



Tuesday 05 August 2014

ALL INDIA WEATHER BULLETIN (Evening)

Monsoon Watch

◆ The southwest monsoon has been vigorous over Odisha & Chhattisgarh and active over Gangetic West Bengal, West Uttar Pradesh, Uttarakhand, east Rajasthan, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, coastal & south interior Karnataka, Kerala and east Madhya Pradesh.

Main Weather Observations

◆ **Rainfall:** (From 0830 of yesterday to 0830 hours IST of today): Rain/thundershowers occurred at most places over West Bengal & Sikkim, Odisha, Jharkhand, Chhattisgarh, Madhya Pradesh, West Coast, Uttarakhand; at many places over Himachal Pradesh, East Rajasthan, rest Maharashtra, north Interior Karnataka, north Andhra Pradesh; at a few places over northeastern states, Haryana, Punjab, Gujarat Region, Bihar, Andaman & Nicobar Islands; at isolated places over West Rajasthan and Rayalaseema. Weather remained mainly dry/dry over rest parts of the country. The amounts of rainfall (5 cm or more) recorded at 0830 IST of today are: Mahabaleshwar-31; Sambalpur-27; Hirakud-25; Sidhi-18; Tikamgarh and Sundargarh-16 each; Keongjargarh and Jhalawar-15 each; Agumbe-13; Jharsuguda-11; Guna-10; Honavar-9; Harnai, Valprai, Phulbani, Sheopur and Gondia-8 each; Una, Alibagh, Titlagarh, Sawai Madhopur and Pachmarhi-7 each; Dehradun, Angul, Rewa and Pendra-6 each; Jammu & Kashmir, Tehri, Karwar, Madikeri, Kalimpong, Darjeeling, Haldia, Koraput, Khajuraho, Malanjhand and Indore-5 each.

◆ **Temperature:** Minimum temperatures are above normal by 2-3°C at isolated places over West Rajasthan, south Coastal Andhra Pradesh and Tamilnadu. They are below normal by 2-4 °C at isolated places over Himachal Pradesh, Uttar Pradesh, Odisha & Vidarbha and near normal over rest parts of the country.

◆ **Kalpana-1:** Cloud imagery of 1430 hours IST shows convective clouds over most places of Rajasthan, east Madhya Pradesh, Chhattisgarh, Vidarbha, Marathwada, Telangana; at a few places of Himachal Pradesh, Uttar Pradesh, south Haryana, eastern & northeastern states, north coastal Andhra Pradesh, coastal & north interior Karnataka, Kerala, north, eastcentral & southeast Bay of Bengal, Andaman sea and east & southwest Arabian sea. Low/medium clouds are seen over rest parts of the country.

Meteorological Analysis (based on 1430 hours IST)

◆ The Deep Depression over north Chhattisgarh and adjoining Jharkhand & Odisha moved west-northwestwards during past 06 hours, weakened into a depression and lay centered at 1430 hours IST of today the 05th August 2014, over north Chhattisgarh and adjoining east Madhya Pradesh, about 150 km east of Umaria. The system would move in west-northwesterly direction during next 24 hours and weaken gradually further.

◆ The axis of monsoon trough at mean sea level passes through Ferozepur, Delhi, Gwalior centre of depression, Balasore and thence southeastwards to north Andaman sea. It also extends upto 2.1 km above mean sea level.

◆ The off-shore trough at mean sea level from Gujarat coast to Lakshadweep persists.

◆ The trough in mid-level westerlies along Long. 77.0°E to the north of 30.0°N persists. It would move east-northeastwards during next 24 hours.

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Weather Forecast for next 3 days * 0830 hours IST of 08th August 2014

◆ Meteorological Sub-division wise detailed 3 day rainfall forecast is given in the following page.

Weather Warning during next 3 days *

05 August (Day 1): ◆ Heavy to very heavy rainfall would occur at a few places with extremely heavy falls at isolated places over Madhya Pradesh and Chhattisgarh. Heavy to very heavy rainfall would occur at a few places over Vidarbha and at isolated places over Odisha, Jharkhand, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala.

◆ Heavy rainfall would occur at isolated places over South Uttar Pradesh, East Rajasthan, Assam & Meghalaya, Andaman & Nicobar Islands and Madhya Maharashtra.

06 August (Day 2): ◆ Heavy to very heavy rainfall would occur at a few places with extremely heavy falls at isolated places over West Madhya Pradesh. Heavy to very heavy rainfall would occur at a few places over East Rajasthan and at isolated places over East Madhya Pradesh, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala.

