



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 15th August, 2022
Time of Issue: 1330 hrs IST**

INDIA METEOROLOGICAL DEPARTMENT WISHES A VERY HAPPY 76TH INDEPENDENCE DAY

**Subject: (i) Depression over Northwest Chhattisgarh and adjoining East Madhya Pradesh.
(ii) Active monsoon conditions over Madhya Pradesh, Rajasthan, Gujarat and north Maharashtra during next 2 days and rainfall decrease thereafter.
(iii) A fresh Low Pressure Area is likely to form over Northwest Bay of Bengal around 19th August, 2022 leading to enhanced rainfall activity over east and central India during 18th-21st August, 2022.**

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. I for amounts)

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)

- The **Depression** over North Chhattisgarh and neighbourhood moved west-northwestwards with a speed of 25 kmph during last 6 hours and lay centered at 0830 hours IST of 15th August over Northwest Chhattisgarh and adjoining East Madhya Pradesh near latitude 22.6°N and longitude 82.0°E, about 20 km southwest of Pendra Road (Chhattisgarh), 170 km east of Mandla (Madhya Pradesh) and 220 km east of Jabalpur (Madhya Pradesh). It is very likely to continue to move west-northwestwards and weaken gradually during next 12 hours. **(Annexure III)**
- The monsoon trough is likely to remain active during next 3 days. It runs to the south of its normal position. The western end of the Monsoon trough is likely to shift gradually northwards from 17th August, 2022. The eastern end is likely to shift gradually northwards during next 3 days.
- The off-shore trough runs along south Gujarat and Maharashtra coasts at mean sea level.
- **Under the influence of the above systems:**
 - Fairly widespread/Widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over West Madhya Pradesh, Vidarbha, ghat areas of Madhya Maharashtra and Konkan & Goa on 15th & 16th; East Madhya Pradesh and Chhattisgarh on 15th; Odisha on 15th; Rajasthan and Gujarat Region during 15th-17th and Saurashtra & Kutch on 16th & 17th August, 2022.
 - ✓ **Isolated very heavy rainfall likely over East Madhya Pradesh, ghat areas of Madhya Maharashtra and Konkan & Goa on 15th; Rajasthan, West Madhya Pradesh and Saurashtra & Kutch on 16th; Gujarat Region on 15th & 16th August, 2022.**
 - ✓ **Isolated extremely heavy rainfall also likely over East Rajasthan and West Madhya Pradesh on 15th August, 2022.**
 - A Low Pressure Area is likely to form over Northwest Bay of Bengal around 19th August, 2022. Under its influence; fairly widespread/Widespread light/moderate rainfall is likely over Gangetic West Bengal, Odisha, Jharkhand, Chhattisgarh and East Madhya Pradesh during 18th-19th August, 2022. **Isolated heavy to very heavy rainfall likely over Odisha on 18th & 19th August, 2022.** Isolated **heavy rainfall** is likely over Gangetic West Bengal on 18th & 19th; Jharkhand, Chhattisgarh and East Madhya Pradesh on 19th August, 2022.
 - Fairly widespread/Widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir on 15th; Himachal Pradesh on 15th & 18th and Uttarakhand on 18th & 19th

August, 2022. **Isolated very heavy rainfall also likely over Jammu & Kashmir and Himachal Pradesh on 15th August, 2022.**

○ **Fishermen Warning:**

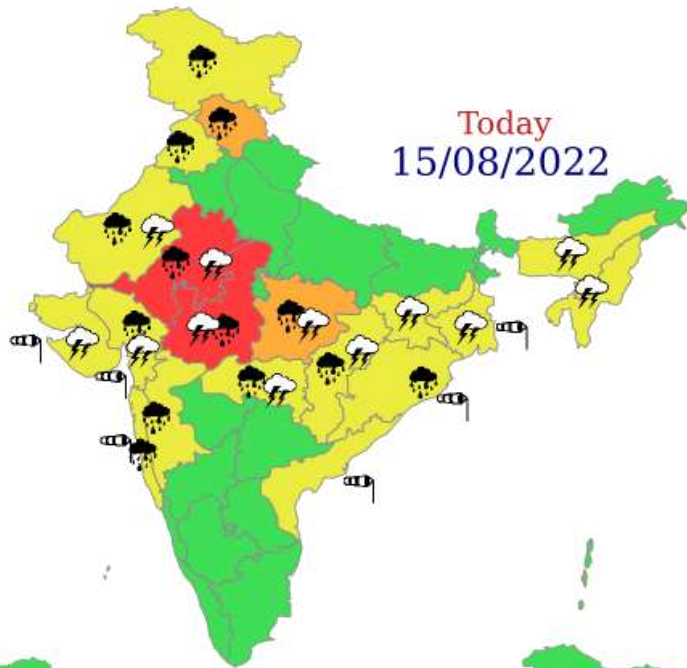
- ✓ Fishermen are advised not to venture into northwest Bay of Bengal and adjoining west-central Bay of Bengal, along and off west Bengal, Odisha, north Andhra Pradesh coasts on 15th and over northern parts of northeast Arabian Sea, along and off Goa, Maharashtra and south Gujarat coasts during 15th-17th August, 2022.

