



2025-09-29

Time of Issue: 08:46:00 hours IST

(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather forecast and warnings:

West India:

Light to moderate rain/thunderstormat most/many places with heavy rainfall likely over Konkan & Goa, Madhya Maharashtra during next 7 days; Gujarat State during 29th September-01st October with very heavy rainfall at some places over Konkan, Madhya Maharashtra, Gujarat Region on 29th; Saurashtra & Kutch on 29th -30th September with isolated Extremely heavy rainfall over Saurashtra & Kutch on 29th September.

East & Central India:

- Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** likely over Andaman & Nicobar Islands on 29th & 30th September; Sub-Himalayan West Bengal & Sikkim during 02nd -04th October; Gangetic West Bengal on 02nd & 03rd October; Bihar during 01st -04th October; Jharkhand on 02nd October; Odisha during 01st -03rd October; West Madhya Pradesh September, 03rd & 04th October; East Madhya Pradesh on 03rd & 04th October; Vidarbha during 02nd -04th October; Chhattisgarh during 29th September-04th October with **isolated very heavy rainfall over Gangetic West Bengal on 02nd October; Sub-Himalayan West Bengal & Sikkim on 03rd October; Bihar on 03rd & 04th October.**
- Thunderstorm & gusty winds (speed reaching 40-50 kmph) very likely over Andaman & Nicobar Islands during next 5 days.
- Thunderstorm & gusty winds (speed reaching 30-40 kmph) very likely over Sub-Himalayan West Bengal & Sikkim, Bihar during next 7 days; Gangetic West Bengal, Jharkhand, Odisha during next 5 days; Andaman & Nicobar Islands on 03rd October.

Northeast India:

Light/moderate rain/thunderstorm at many/some places with isolated heavy rainfall likely over Assam & Meghalaya during 30th September-04th October; Nagaland, Manipur, Mizoram & Tripura during 29th September-03rd October; Arunachal Pradesh during 01st-04th October with very heavy rainfall over Nagaland, Manipur, Mizoram & Tripura on 02nd October; Arunachal Pradesh, Assam & Meghalaya on 03rd & 04th October.

South Peninsular India:

- Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Coastal Andhra Pradesh & Yanam on 29th September; Coastal & North Interior Karnataka on 04th October; Coastal Andhra Pradesh & Yanam on 02nd & 03rd October; Telangana on 03rd & 04th October.
- Strong surface winds (speed reaching 40-50 kmph) very likely over Coastal Andhra Pradesh & Yanam, Rayalaseema on 29th September.
- Strong surface winds (speed reaching 30-40 kmph) very likely over Coastal Andhra Pradesh & Yanam, Rayalaseema on 30th September; Telangana during 29th September-02nd October.

Northwest India:

 Thunderstorm with lightning very likely over West Rajasthan on 29th & 30th September and East Rajasthan during next 5 days.



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Main Weather Observations:

- * Rainfall distribution (from 0830 hours IST of yesterday to 0530 hours IST of today): at most places over Konkan & Goa , Jharkhand, Madhya Maharashtra , Andaman & Nicobar Islands, Marathawada, Vidarbha, West Madhya Pradesh, Coastal Karnataka, Kerala & Mahe and Gujarat Region; at many places over East Rajasthan, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Assam & Meghalaya, Saurashtra & Kutch, Telangana, Coastal Andhra Pradesh & Yanam, Chhattisgarh, East Madhya Pradesh, Rayalaseema, Tamilnadu Puducherry & Karaikal, South Interior Karnataka and Lakshadweep; Dry over rest of the country.
- ♦ Significant rainfall recorded(in cm) (from 0830 hours IST of yesterday to 0530 hours IST of today): Konkan & goa : Mumbai (colaba) (dist) 10, Mumbai (santacruz) AP (dist) 7; Saurashtra & kutch: Veraval (dist Gir Somnath) 9, Rajkot AP (dist Rajkot) 4; Madhya maharashtra : Nashik (dist Nashik) 5.
- ♦ Heavy Rainfall observed (from 0830 hours IST of yesterday to 0530 hours IST of today):Heavy rain at a few places over Konkan & Goa , at isolated places over Saurashtra & Kutch
- ♦ Minimum Temperature Departures (as on 28-09-2025): markedly above normal(> 5.1°C) at most places over Himachal Pradesh; at few places over West Madhya Pradesh; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, East Madhya Pradesh, Gujarat Region and Saurashtra & Kutch. appreciably above normal(3.1°C to 5.0°C) at many places over West Rajasthan; at most places over Punjab; at few places over Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and East Rajasthan; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal and Odisha. above normal(1.6°C to 3.0°C) at isolated places over Jharkhand, Madhya Maharashtra, Vidarbha, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. near normal(-1.5°C to 1.5°C) at many places over Konkan & Goa, Rayalaseema and North Interior Karnataka; at most places over Arunachal Pradesh, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep. The lowest minimum temperature of 18.5°C is reported at JEUR (MAHARASHTRA) over the Plains of India.
- ♦ Maximum Temperature Departures (as on 28-09-2025): markedly above normal(> 5.1°C) at few places over Himachal Pradesh; at isolated places over Assam & Meghalaya, Punjab and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad. appreciably above normal(3.1°C to 5.0°C) at few places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim and Haryana-Chandigarh-Delhi; at isolated places over Gangetic West Bengal, Bihar and Uttarakhand. above normal(1.6°C to 3.0°C) at many places over West Uttar Pradesh; at few places over Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, West Rajasthan, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal; at isolated places over Odisha, East Rajasthan, Gujarat Region, Chhattisgarh and Coastal Andhra Pradesh & Yanam. near normal(-1.5°C to 1.5°C) at many places over Kerala & Mahe; at most places over Lakshadweep; at few places over Andaman & Nicobar Islands, Jharkhand, East Madhya Pradesh, Rayalaseema and South Interior Karnataka; at isolated places over West Madhya Pradesh and Vidarbha. The highest maximum temperature of 39.8°C is reported at JAISALMER (RAJASTHAN).