◆ Heavy rainfall would occur at isolated places over south Uttar Pradesh, Madhya Maharashtra, Andaman & Nicobar Islands, Assam & Meghalaya, Gujarat region and Saurashtra.

07 August (Day 3): ◆ Heavy to very heavy rainfall would occur at isolated places over East Rajasthan and Konkan & Goa.

◆ Heavy rainfall would occur at isolated places over Uttrakhand, Himachal Pradesh, Gujarat Region, Saurashtra, Madhya Maharashtra, West Madhya Pradesh, Coastal Karnataka, South Interior Karnataka, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya.

Weather Outlook for subsequent 4 days from 08th August 2014 to 12th August 2014

◆ Rain/thundershowers would occur at most places along west coast and at many places over northeastern states.

◆ Rain/thundershowers would occur at a few places over central and east India.

◆ Isolated to scattered rainfall activity would occur over interior peninsular India and plains of northwest India.

◆ Increase in rainfall activity along foothills of Himalaya.

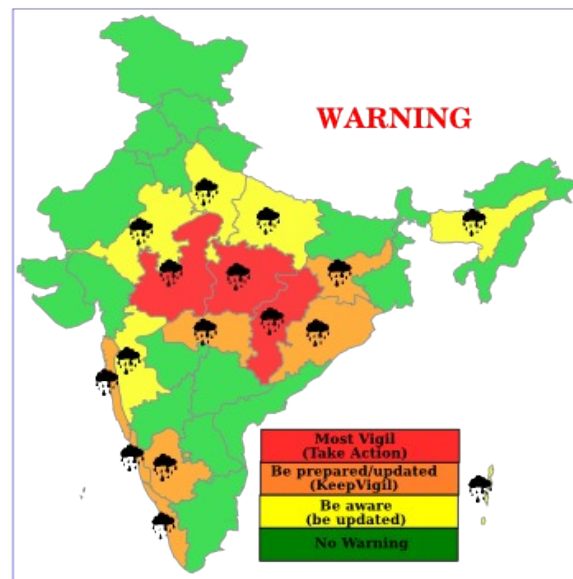
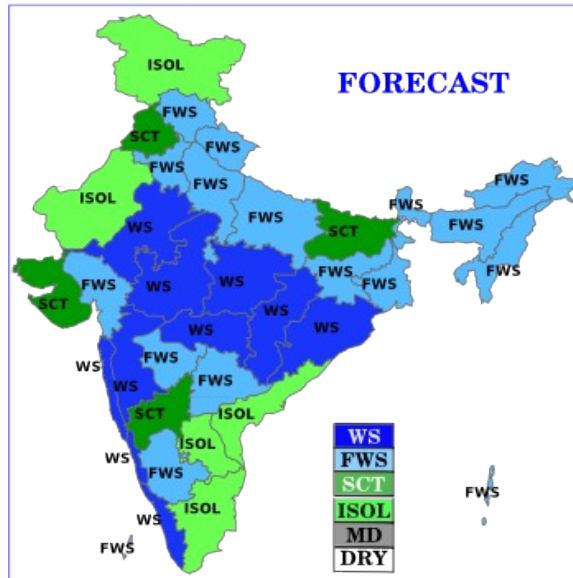


3 Day Rainfall Forecast (EVENING) Date 05-08-2014

S.No	MET. SUB-DIVISION	Forecast		
		05.08.2014	06.08.2014	07.08.2014
1	A & N Islands	FWS	WS	WS
2	Arunachal Pradesh	FWS	FWS	FWS
3	Assam & Meghalaya	FWS	FWS	FWS
4	Nag, Mani, Mizo & Tripura	FWS	FWS	FWS
5	SHWB & Sikkim	FWS	FWS	FWS
6	Gangetic West Bengal	FWS	SCT	SCT
7	Odisha	WS	SCT	SCT
8	Jharkhand	FWS	SCT	SCT
9	Bihar	SCT	SCT	FWS
10	East Uttar Pradesh	FWS	FWS	SCT
11	West Uttar Pradesh	FWS	FWS	SCT
12	Uttarakhand	FWS	FWS	FWS
13	Haryana, Chd & Delhi	FWS	FWS	SCT
14	Punjab	SCT	SCT	SCT
15	Himachal Pradesh	FWS	FWS	FWS
16	Jammu & Kashmir	ISOL	ISOL	ISOL
17	West Rajasthan	ISOL	FWS	FWS
18	East Rajasthan	WS	WS	WS
19	West Madhya Pradesh	WS	WS	FWS
20	East Madhya Pradesh	WS	FWS	SCT
21	Gujarat Region	FWS	FWS	FWS
22	Saurashtra, Kutch & Diu	SCT	FWS	FWS
23	Konkan & Goa	WS	WS	WS
24	Madhya Maharashtra	WS	WS	WS
25	Marathwada	FWS	FWS	SCT
26	Vidarbha	WS	FWS	SCT
27	Chhattisgarh	WS	SCT	SCT
28	Coastal Andhra Pradesh	ISOL	ISOL	ISOL
29	Telangana	FWS	ISOL	ISOL
30	Rayalaseema	ISOL	ISOL	ISOL
31	Tamilnadu & Pudd.	ISOL	ISOL	ISOL
32	Coastal Karnataka	WS	WS	WS
33	N I Karnataka	SCT	SCT	ISOL
34	S I Karnataka	FWS	FWS	FWS
35	Kerala	WS	WS	FWS
36	Lakshadweep	FWS	FWS	FWS

