

Thursday, 22nd February 2018 (3rd Phalgun 1939 Saka)

Summary of observations recorded at 0830 hrs: The western disturbance as a trough in mid & upper tropospheric westerlies with its axis at 5.8 kms a. s. l. now runs roughly along Long. 78°E to the north of Lat 35°N and is moving away east northeastwards. A fresh western disturbance as an upper cyclonic circulation extending upto 3.1 kms a. s. l. lies over western parts of Iran and neighbourhood. System is likely to move east northeastwards. The cyclonic circulation over northeastern parts of Bangla Desh and neighbourhood now seen as a trough from eastern parts of Bihar to south Bangla Desh and extends upto 2.1 kms a. s. l. . The trough of low at mean sea level from Lakshadweep area to eastcentral Arabian Sea off south Maharashtra coast now runs from Lakshadweep area to south Gujarat coast. The trough of low at mean sea level over south Andaman Sea and neighbourhood now lies over south Andaman sea and adjoining southeast Bay of Bengal. A trough in easterlies at 0.9 km a. s. l. runs from Lakshadweep area to north Madhya Maharashtra across coastal Karnataka and south Konkan. The cyclonic circulation at 0.9 km a. s. l over Konkan and neighbourhood has merged with the above system. A cyclonic circulation extending upto 2.1 kms a. s. l. lies over southwest Bay of Bengal off south Tamil Nadu Sri Lanka coast.

Night temperatures were appreciably below normal in some parts of Odisha, Rayalaseema and of Tamil Nadu and were below normal in some parts of west Madhya Pradesh, Chhattisgarh and of coastal Andhra Pradesh and in remaining parts of Tamil Nadu. They were markedly above normal in some parts of Rajasthan and of Gujarat state; appreciably above normal in some parts of Arunachal Pradesh, Nagaland-Manipur-Mizoram-Tripura, West Bengal & Sikkim, west Uttar Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, Jammu & Kashmir, east Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Telangana and of north interior Karnataka and in remaining parts of west Madhya Pradesh and of Gujarat state and were above normal in some parts of Assam & Meghalaya, Bihar and of east Uttar Pradesh and in remaining parts of east Rajasthan. They were normal over the rest of the country. **The lowest minimum temperature recorded was 9.6°C at Mandla (east Madhya Pradesh).**

Dense to very dense fog (visibility ≤ 50m) observed at Hernai (Konkan & Goa) and Nanded (Marathwada). **Dense fog (visibility ≤ 200m) observed at Porbandar (Saurashtra & Kutch).** **Shallow to moderate fog (visibility ≤ 500m) observed at N. delhi (Haryana) and Ludhiana (Punjab) in the morning hours.**

Indian Regions	Realised rainfall & Chief amounts (in cms) during past 24 hrs
East	isolated places: Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim. dry weather: Assam & Meghalaya, Nagaland-Manipur-Mizoram-Tripura, Gangetic West Bengal, Odisha, Jharkhand, Bihar. Mangan 2.8, Daporijo 0.7, Yuksom ARG 0.3.
North	isolated places: Uttarakhand, Jammu & Kashmir. dry weather: Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Rajasthan. Joshimath 0.5, Pahalgam 0.3, Kupwara 0.2, Banihal 0.1.
Central Peninsula	dry weather
Islands	isolated places: Andaman & Nicobar. dry weather: Lakshadweep. Nancowry 3.4.