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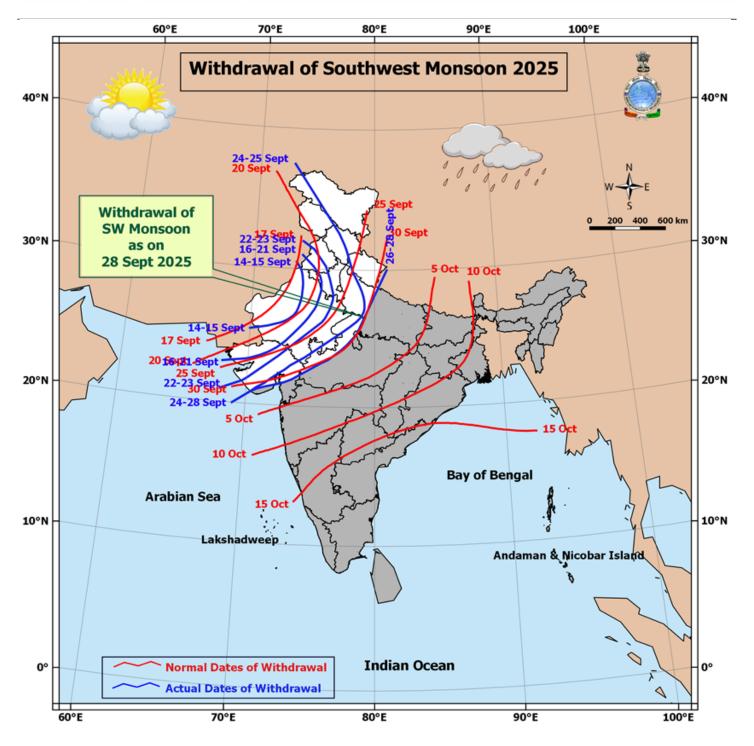
Meteorological Analysis (Based on 0530 hours IST)

- The **line of withdrawal of southwest monsoon** continues to pass through 20°N/ 69°E, Veraval, Bharuch, Ujjain, Jhansi, Shahjahanpur and 30°N/81°E.
- · Conditions are not favourable for further withdrawal of southwest monsoon during next 7 days.
- The **well-marked low-pressure** area over north Madhya Maharashtra & neighbourhood moved west-northwestwards lay over Gulf of Cambay and neighbourhood at 0530 hours IST of today, the 29th September 2025 and the associated **cyclonic circulation** extended upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to continue to move west-northwestwards across Saurashtra and emerge into northeast Arabian sea around 1st October, 2025.
- The **trough** now runs from the **well-marked low pressure area** over Gulf of Cambay and neighbourhood to west central Bay of Bengal across south Gujarat, Vidarbha, south Chhattisgarh, south Odisha, north Coastal Andhra Pradesh at 0.9 km above mean sea level.
- An upper air **cyclonic circulation** liesover north coastal Andhra Pradesh and neighbourhood between 1.5 & 5.8 km above mean sea level tilting southward with height.
- The upper air **cyclonic circulation** over Punjab and neighbourhood now lies over north Haryana and neighbourhood at 3.1 km above mean sea level.
- An upper air cyclonic circulation is likely to emerge into north Andaman Sea on 30th September. Under its influence, a low-pressure area is likely to form over north & adjoining central Bay of Bengal around 01st October 2025.

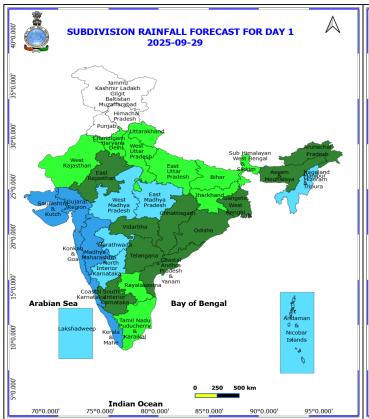
Weather Outlook for subsequent 3 days

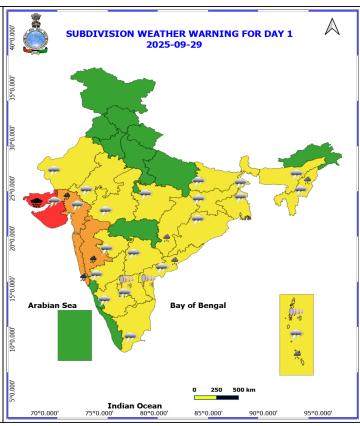
isolated to scattered rainfall activity likley over many parts of the country except Gengatic Plains, East Rajasthan, Madhya Pradesh, West & Central India where fairywidespread rainfall activity is likely.