% of Stations reporting Rainfall			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
	Very Light Rain		Mainly Dry
			No Rain
			Dry

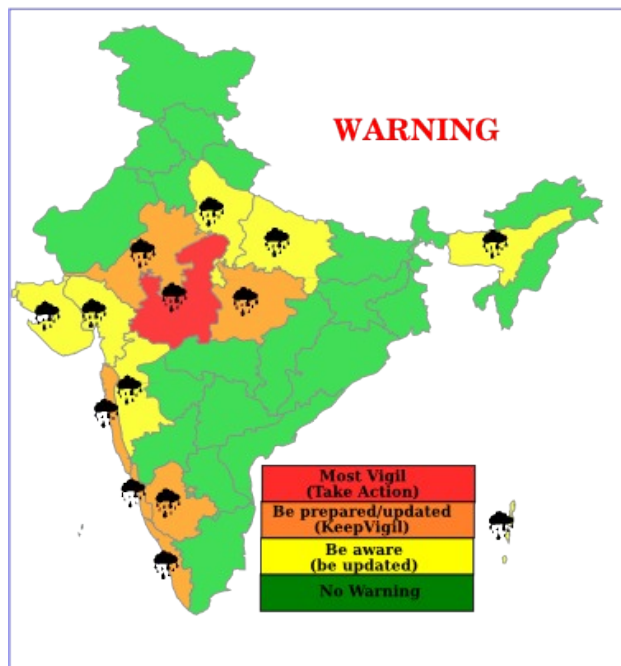
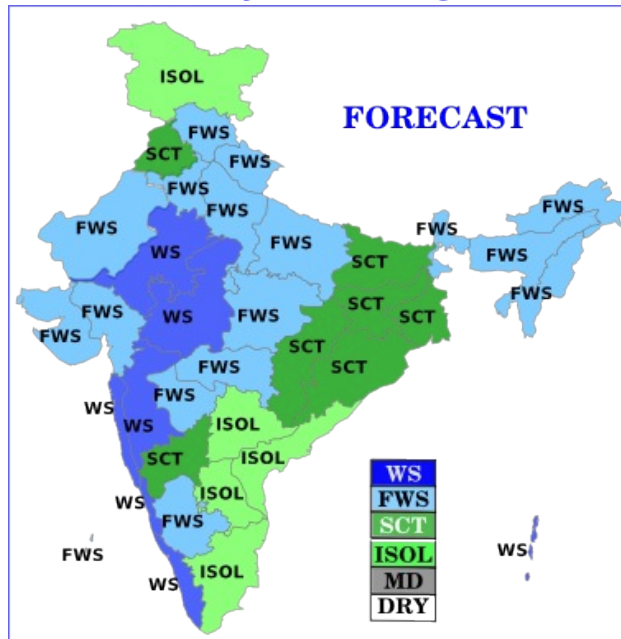
Tuesday 05 August 2014



05 August (Day 1): ♦ Heavy to very heavy rainfall would occur at a few places with extremely heavy falls at isolated places over Madhya Pradesh and Chhattisgarh. Heavy to very heavy rainfall would occur at a few places over Vidarbha and at isolated places over Odisha, Jharkhand, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala.

♦ Heavy rainfall would occur at isolated places over South Uttar Pradesh, East Rajasthan, Assam & Meghalaya, Andaman & Nicobar Islands and Madhya Maharashtra.

