

Friday, 22nd June 2018 (1st Ashadha 1940 Saka)

Summary of observations recorded at 0830 hrs : Conditions are becoming favourable for further advance of Southwest Monsoon over remaining parts of Assam, some more parts of Maharashtra, Chhattisgarh, Odisha, West Bengal and some parts of south Gujarat region, Jharkhand, Bihar and Madhya Pradesh during next 2-3 days. The Northern Limit of Monsoon continues to pass through Lat. 19°N/ Long. 60°E, Lat. 19°N/ Long. 70°E, Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N / Long. 89°E, Goalpara, Baghdogra and Lat. 27°N / Long. 87°E. A fresh Western Disturbance as a trough in mid & upper tropospheric levels with its axis at 5.8 kms a. s. l. runs roughly along Long. 68°E to the north of lat. 34°N. System is likely to move east - northeastwards. The cyclonic circulation over north west Uttar Pradesh and neighbourhood now lies over southwest Uttar Pradesh and neighbourhood and extends upto 0.9 km a. s. l. The east - west trough now runs from the cyclonic circulation over southwest Uttar Pradesh and neighbourhood to Sub-Himalayan West Bengal and extends upto 0.9 km a. s. l. The cyclonic circulation over south Konkan and neighbourhood persists and now extends between 3.6 & 5.8 kms a. s. l. The off-shore trough at mean sea level from Maharashtra coast to Kerala coast persists. The cyclonic circulation over westcentral and adjoining northwest Bay of Bengal now lies over northwest Bay of Bengal and neighbourhood and extends between 3.1 & 5.8 kms a. s. l. The east - west shear zone now runs roughly along Lat. 19° N over Indian region between 3.1 & 7.6 kms a. s. l. and tilts southwards with height. A trough runs from Bihar to northwest Bay of Bengal across Jharkhand at 1.5 kms a. s. l.

In the regions where the southwest monsoon is yet to set in, **day temperatures** were markedly above normal in east Uttar Pradesh; in some parts of west Uttar Pradesh and of Madhya Pradesh; appreciably to markedly above normal in some parts of Bihar, Uttarakhand, Haryana, Chandigarh & Delhi, Himachal Pradesh, east Rajasthan and of Gujarat Region and in remaining parts of west Uttar Pradesh; appreciably above normal in some parts of west Rajasthan and of Saurashtra & Kutch and in remaining parts of east Rajasthan and of Madhya Pradesh and were above normal in remaining parts of west Rajasthan and of Saurashtra & Kutch. Temperatures were normal over the rest of the country. **The highest maximum temperature recorded over the plains was 45.7°C at Jhanshi (west Uttar Pradesh).**

The southwest Monsoon has been active over Kerala. It has been subdued over Nagaland-Manipur-Mizoram-Tripura and Tamil Nadu.

Cumulative Rainfall: Total rainfall during the past 24 hours reported by 342 stations in the plains is 243.9 cms. Normal for these 342 stations is 336.7 cms.