29 September (Day 1)

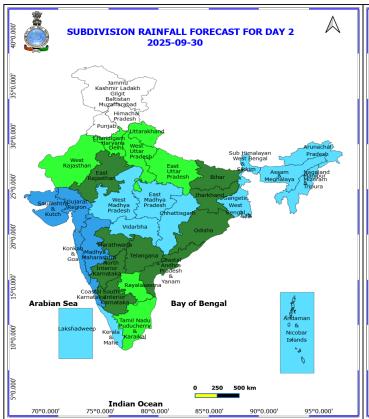
- ♦ Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall very likely at isolated places over Saurashtra & Kutch.
- ♦ Heavy to Very Heavy Rainfall very likely at isolated places over Gujarat Region, Konkan & Goa and Madhya Maharashtra.
- ♦ Heavy Rainfall very likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, Coastal Andhra Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ♦ Thunderstorm accompanied with lightning & gusty winds(40-50kmph) very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh and Gujarat State.
- ❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) very likely at isolated places over Bihar, Jharkhand, Madhya Pradesh, Odisha, Telangana and West Bengal & Sikkim.
- ♦ Thunderstorm accompanied with Lightning very likely at isolated places over Assam & Meghalaya, Gangetic West Bengal, Interior Karnataka, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal and Telangana.
- **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands and Andhra Pradesh.
 - Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over some parts
 of southwest adjoining westcentral Arabian Sea, along and off Somalia coast.
 - Squally weather with wind speed reaching 40 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat coasts & adjoining sea areas, Konkan and adjoining some parts of northeast and eastcentral Arabian sea, Goa-Karnataka-Kerala coasts, Lakshadweep area, over Gulf of Mannar & adjoining Comorin area, over

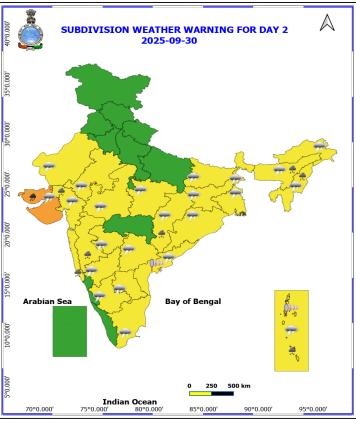


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most parts of south Bay, central Bay of Bengal, along and off Sri Lanka coast, Andhra Pradesh, off north Tamil Nadu coasts, over Andaman Sea.



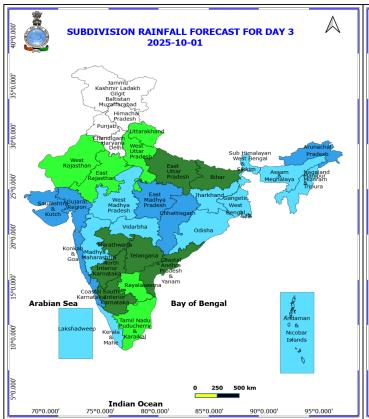


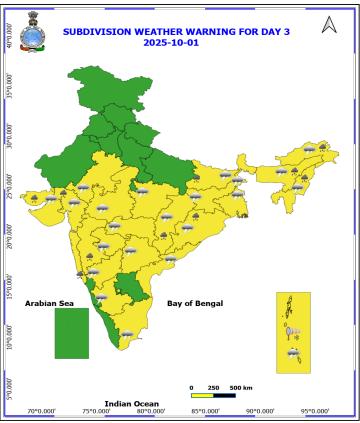


30 September (Day 2)

- Heavy to Very Heavy Rainfall very likely at isolated places over Saurashtra & Kutch.
- ♦ Heavy Rainfall very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra and Nagaland, Manipur, Mizoram and Tripura.
- ❖ Thunderstorm accompanied with lightning & gusty winds(40-50kmph) very likely at isolated places over Andaman & Nicobar Islands and Gujarat State.
- ♦ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) very likely at isolated places over Andhra Pradesh, Bihar, Jharkhand, Madhya Pradesh, Odisha, Telangana and West Bengal & Sikkim.
- ♦ Thunderstorm accompanied with Lightning very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gangetic West Bengal, Interior Karnataka, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal and Telangana.
- * Strong Surface Winds very likely at isolated places over Andaman & Nicobar Islands and Coastal Andhra Pradesh.
 - Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over some parts
 of southwest adjoining westcentral Arabian Sea, along and off Somalia coast.
 - Squally weather with wind speed reaching 40 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat, Konkan coast, over Gulf of Mannar & adjoining Comorin area, over most parts of south Bay, central Bay of Bengal, along and off Sri Lanka coast, Andhra Pradesh, Tamil Nadu coasts, over Andaman Sea
 - Squally weather with wind speed reaching 45 55 kmph gusting to 65 kmph likely to prevail along and off south Gujarat and adjoining sea areas, north Konkan and adjoining some parts of northeast and eastcentral Arabian sea, many parts of south and central Bay of Bengal.



