 0830 hrs. IST of Today.												
	Temperature (°C)					Humidity (%)				Rainfall (mm)		
	Max. past 24 hrs	Dep. from normal	Min. past 24 hrs.	Dep. from normal	Dry bulb	At 0830 hrs. IST	Dep. From normal	At 1730 hrs. IST of y'day	Dep. from normal	Past 24 hrs.	Since 1 st June	Dep. from normal
PNE	26.4	- 1.7	22.1	0.0	24.4	84	- 1	85	+ 7	6.1	380.3	+100.2
LHG	26.9	- 1.1	22.5	+ 2.5	24.5	83	- 4	80	+ 4	6.9	370.6	+146.3
PSN	25.9	-	22.0	-	23.2	93	-	79	-	10.4	374.3	-

Local (Pune and neighbourhood) forecast			
Date	Max. Temp. (°C)	Min. Temp. (°C)	Weather
24.07.2017	27	22.1*	Intermittent spells of light rain very likely.
25.07.2017	28	22	Intermittent spells of light rain very likely.
26.07.2017	28	23	A few spells of rain likely.
27.07.2017	29	23	One or two spells of rain likely.
28.07.2017	29	23	Light rain likely in some areas.
29.07.2017	30	23	Light rain likely in some areas.
30.07.2017	30	23	Light rain likely in some areas.

Legends: * = Realised minimum temperature.

Description:-	% of stations reporting weather
Widespread (W)	76 - 100
Fairly widespread (Fw)	51 - 75
Scattered (Sc)	26 - 50
Isolated (Iso)	1 - 25
Dry	No Rain

Probability Terms in %:	
unlikely	< 25
likely	between 25 & 50
very likely	between 51 & 75
most likely	>75

Rainfall / Snowfall Intensity:

Descriptive term	Rainfall amount in mms
Very light rain	trace to 2.4
Light rain	2.5 to 15.5
Moderate rain	15.6 to 64.4
Heavy rain	64.5 to 115.5
Very heavy rain	115.6 to 204.4
Extremely heavy rain	≥ 204.5
Heavy snow	6.5 to 11.5 cms water equivalent of rain
Very heavy snow	11.6 to 20.4 cms water equivalent of rain