Indian Regions	Realised rainfall & Chief amounts (in cms) during past 24 hrs
East	<p>most places: Arunachal Pradesh*, Sub-Himalayan West Bengal & Sikkim#;</p> <p>many places: Assam & Meghalaya*, Odisha*;</p> <p>a few places: Nagaland-Manipur-Mizoram-Tripura, Gangetic West Bengal;</p> <p>isolated places: Jharkhand, Bihar*.</p> <p>Cooch Behar 21.2, Barobhisha 15.2, Kokrajhar 11.5, Angul 11.2, Gossaigaon 9.8, Panbari 9.6, Daitari 9.0, Alipurduar CWC 8.2, Barpalli ARG 7.6, Along AWS 7.5, Chorgharia 7.3, Cherrapunji 5.8, Puri 5.7, Kalaikunda 4.8, Naharlagun 4.6, Kolkata 3.9, Passighat 2.6, Ghatsila 2.2, Palkot 2.0, Durgachak, Hindgir & Senapati AWS 1.3 each, Hazaribagh 0.8, Bahadurganj, Kohima & Taibpur 0.7 each, Aizawal, Birpur & Thoubal AWS 0.6 each, Imphal 0.3, Forbesganj 0.2.</p>
North	<p>a few places: Jammu & Kashmir;</p> <p>isolated places: Uttarakhand, Himachal Pradesh, Rajasthan.</p> <p>dry weather: Uttar Pradesh, Haryana, Punjab.</p> <p>Danpur & Ghatol 3.5 each, Deeg 3.0, Jagpura 1.8, Baderwah 1.4, Bandipora 0.8, Banswara 0.7, Munsyari 0.6, Udaipur 0.5, Bharmaur & Padampur 0.4 each, Bhopalgarh, Gulmarg AWS & Ukhimath 0.3 each, Dharchula 0.2, Gulmarg 0.1.</p>
Central	<p>most places: Vidarbha*;</p> <p>many places: Chhattisgarh****;</p> <p>a few places: west Madhya Pradesh*, east Madhya Pradesh.</p> <p>Narayanpur 11.8, Balod 11.1, Dondilohara & Rajnandgaon 7.5 each, Kukshi 7.0, Buldhana & Rajura 6.9 each, Mauda 6.8, Gadchiroli 5.7, Khurai 4.9, Betul & Napanagar 4.2 each, Multai 3.7, Jagdalpur 3.1, Sohagpur AWS 2.7, Kotma 2.5, Chindwara 0.9.</p>
Peninsula	<p>most places: Konkan & Goa***, Kerala*;</p> <p>many places: Madhya Maharashtra*, Marathwada, coastal Karnataka;</p> <p>a few places: coastal Andhra Pradesh, Telangana*, south interior Karnataka*;</p> <p>isolated places: Gujarat Region, Saurashtra & Kutch*, Rayalaseema, Tamil Nadu, north interior Karnataka.</p> <p>Harnai 17.8, Dapoliagri 14.8, Guhagarh 14.6, Kudulu & Vadakara 10.6 each, Perinthalamanna 9.1, Ponnani 9.0, Bhagamandala 8.3, Kopargaon 8.0, Shrigonda 7.4, Medak 6.7, Pune 6.5, Aurangabad AP 6.1, Alappuzha 5.2, Gudivada 4.9, Madnur & Paderu 4.7 each, Gangapur 4.4, Ashti 4.2, Gantayada 4.0, Kota & Kottigehara 3.9 each, Bheemadevarpalle & Gandhari 3.5 each, Pechiparai 2.9, Penagaluru 2.8, Mudigere 2.7, Bidar & Kodur 2.2 each, Aurad & Udupi 2.1 each, Londa 1.9, Hanamkonda & Lakkireddipalle 1.6 each, Kumta & Salem 1.5 each, Agumbe & Valparai 1.3 each, Honavar, Madikeri & Nizer 0.9 each, Nandigama 0.8, Songadh 0.5, Khergam 0.4, Kalingapatnam 0.2, Barvala 0.1.</p>
Islands	<p>isolated places: Andaman & Nicobar*.</p> <p>dry weather: Lakshadweep.</p> <p>Port Blair 0.2.</p>

Legends: # = heavy to very heavy rain at isolated places with 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

S No.	Sub Division Name	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
		22 June	23 June	24 June	25 June	26 June
1	Andaman / Nicobar Islands	Fw	Fw	Fw	Fw	Fw
2	Arunachal Pradesh	Fw	Fw€	Fw€	Fw€	Sc€
3	Assam & Meghalaya	Fw€	Fw€	W€	W€	W€
4	Nagaland-Manipur-Mizoram-Tripura	Sc	Fw€	Fw€	W€	W
5	Sub-Himalayan West Bengal/Sikkim	W€	W€	W€	W€	W€
6	Gangetic West Bengal	Sc€	Fw	Fw	W€	W€
7	Odisha	Fw€	Fw€	Fw€	W€	W€
8	Jharkhand	Iso€	Sc	Fw	Fw€	Fw€
9	Bihar	Iso€	Sc	Fw	Fw€	Fw€
10	east Uttar Pradesh	Iso€	Iso	Iso	Sc	Sc
11	west Uttar Pradesh	Iso€	Dry	Dry	Iso	Iso
12	Uttarakhand●/*	Iso€	Iso	Iso	Iso	Sc
13	Haryana, Chandigarh & Delhi	Iso€	Dry	Dry	Iso	Iso
14	Punjab	Iso	Dry	Dry	Iso	Iso
15	Himachal Pradesh●/*	Iso	Iso	Iso	Iso	Iso
16	Jammu & Kashmir●/*	Sc	Iso	Iso	Iso	Iso
17	west Rajasthan	Dry	Dry	Dry	Dry	Dry
18	east Rajasthan	Iso	Iso	Iso	Iso	Iso
19	west Madhya Pradesh	Iso	Iso	Sc	Sc	Fw
20	east Madhya Pradesh	Iso	Sc	Fw	W€	W€
21	Gujarat Region	Iso	Iso	Sc	Sc	Sc€
22	Saurashtra / Kutch	Iso	Iso	Iso	Iso	Iso
23	Konkan & Goa	W€	W€	W€	W€	W€
24	Madhya Maharashtra	Fw€	Fw€	Fw	Fw	Fw
25	Marathwada	Fw€	Fw€	Fw	Fw	Fw
26	Vidarbha	W€	W€	W€	Fw€	Fw€
27	Chhattisgarh	Sc	Fw	Fw	W€	W€
28	coastal Andhra Pradesh	Sc€	Sc€	Sc	Fw	Fw€
29	Telangana	Fw€	Fw€	Sc	Sc	Fw€
30	Rayalaseema	Iso	Iso€	Iso	Sc	Sc
31	Tamil Nadu & Puducherry	Iso€	Iso€	Iso	Iso	Iso
32	coastal Karnataka	W€	W€	W€	W€	W€
33	north interior Karnataka	Fw	Fw	Fw	Fw	Fw
34	south interior Karnataka	Sc	Sc€	Fw€	Fw€	Fw€
35	Kerala	W€	W€	W€	W€	W
36	Lakshadweep	Fw	W	W	W	W