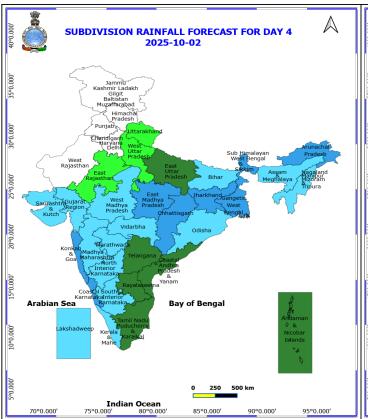


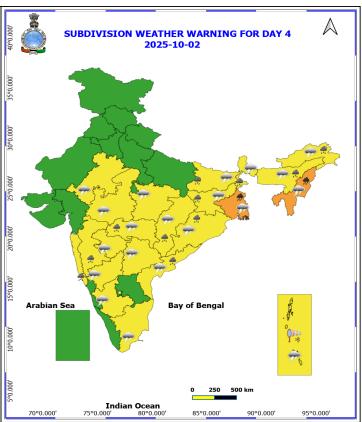


1 October (Day 3)

- **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Gujarat State, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Odisha.
- ♦ Thunderstorm accompanied with lightning & gusty winds(40-50kmph) very likely at isolated places over Andaman & Nicobar Islands and Gujarat State.
- ❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) very likely at isolated places over Bihar, Jharkhand, Odisha, Telangana and West Bengal & Sikkim.
- ♦ Thunderstorm accompanied with Lightning very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Gangetic West Bengal, Interior Karnataka, Madhya Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal, Telangana and Vidarbha.
- Strong Surface Winds very likely at isolated places over Andaman & Nicobar Islands.
 - Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over some parts
 of southwest adjoining westcentral Arabian Sea, along and off Somalia coast.
 - Squally weather with wind speed reaching 40 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat, Konkan coast, many parts of northeast & eastcentral Arabian Sea, over Gulf of Mannar & adjoining Comorin area, over most parts of south Bay, central & north Bay of Bengal, along and off Sri Lanka coast, Andhra Pradesh, off Tamil Nadu, Odisha, West Bengal, coasts, over Andaman Sea.
 - Squally weather with wind speed reaching 45 55 kmph gusting to 65 kmph likely to prevail over many parts
 of central and north Bay of Bengal.







2 October (Day 4)

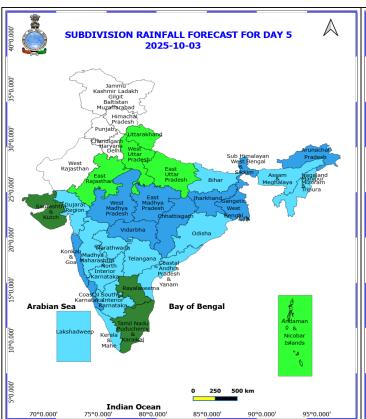
- ♦ Heavy to Very Heavy Rainfall likely at isolated places over Gangetic West Bengal and Nagaland, Manipur, Mizoram and Tripura.
- ♦ Heavy Rainfall likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Jharkhand, Konkan & Goa, Madhya Maharashtra, Odisha, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- **♦ Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands and Gangetic West Bengal.
- ❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) likely at isolated places over Bihar, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and Telangana.
- ♦ Thunderstorm accompanied with Lightning likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Interior Karnataka, Madhya Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- Strong Surface Winds likely at isolated places over Andaman & Nicobar Islands.
 - Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over some parts
 of southwest Arabian Sea, along and off Somalia coast.
 - Squally weather with wind speed reaching 40 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat, some parts of northeast adjoining eastcentral Arabian Sea, over Gulf of Mannar & adjoining Comorin area, over south, central & north Bay of Bengal, along and off Sri Lanka coast, Andhra Pradesh, off Tamil Nadu, Odisha, West Bengal, Odisha coasts, Bangladesh, Myanmar coasts over Andaman Sea.
 - Squally weather with wind speed reaching 45 55 kmph gusting to 65 kmph likely to prevail over many parts

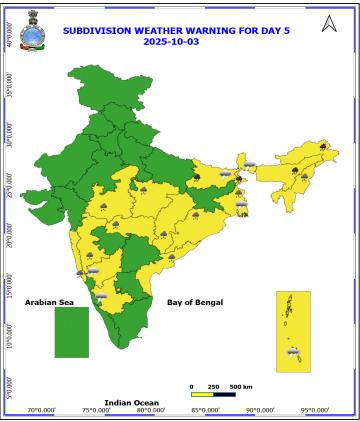


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of central and north Bay of Bengal.





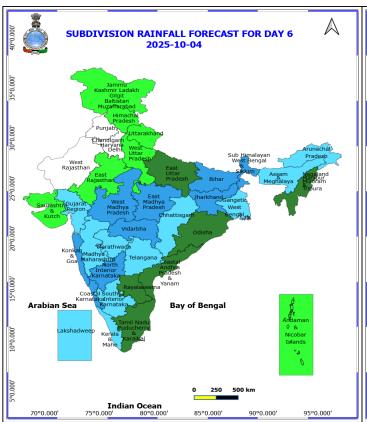


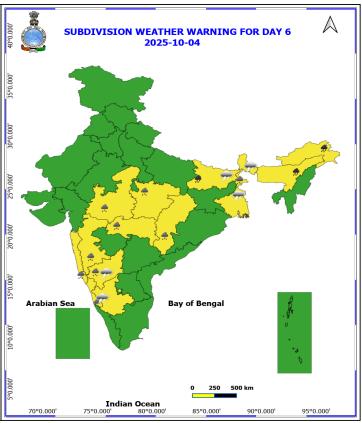
3 October (Day 5)

- ♦ Heavy to Very Heavy Rainfall likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar and Sub Himalayan West Bengal & Sikkim.
- ♦ Heavy Rainfall likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha and Vidarbha.
- ❖ Thunderstorm accompanied with lightning & gusty winds(40-50kmph) likely at isolated places over Gangetic West Bengal.
- ❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph) likely at isolated places over Andaman & Nicobar Islands, Bihar and Sub Himalayan West Bengal & Sikkim.
- ❖ Thunderstorm accompanied with Lightning likely at isolated places over Interior Karnataka.