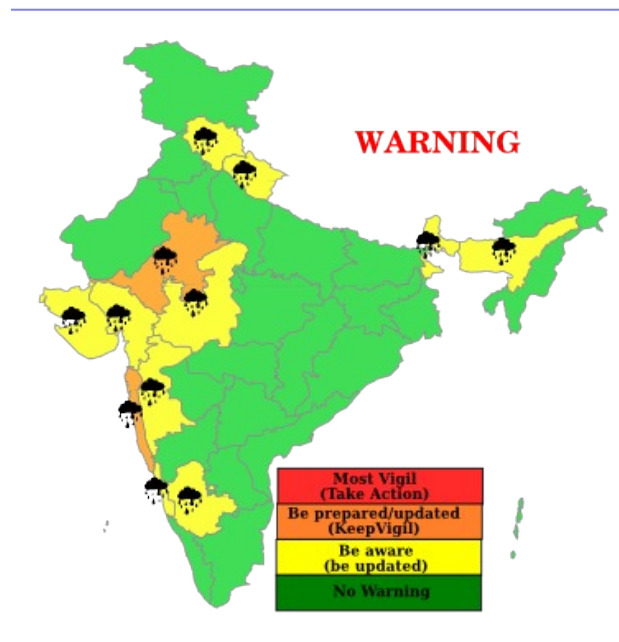
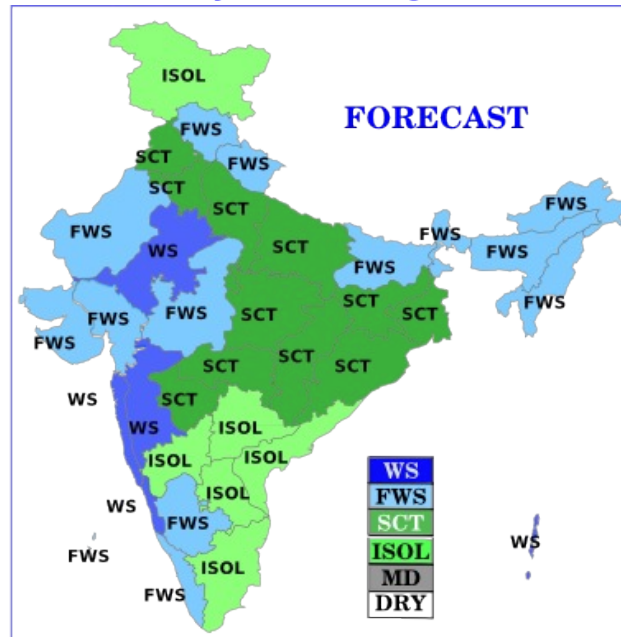
Wednesday 06 August 2014



06 August (Day 2): ♦ Heavy to very heavy rainfall would occur at a few places with extremely heavy falls at isolated places over West Madhya Pradesh. Heavy to very heavy rainfall would occur at a few places over East Rajasthan and at isolated places over East Madhya Pradesh, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala.

♦ Heavy rainfall would occur at isolated places over south Uttar Pradesh, Madhya Maharashtra, Andaman & Nicobar Islands, Assam & Meghalaya, Gujarat region and Saurashtra.

Thursday 07 August 2014



07 August (Day 3): ♦ Heavy to very heavy rainfall would occur at isolated places over East Rajasthan and Konkan & Goa.

♦ Heavy rainfall would occur at isolated places over Uttarakhand, Himachal Pradesh, Gujarat Region, Saurashtra, Madhya Maharashtra, West Madhya Pradesh, Coastal Karnataka, South Interior Karnataka, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya.

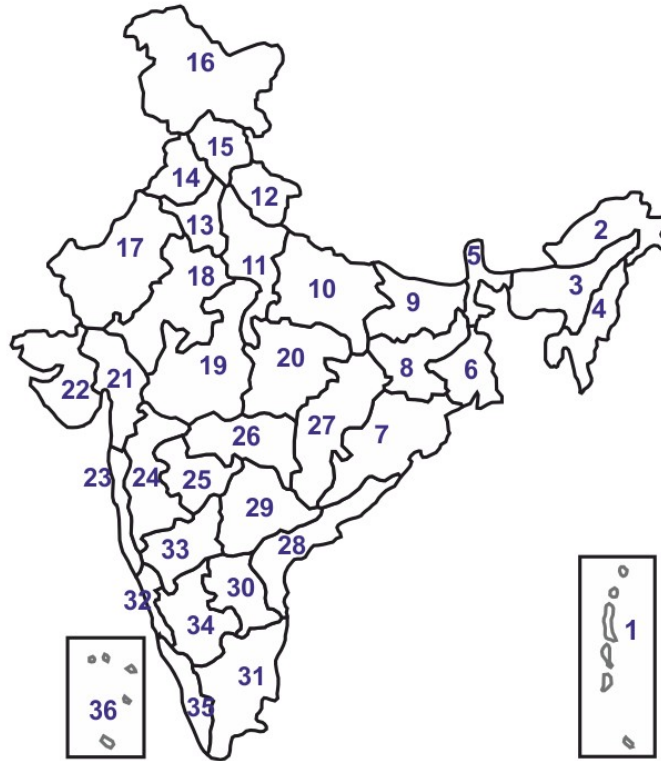
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LEGENDS