Meteorological Office, Pune

Issued at 1245 hrs. IST

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
	22 nd Feb.	23 rd Feb.	24 th Feb.	25 th Feb.	26 th Feb.
1) Andaman / Nicobar Islands	Iso/Sc	Iso/Sc	Iso/Sc	Iso/Sc	Iso
2) Arunachal Pradesh	Fw	Sc	Iso	Iso	Sc
3) Assam & Meghalaya	Iso	Iso	Dry	Dry	Iso
4) Nagaland-Manipur-Mizoram-Tripura	Iso	Dry	Dry	Dry	Dry
5) Sub-Himalayan West Bengal/Sikkim	Iso€	Iso	Iso	Iso	Iso
6) Gangetic West Bengal	Dry€	Dry	Dry	Dry	Dry
7) Odisha	Dry€	Dry	Dry	Dry	Dry
8) Jharkhand	Dry	Dry	Dry	Dry	Dry
9) Bihar	Dry	Dry	Dry	Dry	Dry
10) east Uttar Pradesh	Dry	Dry	Iso€	Dry	Dry
11) west Uttar Pradesh	Dry	Dry	Iso€	Dry	Dry
12) Uttarakhand ●/*	Dry	Iso	Fw€	Iso	Dry
13) Haryana, Chandigarh & Delhi	Dry	Dry	Iso€	Dry	Dry
14) Punjab	Dry	Iso	Sc€	Dry	Dry
15) Himachal Pradesh ●/*	Dry	Sc	W€	Iso	Dry
16) Jammu & Kashmir ●/*	Iso	Fw	W€	Iso	Sc
17) west Rajasthan	Dry	Iso	Iso€	Dry	Iso
18) east Rajasthan	Dry	Dry	Iso€	Dry	Iso
19) west Madhya Pradesh	Dry	Dry	Iso€	Iso	Dry
20) east Madhya Pradesh	Dry	Dry	Dry	Dry	Dry
21) Gujarat Region	Dry	Dry	Dry	Dry	Dry
22) Saurashtra / Kutch	Dry	Dry	Dry	Dry	Dry
23) Konkan & Goa	Dry	Dry	Dry	Dry	Dry
24) Madhya Maharashtra	Dry	Iso	Iso€	Iso	Dry
25) Marathwada	Dry	Dry	Iso€	Dry	Dry
26) Vidarbha	Dry	Dry	Iso€	Dry	Dry
27) Chhattisgarh	Dry	Dry	Dry	Dry	Dry
28) coastal Andhra Pradesh	Dry	Dry	Dry	Dry	Dry
29) Telangana	Dry	Dry	Dry	Dry	Dry
30) Rayalaseema	Dry	Dry	Dry	Dry	Dry
31) Tamil Nadu & Puducherry	Dry	Dry	Iso	Iso	Iso€
32) coastal Karnataka	Dry	Dry	Dry	Dry	Dry
33) north interior Karnataka	Dry	Dry	Dry	Dry	Dry
34) south interior Karnataka	Dry	Dry	Dry	Dry	Dry
35) Kerala	Dry	Dry	Dry	Iso	Iso
36) Lakshadweep	Dry	Dry	Dry	Dry	Dry

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 (22nd Feb.):** Thunderstorm accompanied with Hailstorm likely at isolated places over Sikkim.

Shallow to moderate fog very likely at isolated places over coastal areas of Gangetic West Bengal and Odisha.

Day 2 (23rd Feb.): Nil.**Day 3 (24th Feb.):** Heavy rain / snow likely at isolated places over Himachal Pradesh and Jammu & Kashmir.

Thunderstorm accompanied with Hailstorm likely at isolated places over Uttar Pradesh, Uttarakhand, Haryana, Chandigarh, Punjab, Himachal Pradesh, Jammu division, north Rajasthan, west Madhya Pradesh, north Madhya Maharashtra, Marathwada and Vidarbha.

Day 4 (25th Feb.): Nil.**Day 5 (26th Feb.):** Thunderstorm accompanied with gusty winds likely at isolated places over Tamil Nadu.**Weather Outlook for the subsequent 2 days (27th & 28th Feb. 2018):**

Scattered to fairly widespread rainfall / snowfall likely over Western Himalayan region. Isolated to scattered rainfall activity likely over Arunachal Pradesh, parts of central India, south peninsula and Andaman & Nicobar Islands. Weather likely to be dry over remaining parts 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 Jan.	Dep. from normal
PNE	34.1	+ 1.8	14.5	+1.9	18.2	85	+ 18	24	- 1	0.0	0.0	- 1.4
LHG	34.9	+ 1.9	17.7	+2.7	23.3	51	- 2	19	- 1	0.0	0.0	- 0.1
PSN	34.7	-	15.3	-	18.2	74	-	29	-	0.0	0.0	-

Local (Pune and neighbourhood) forecast			
Date	Max. Temp. (°C)	Min. Temp. (°C)	Weather
22.02.2018	34	14.5*	Mainly clear skies.
23.02.2018	34	14	Mainly clear skies.
24.02.2018	33	14	Partly cloudy skies.
25.02.2018	33	14	Mainly clear skies.
26.02.2018	33	13	Mainly clear skies.
27.02.2018	33	13	Mainly clear skies.
28.02.2018	33	13	Mainly clear skies.

Legends: * = Realised minimum temperature.

Rainfall / Snowfall Intensity:

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

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