No Fishermen Warning





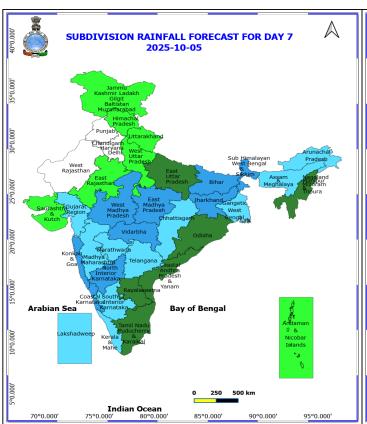


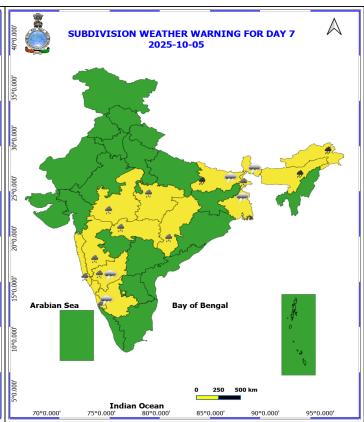
4 October (Day 6)

- * Heavy to Very Heavy Rainfall likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Bihar.
- ♦ Heavy Rainfall likely at isolated places over Chhattisgarh, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, North Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- **❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and West Bengal & Sikkim.
- ❖ Thunderstorm accompanied with Lightning likely at isolated places over Interior Karnataka.

No Fishermen Warning







5 October (Day 7)

- Heavy to Very Heavy Rainfall likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Bihar.
- ♦ Heavy Rainfall likely at isolated places over Chhattisgarh, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, North Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- **❖ Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and West Bengal & Sikkim.
- ❖ Thunderstorm accompanied with Lightning likely at isolated places over Interior Karnataka.

No Fishermen Warning



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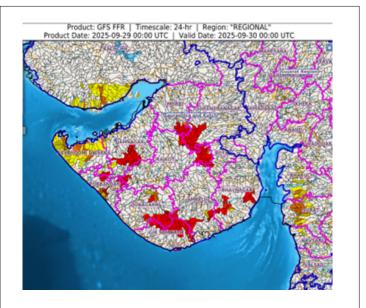
Flash Flood Warnings

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 30-09-2025 :

Moderate Flash flood threat likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Saurashtra & Kutch – Junagarh, Gir Somnath, Morbi, Surendranagar, Bhavnagar, Botad, Rajkot, Jamnagar, Porbandar, Devbhoomi Dwarka, Kachchh and Amreli districts.

Gujarat Region – Bharuch, Surat and Navsari districts.



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TELANGANA

KERALA

LAKSHDWEEP

RAYALASEEMA

COSTAL KARNATAKA

TAMILNADU & PUDUCHERRY

NORTH INTERIOR KARNATAKA

SOUTH INTERIOR KARNATAKA



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Table-1

7 Days Rainfall Forecast Subdivision 29-30-1- Oct | 2- Oct S.No. 3- Oct 4- Oct 5- Oct Sep Sep Day 2 Day 1 Day 3 Day 4 Day 5 Day 6 Day 7 ANDAMAN & NICOBAR ISLANDS **FWS FWS FWS ISOL** SCT **ISOL ISOL** ARUNACHAL PRADESH **FWS** WS WS **FWS FWS** SCT WS 3 ASSAM & MEHGHALAYA **FWS FWS FWS FWS FWS FWS** SCT 4 N. M. M. & T. **FWS FWS FWS FWS FWS** SCT SCT S.H. WEST BENGAL & SIKKIM **FWS FWS** 5 WS WS WS **ISOL** WS **GANGETIC WEST BENGAL FWS FWS FWS FWS** SCT WS WS 6 7 **ODISHA** SCT SCT **FWS FWS FWS** SCT SCT **JHARKHAND FWS** WS WS WS WS SCT 8 **ISOL** SCT **FWS FWS** WS WS 9 **BIHAR ISOL** SCT EAST UTTAR PRADESH **ISOL ISOL** SCT SCT **ISOL** SCT SCT 10 11 WEST UTTAR PRADESH **ISOL ISOL ISOL ISOL ISOL ISOL ISOL** UTTARAKHAND **ISOL ISOL ISOL ISOL ISOL ISOL** 12 **ISOL** HARYANA, CHD & DELHI **ISOL** DRY DRY DRY DRY 13 **ISOL** DRY 14 PUNJAB DRY DRY DRY DRY DRY DRY DRY HIMACHAL PRADESH DRY DRY DRY DRY 15 DRY ISOL **ISOL** JAMMU AND KASHMIR AND LADAKH DRY DRY DRY DRY DRY 16 **ISOL ISOL WEST RAJASTHAN** DRY DRY 17 ISOL **ISOL** DRY DRY ISOL 18 EAST RAJASTHAN SCT **SCT ISOL ISOL ISOL ISOL ISOL** WEST MADHYA PRADESH **FWS FWS FWS FWS** WS WS WS 19 WS **FWS** WS WS 20 EAST MADHYA PRADESH **FWS** WS WS WS **FWS FWS FWS FWS** 21 **GUJRAT REGION** WS WS FWS 22 SAURASHTRA & KUTCH WS WS WS SCT **ISOL ISOL** WS WS 23 **KONKAN & GOA** WS WS WS WS WS 24 WS WS **FWS FWS FWS FWS FWS** MADHYA MAHARASHTRA **FWS** SCT **FWS FWS FWS FWS** 25 MARATHWADA SCT VIDARBHA **FWS FWS FWS** WS 26 SCT WS WS CHATTISGARH **FWS** WS WS WS **FWS FWS** 27 SCT COASTAL ANDHRA PRADESH SCT **FWS** 28 SCT SCT SCT **SCT** SCT