1. अंडमान और निकोबार द्वीप समुह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड मनीपुर मीजोरम और त्रिपुरा
5. उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
6. पश्चिम गांगेय बंगाल
7. ओडिसा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा चंडिगढ़ एंवम् दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू एंवम् कश्मीर
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात क्षेत्र
22. सौराष्ट्र एंवम् कच्छ
23. कोंकण एंवम् गोवा
24. मध्य महाराष्ट्र
25. मराठावाडा
26. विदर्भ
27. छत्तीसगढ़
28. तटिय आंध्र प्रदेश
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडू
32. तटिय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh
29. Telangana
30. Rayalaseema
31. Tamilnadu & Pondi
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

WARNING

Most Vigil (Take Action)	Be prepared/updated (Keep Vigil)
Be aware (Be updated)	No Warning



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave

















Sea State

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WARNING CATEGORY

 Rain	<p>Heavy: 64.4 to 124.4 mm</p> <p>Very Heavy: 124.5 to 244.4 mm</p> <p>Extremely Heavy: more than 244.4 mm</p>
 Snow	<p>Heavy: 35.6 to 64.4 mm</p> <p>Very Heavy: 64.5 to 124.4 mm</p> <p>Extremely Heavy: more than 124.4 mm</p>
 Heat Wave	<p>a). When normal maximum temperature of a station is less than or equal to 40° C</p> <p>Heat Wave: Departure from normal 5° C to 6° C.</p> <p>Severe Heat Wave: Departure from normal 7° C or more</p> <p>b). When normal maximum temperature of a station is more than 40° C</p> <p>Heat Wave: Departure from normal 4° C to 5° C.</p> <p>Severe Heat Wave: Departure from normal 6° C or more</p> <p>c). When actual maximum temperature remains 45°C or more</p>
 Hot Day	<p>Plains: The maximum temperature remains 40°C or more and minimum temperature departure from normal 5° C or more.</p> <p>Coastal: When maximum temperature departure is 5° C or more from normal.</p>
 Cold Wave	<p>a) When normal minimum temperature is equal to 10°C or more.</p> <p>Cold Wave: Departure from normal -5° C to -6° C.</p> <p>Severe Cold Wave: Departure from normal -7° C or less</p> <p>b) When normal minimum temperature is less than 10°C</p> <p>Cold Wave: Departure from normal is -4° C to -5° C.</p> <p>Severe Cold Wave: Departure from normal is -6° C or more</p>
 Cold Day	<p>Plains: The maximum temperature remains 16°C or less.</p> <p>Coastal: When maximum temperature departure is -5° C or more from normal.</p>
 Fog	<p>Phenomenon of small droplets suspended in air and the horizontal visibility is one kilometer or less</p> <p>Moderate: When the visibility between 500-200 metres</p> <p>Dense: when the visibility less than 200 metres</p> <p>Very Dense: when the visibility less than 50 metres</p>
 Thunderstorm	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p> <p>Moderate: Wind gusts are between 31-74 kmph.</p> <p>Severe: Wind gusts reach more than 75 kmph.</p>
 Dust/Sand storm	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p> <p>Moderate: Wind speed 42-79 kmph and visibility 200 – 500 m</p> <p>Severe: Wind speed ≥ 80 kmph and visibility < 200 meter.</p>
 Hailstorm	<p>Solid precipitation in the form of balls or pieces of ice.</p>
 Frost	<p>Ice deposits on ground</p> <p>Air temperature ≤4°C</p>
 Squall	<p>Sharp increase in wind speed last atleast for 1 minutes</p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-87 kmph</p> <p>Very Severe: Wind speed >87 kmph</p>
 Sea State	<p>Effect of various waves in the sea over specific area</p> <p>Rough to very rough: Wave height 2.5-6 metre & Wind speed 41-62 kmph</p> <p>High to very high: Wave height 6-14 metre & Wind speed 62-117 kmph</p> <p>Phenomenal: Wave height >14 metre & Wind speed >117 kmph</p>
 Cyclone	<p>Cyclonic Storm: Wind speed 32-90 kmph</p> <p>Severe Cyclonic Storm: Wind speed 90-220 kmph</p> <p>Very Severe Cyclonic Storm: Wind speed 90-220 kmph</p> <p>Super Cyclone: Pressure Deficient >65.6 hPa & associated Wind speed >220</p>

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