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

Warning (valid upto 0830 hrs IST of next day):**Day 1 (22 Jun.):** Heavy to very heavy rain at isolated places very likely over Konkan & Goa and Vidarbha.

Heavy rain at isolated places very likely over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Odisha, Madhya Maharashtra, Marathwada, Telangana, coastal Karnataka and Kerala.

Thunderstorm accompanied with gusty winds at isolated places very likely over Gangetic West Bengal, Odisha, Jharkhand, Bihar, west Uttar Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, coastal Andhra Pradesh, Telangana, Rayalaseema and Tamil Nadu.

Heat wave conditions very likely at a few places over east Uttar Pradesh and at one or two pockets over west Uttar Pradesh.

Day 2 (23 Jun.): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and Vidarbha.

Heavy rain at isolated places very likely over Arunachal Pradesh, Nagaland-Manipur-Mizoram-Tripura, Odisha, Madhya Maharashtra, Marathwada, Telangana, coastal & south interior Karnataka and Kerala.

Thunderstorm accompanied with gusty winds at isolated places very likely over coastal Andhra Pradesh, Telangana, Rayalaseema and Tamil Nadu.

Day 3 (24 Jun.): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim.

Heavy rain at isolated places very likely over Arunachal Pradesh, Nagaland-Manipur-Mizoram-Tripura, Odisha, Konkan & Goa, Vidarbha, coastal & south interior Karnataka and Kerala.

Day 4 (25 Jun.): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, coastal Karnataka and Kerala.

Heavy rain at isolated places likely over Arunachal Pradesh, Nagaland-Manipur-Mizoram-Tripura, Gangetic West Bengal, Odisha, Jharkhand, Bihar, east Madhya Pradesh, Vidarbha, Chhattisgarh and south interior Karnataka.

Day 5 (26 Jun.): Heavy to very heavy rain at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and coastal Karnataka.

Heavy rain at isolated places likely over Assam & Meghalaya, Gangetic West Bengal, Odisha, Jharkhand, Bihar, east Madhya Pradesh, Gujarat Region, Vidarbha, Chhattisgarh, coastal Andhra Pradesh, Telangana and south interior Karnataka.

Weather Outlook for the subsequent 2 days (27 & 28 June 2018) :

Widespread rainfall with isolated heavy falls very likely along the west coast, northeast and east India. Fairly widespread rainfall with isolated heavy falls likely over south and central India and Isolated to scattered rainfall likely over Northwest India.

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	33.6	+3.4	22.3	-0.6	25.0	87	+9	97	+29	64.7	135.2	+36.7
LHG	33.2	+2.2	22.3	+1.3	25.6	89	+11	99	+34	41.4	131.5	+79.3
PSN	32.4	-	20.9	-	24.2	93	-	97	-	60.6	150.5	-

Local (Pune and neighbourhood) forecast			
Date	Max. Temp. (°C)	Min. Temp. (°C)	Weather
22.06.2018	32	22.3*	Generally cloudy skies./ Rain / thundershowers very likely.
23.06.2018	33	23	Generally cloudy skies./ One or two spells of light rain.
24.06.2018	33	23	Generally cloudy skies./ One or two spells of light rain.
25.06.2018	33	23	Generally cloudy skies./ One or two spells of light rain.
26.06.2018	33	23	Generally cloudy skies./ One or two spells of light rain.
27.06.2018	33	23	Generally cloudy skies./ One or two spells of light rain.
28.06.2018	33	23	Generally cloudy skies./ One or two spells of light rain.

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