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

SCT

ISOL

ISOL

WS

FWS

SCT

WS

FWS

SCT

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Fig. 1: Maximum Temperatures Dated 2025-09-28

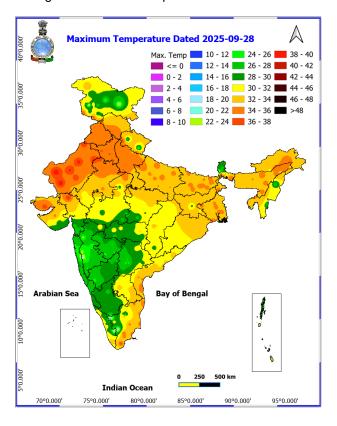


Fig. 3: Minimum Temperatures Dated 2025-09-29

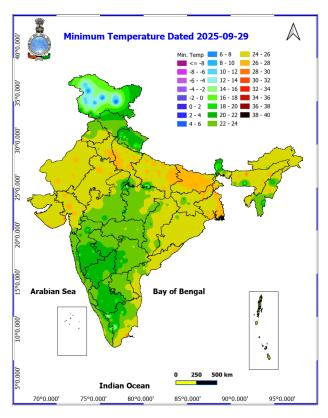


Fig. 2: Departure of Maximum Temp. Dated 2025-09-28

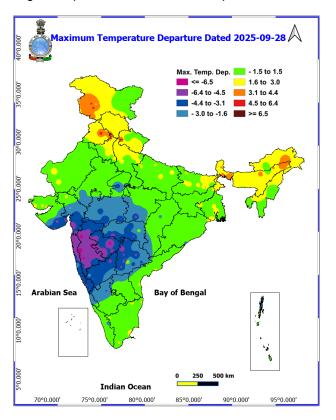
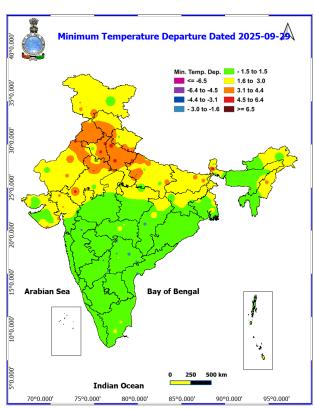
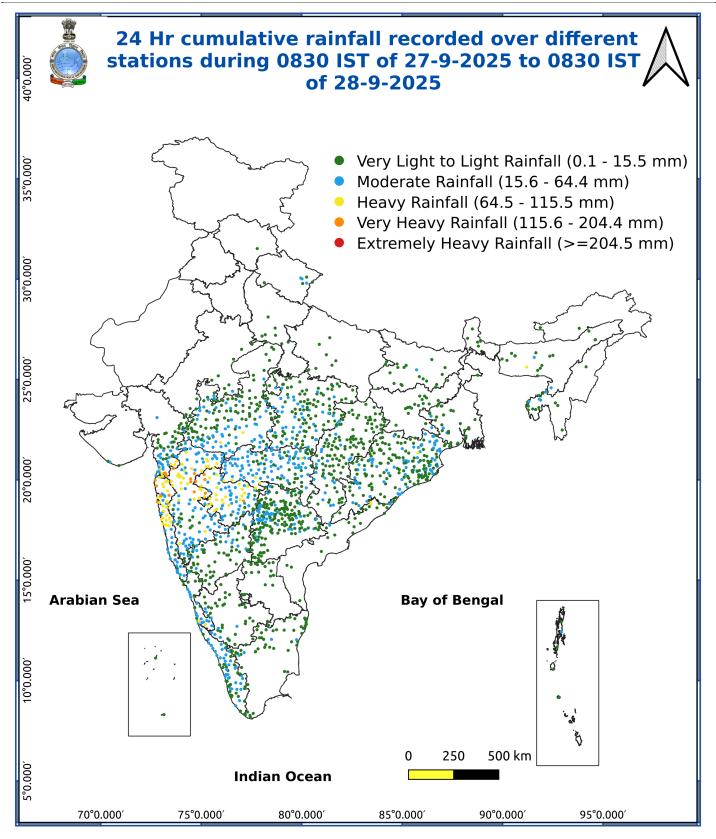


Fig. 4: Departure of Minimum Temp. Dated 2025-09-29









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- Extremely heavy rainfall (≥21 cm) at isolated places over Saurashtra & Kutch on 29th September.
- Very heavy rainfall (12-20 cm) at isolated places over Konkan, Madhya Maharashtra, Gujarat Region on 29th September; Saurashtra & Kutch on 29th -30th September; at isolated places over Gangetic West Bengal on 02nd October; Sub-Himalayan West Bengal & Sikkim on 03rdOctober; Bihar on 03rd & 04th October; Nagaland, Manipur, Mizoram & Tripura on 02nd October; Arunachal Pradesh, Assam & Meghalaya on 03rd& 04th October

Impact Expected

- Water logging/ flooding in many parts of low lying area and river banks
- Localized and short term disruption to municipal services (water, electricity, etc.)
- Major disruption of traffic flow. Major roads/local trains affected.
- Possibility of danger to very old buildings and unmaintained structures, falling of trees etc
- Closure of roads crossing low water bridges.

