

Sunday, 22nd April 2018 (2nd Vaisakha 1940 Saka)

Summary of observations recorded at 0830 hrs: The western disturbance as an upper air cyclonic circulation over Jammu & Kashmir and neighbourhood now lies as a trough running roughly along Long. 80°E to the north of Lat. 25°N at 3.1 kms a.s.l. System is likely to move east-northeastwards. The cyclonic circulation extending upto 0.9 km a.s.l. over Sub-Himalayan West Bengal and neighbourhood persists. The north-south trough at 0.9 km a.s.l. from east Uttar Pradesh to eastern parts of Vidarbha now runs from the above cyclonic circulation over Sub-Himalayan West Bengal and neighbourhood to south Chhattisgarh across Gangetic West Bengal and Odisha. The north-south wind discontinuity now lies as a trough from north interior Karnataka to Lakshadweep upto 0.9 km a.s.l. The cyclonic circulation over west Uttar Pradesh and adjoining Haryana has become less marked. The east-west trough from Jharkhand to east Assam has also become less marked.

Day temperatures were above normal in some parts of Odisha, Jharkhand, east Madhya Pradesh, Gujarat Region, Maharashtra & Goa States, coastal Andhra Pradesh, Telangana, Rayalaseema, Tamil Nadu and of Karnataka State. They were markedly below normal in some parts of Nagaland-Manipur-Mizoram-Tripura and of Jammu & Kashmir; appreciably to markedly below normal in some parts of Punjab and of west Rajasthan; appreciably below normal in some parts of Assam & Meghalaya and of Sub-Himalayan West Bengal & Sikkim and in remaining parts of Nagaland-Manipur-Mizoram-Tripura and were below normal in some parts of Arunachal Pradesh, west Uttar Pradesh, Haryana, Himachal Pradesh, east Rajasthan and of west Madhya Pradesh and in remaining parts of Assam & Meghalaya, west Rajasthan, east Madhya Pradesh and of Gujarat Region. They were normal over the rest of the country. **The highest maximum temperature recorded over the plains was 44.2°C at Chandrapur (Vidarbha).**

Thunderstorms observed at a few places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal and Kerala and at isolated places over Sub-Himalayan West Bengal & Sikkim and South Interior Karnataka from 0830 hours IST of yesterday to 0830 hours IST of today.

Indian Regions	Realised rainfall & Chief amounts (in cms) during past 24 hrs
East	<p>most places: Arunachal Pradesh, Assam & Meghalaya; many places: Nagaland-Manipur-Mizoram-Tripura⁺; a few places: Sub-Himalayan West Bengal & Sikkim⁺, Gangetic West Bengal. dry weather: Odisha, Jharkhand, Bihar. <i>Belonia 10.7, Tadong 9.0, Gangtok 7.9, Agartala AP 7.6, Sohra 5.9, Gossaigaon 4.3, Koloriang 4.1, Barrackpur 4.0, Krishnanagar 3.5, Tawang AWS 1.4, Passighat 0.7.</i></p>
North	dry weather
Central	
Peninsula	<p>a few places: Kerala⁺; isolated places: coastal Andhra Pradesh, Telangana, Tamil Nadu, south interior Karnataka. dry weather: Gujarat State, Konkan & Goa, Madhya Maharashtra, Marathwada, Rayalaseema, coastal & north interior Karnataka. <i>Ponnani 8.3, Ottapalam 4.3, Kannur 3.7, Kochi AP 2.8, Bhagamandala 2.4, Periyapatna 2.0, Chintapalle 1.4, Jangamaheswarapuram & Rentachintala 1.2 each, Omalur 0.8, Naduvattam, Sathyamangalam & Yercaud 0.7 each, Gundala & Suryapet 0.3 each, Aswapuram & Kodaikanal 0.2 each, Madikeri 0.1.</i></p>
Islands	dry weather

Legends : + = heavy rain at isolated places.

Preliminary Earthquake Report: An earthquake shock of slight intensity at its origin with epicenter at Lat. 21.5° North and Long. 73.2° East, in the Districts of Surat-Bharuch Border (Gujarat) region, about 414 kms away from Pune, was recorded by the seismographs in the Meteorological Office Pune at 16 Hrs. 57 Min. 34 Secs. IST on 21-4-2018 having it's magnitude 3.5 on the Richter scale.

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

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 April.): Heavy rain very likely at isolated places over Tripura and Sub-Himalayan West Bengal & Sikkim.

Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Nagaland-Manipur-Mizoram-Tripura and West Bengal & Sikkim.

Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Bihar, Chhattisgarh, Telangana, interior Karnataka, Kerala and Lakshadweep.

Strong winds speed occasionally reaching 40-50 kmph with moderate to rough Sea conditions are very likely along and off the West Bengal- Odisha coasts. Fishermen are advised not to venture into the Sea along & off these coasts.

Based on the forecast generated by INCOIS, moderate to rough Sea conditions are very likely to prevail along and off the West coast of Andaman –Nicobar Islands. Fishermen are advised to be cautious while venturing into the Sea along & off these areas.

Day 2 (23rd Apr.): Thunderstorm accompanied with squall very likely at isolated places over Nagaland-Manipur-Mizoram-Tripura.

Thunderstorm accompanied with gusty winds very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Chhattisgarh, Telangana, interior Karnataka, Kerala and Lakshadweep.

Heat Wave conditions very likely to prevail in one or two pockets over Vidarbha.

Based on the forecast generated by INCOIS, rough to very rough Sea conditions are very likely to prevail along and off the West coast of Andaman–Nicobar Islands. Fishermen are advised not to venture into the Sea along & off these coasts.

Day 3 (24th Apr.): Heat Wave conditions very likely to prevail in one or two pockets over Vidarbha.

Day 4 (25th Apr.): Heat Wave conditions very likely to prevail in one or two pockets over Vidarbha.

Day 5 (26th Apr.): Heat Wave conditions very likely to prevail in one or two pockets over Vidarbha.

Weather Outlook for the subsequent 2 days (27th & 28th Apr. 2018):

Under the influence of western Disturbance scattered precipitation is likely to occurrence over Western Himalayan region. Fairly widespread to widespread rain/thundershowers likely over northeast India. Isolated to Scattered rain/thundershowers likely over south peninsular India. Dry weather likely over remaining parts of the country. Maximum temperatures are likely to rise by 2-3°C over Northwest and Central India, thereby leading to development of heat wave conditions over parts of Rajasthan around 27th April.

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 Mar.	Dep. from normal
PNE	38.5	+0.5	20.0	-0.5	28.5	30	-18	24	-3	0	6.0	-4.1
LHG	39.9	+1.9	22.1	+1.1	30.3	28	-19	23	-1	0	12.8	+0.6
PSN	38.8	-	19.3	-	26.6	40	-	31	-	0	8.9	-

Local (Pune and neighbourhood) forecast			
Date	Max. Temp. (°C)	Min. Temp. (°C)	Weather
22.04.2018	38	20.0*	Mainly clear skies.
23.04.2018	39	19	Mainly clear skies.
24.04.2018	39	20	Mainly clear skies.
25.04.2018	38	20	Mainly clear skies.
26.04.2018	38	19	Mainly clear skies.
27.04.2018	38	19	Mainly clear skies.
28.04.2018	38	19	Mainly clear skies.

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