Action Suggested

- Traffic may be regulated effectively
- People in the affected area may restrict their movement.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy / Heavy to Very Heavy / Extremely Heavy Rainfall

- In Maharashtra, drain out excess water from fields of rice, groundnut, ginger, vegetables and fruit orchards in the districts of Konkan. In Madhya Maharashtra, keep the harvested produce of black gram, soybean and kidney beans (rajma) at safer places and drain out excess water from fields of rice, pigeon pea, soybean, maize, cotton, sugarcane, vegetables and fruit orchards. In Marathwada, drain out excess water from fields of soybean, cotton, pigeon pea, vegetables and fruit orchards and keep the harvested produce of sapota and custard apple at safer places. In Vidarbha, make arrangements to drain out excess water from fields of pigeon pea, cotton, soybean, sorghum, maize and vegetables. Store the harvested produce of green gram and black gram at safe places; if storage is not possible cover the harvested produce with plastic / tarpaulin sheets.
- In **Gujarat**, keep the harvested produce of crops such as groundnut, sesame, maize, pearl millet, soybean etc. at safer places. Make necessary arrangements to drain out excess water from fields of rice, sugarcane, cotton, pigeon pea, soybean, groundnut, maize, pearl millet, castor, vegetables and fruit orchards in **Gujarat region** and cotton, pigeon pea, groundnut, black gram, green gram, castor, pearl millet, soybean, sesame and vegetables in **Saurashtra & Kutch.**
- In **South East Rajasthan**, make provision to drain out excess rain water from fields of maize, cotton, black gram, soybean and vegetables.
- In West Madhya Pradesh, ensure proper drainage in the fields of soybean, maize, cotton, black gram and vegetables and keep the harvested produce of soybean, maize and black gram and other field crops at safer places.
- In **Karnataka**, provide adequate drainage facilities in fields of rice, cotton, ginger and plantations of arecanut, coconut, banana and black pepper in **Coastal Karnataka** and fields of pigeon pea, groundnut, soybean, maize, cotton, vegetables and fruit orchards in **North Interior Karnataka**.

Livestock / Fishery

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from



National Weather Forecasting Centre Indian Meteorological Department Ministry of Earth Sciences

escaping in case of overflow.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

• Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

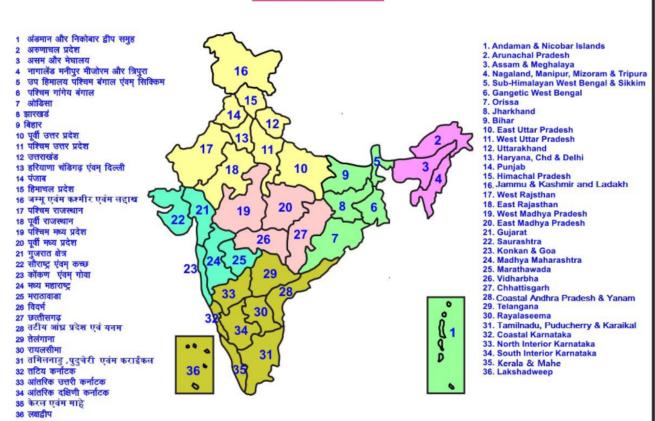
Legends & abbreviations:

Region wise classification of meteorological Sub-Divisions:

- Northwest India: Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- Central India: West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- East India: Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- West India: Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathawada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.



LEGENDS



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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Colour

NO WARNING

WATCH (BE UPDATED)

ALERT (BE PREPARED TO TAKE

	Terms	Probability of Occurrence (%)		
	Unlikely	< 25		
	Likely	25 - 50		
ACTION:	Very Likely	50 - 75		
	Most Likely	> 75		

Probabilistic Forecast

WARNING (TAKE ACTION)

Heavy Rain Thunderstorm & Lightning







Strong surface winds Cold Wave







Cold Day





		EGENDS	
	WARNING	Probabilistic Forecas	st
	WARNING (TAKE ACTION)	Terms Probability of Occurre	nce (%)
	ALERT (BE PREPARED)	Unlikely < 25 Likely 25 - 50	
	WATCH (BE UPDATED)	Very Likely 50 - 75	
	NO WARNING (NO ACTION)	Most Likely > 75	
./ 💭	Heavy: 64.5 to 115.5 mm/cm *		
in/ Snow	Very Heavy: 115.6 to 204.4 mm/cm* Extremely Heavy: > 204.4 mm/cm *		
iiii onow			0 C f L
	(a) Based on Departure from norma	tation reaches ≥40° C for plains and ≥30 al	o tor n
	Heat Wave: Maximum Temperature Dep	arture from normal 4.5° C to 6.4° C.	
Î+	Severe Heat Wave: Maximum Temperat		
eat Wave	(b). Based on Actual maximum tem	•	
iout maro	Heat Wave: When actual maximum temp Severe Heat Wave: When actual maxim		
	(c). Criteria for heat wave for coast		
	When maximum temperature departure is	>4.5°C from normal. Heat Wave may be describe	d provide
	temperature ≥37°C		
Ĵ+	When maximum temperature rema Warm Night: When minimum temperature		
Varm Night	Severe Warm Night: When minimum temperatur		
		station ≤10°C for plains and ≤0°C for h	illy regi
	(a). Based on departure Cold Wave: Minimum Temperature Depart	urture from normal A 5 9C to 6 4 9C	
	Severe Cold Wave: Minimum Temperature Depa		
J-	(b) Based on actual Minimum Tem		
Cold Wave	Cold Wave : When Minimum Temperatur		
	Severe Cold Wave: When Minimum Ter	nperature is ≤ 2.0 °C	
	(c) For Coastal Stations		
	When Minimum Temperature departure	is ≤-4.5 °C & actual Minimum Temperature is ≤	15 °C
		tation ≤10°C for plains and ≤0°C for hilly	regions
 -	Based on departure Cold Day: Maximum Temperature Depar	ture from normal -4.5 °C to -6.4 °C	
Cold Day	Severe Cold Day: Maximum Temperatur		
	Pharaman of annul decide		! - !!- !!!
A	Moderate Fog: When the visibility between	suspended in air and the horizontal	VISIDIII
•	Dense Fog: when the visibility between		
Fog	Very Dense Fog: when the visibility < 50	metres	
7.			
75	Sudden electrical discharges manif sound (thunder)	ested by a flash of light (Lightning) and a	sharp r
nunderstorm	(
luliuerstoriii			
understorm	An annumble of continuous states	and annualisable life of the count but the	h
Dust/Sand	An ensemble of particles of dust or turbulent wind.	sand energetically lifted to great heights	by a str
		sand energetically lifted to great heights	by a str
Dust/Sand		sand energetically lifted to great heights	by a str
Dust/Sand Storm	turbulent wind.	sand energetically lifted to great heights	by a str
Dust/Sand	lce deposits on ground [Air temperature ≤4°C (over Plains)		by a str
Dust/Sand Storm	lce deposits on ground [Air temperature ≤4°C (over Plains) A strong wind that rises sudde	sand energetically lifted to great heights l	by a str
Dust/Sand Storm	lce deposits on ground [Air temperature ≤4°C (over Plains) A strong wind that rises sudde Moderate: Wind speed 52-61 kmph		by a str
Dust/Sand Storm	lce deposits on ground [Air temperature ≤4°C (over Plains) A strong wind that rises sudde		by a sti
Dust/Sand Storm Frost	lce deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises sudde Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph	enly, lasts for atleast 1 minute.	by a str
Dust/Sand Storm Frost	Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises sudde Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea	enly, lasts for atleast 1 minute.	by a str
Dust/Sand Storm Frost Squall	Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises sudde Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea Rough to very rough: Wind speed 41-6	enly, lasts for atleast 1 minute.	by a sti
Dust/Sand Storm Frost	Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises sudde Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea Rough to very rough: Wind speed 41-6	enly, lasts for atleast 1 minute. over specific area 2 kmph (22-33 knots) & Wave height 2.5-6 metre mph (34-63 knots) & Wave height 6-14 metre	by a str
Dust/Sand Storm Frost Squall	Lice deposits on ground Air temperature \$4°C (over Plains) A strong wind that rises sudded Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea Rough to very rough: Wind speed 41-64 High to very high: Wind speed 63-117 kmph (>90 kmph wind speed >117 kmph wind speed >117 kmph (>90 kmph wind speed >117 kmph wind speed >117 kmph (>90 kmph wind speed >117	enly, lasts for atleast 1 minute. over specific area 2 kmph (22-33 knots) & Wave height 2.5-6 metre mph (34-63 knots) & Wave height 6-14 metre 63 knots) & Wave height >14 metre	by a str
Dust/Sand Storm Frost Squall	turbulent wind. Ice deposits on ground Air temperature ≤4°C (over Plains) A strong wind that rises sudde Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea Rough to very rough: Wind speed 41-6 High to very high: Wind speed 63-117 k	enly, lasts for atleast 1 minute. over specific area 2 kmph (22-33 knots) & Wave height 2.5-6 metre mph (34-63 knots) & Wave height 6-14 metre 63 knots) & Wave height >14 metre h (34-47 knots)	by a str
Dust/Sand Storm Frost Squall	Ice deposits on ground Air temperature \$4°C (over Plains) A strong wind that rises sudded Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea Rough to very rough: Wind speed 63-117 kmph (>Phenomenal: Wind speed >117 kmph (>Cyclonic Storm: Wind speed 62-87 kmph	enly, lasts for atleast 1 minute. over specific area 2 kmph (22-33 knots) & Wave height 2.5-6 metre mph (34-63 knots) & Wave height 6-14 metre 63 knots) & Wave height >14 metre th (34-47 knots) 3-117 kmph (48-63 knots) seed 118-165 kmph (64 - 89 knots)	by a str