For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php
&
https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_82d82c_1.%20National%20Bulletin%2020220812_0300.pdf

Rainfall (in cm):

- ❖ **Odisha:** Th Rampur (Kalahandi) 37, Kotpad (Koraput) 29, K Nuagaon (Kandhamal) 23, Kalampur (Kalahandi) 22, Dabugan (Nawarangpur) 21, Baliguda (Kandhamal) 21, Batagaon (Sambalpur) 21, Madanpur Rampur (Kalahandi) 20, Papadahandi (Nawarangpur) 19, Mandira Dam (Sundargarh) 19, Rajgangpur (Sundargarh) 18, Lanjigarh (Kalahandi) 18, Jaipatna (Kalahandi) 18, Phiringia (Kandhamal) 18, Borigumma (Koraput) 18, Ambabhona (Bargarh) 17, Ambadola (Rayagada) 17, Kosagumda (Nawarangpur) 17, Bhawanipatna (Kalahandi) 17, Gudvela (Bolangir) 17, Narla (Kalahandi) 17, Nawarangpur (Nawarangpur) 17, Bamra (Sambalpur) 17, Nawarangpur Pto (Nawarangpur) 17, Chakapad (Kandhamal) 16, Jharsuguda (Jharsuguda) 16, Kashipur (Rayagada) 15, Nandahandi (Nawarangpur) 15, Boudhgarh (Boudhgarh) 15, Sohela (Bargarh) 15, Tikabali (Kandhamal) 15, Tentulikhunti (Nawarangpur) 15, Karlamunda (Kalahandi) 15, Junagarh (Kalahandi) 14, Kotagarh (Kandhamal) 14, Hemgiri (Sundargarh) 14, Dharmagarh (Kalahandi) 14, Kutra (Sundargarh) 14, Laikera (Jharsuguda) 13, Belgaon (Bolangir) 13, Jeypore (Koraput) 13, Jhorigam (Nawarangpur) 13, Muniguda (Rayagada) 13, Umarkote (Nawarangpur) 13, Barkote (Deogarh) 12, Kirmira (Jharsuguda) 12, Athmalik (Angul) 12, Lakhampur (Jharsuguda) 12, Raikia (Kandhamal) 12, Jamankira (Sambalpur) 12, Kuchinda (Sambalpur) 11, Naktideul (Sambalpur) 11, Kolabira (Jharsuguda) 11, Deogarh (Deogarh) 11, Rajkishorenagar (Angul) 11, Deogaon (Jharsuguda) 11, Kotraguda (Rayagada) 11, Kolnara (Rayagada) 11, Bargaon (Sundargarh) 11, Phulbani (Kandhamal) 11, Batli (Bargarh) 11, Lephripara (Sundargarh) 10, Bargarh (Bargarh) 10, Kalinga (Kandhamal) 10, G Udayagiri (Kandhamal) 10, Koksara (Kalahandi) 10, Deogaon (Bolangir) 9, Gurundia (Sundargarh) 9, Rairakhol (Sambalpur) 9, Chandahandi (Nawarangpur) 9, Daringibadi (Kandhamal) 9, Champua (Keonjhar) 9, Koraput (Koraput) 9, Kesinga (Kalahandi) 9, Tangarpali (Sundargarh) 9, Similiguda (Koraput) 9, Lathikata (Sundargarh) 9, Bissem-cuttack (Rayagada) 9, Burla (Sambalpur) 9, Jujumura (Sambalpur) 8, Atabira (Bargarh) 8, Reamal (Deogarh) 8, Hirakud (Sambalpur) 8, Raighar (Nawarangpur) 8, Dhenkanal Pto (Dhenkanal) 8, Balisankara (Sundargarh) 8, Tittagarh (Bolangir) 8, Nischintakoili (Cuttack) 8, Rengali (Angul) 8, Gaisilet (Bargarh) 7, Banaigarh (Sundargarh) 7, Bhograi (Balasore) 7, Padampur (Bargarh) 7, Sambalpur (Sambalpur) 7, Sundargarh (Sundargarh) 7, Binjharpur (Jajpur) 7, Joda (Keonjhar) 7, Bijepur (Bargarh) 7, Bolangir (Bolangir) 7, Panposh (Sundargarh) 7, Lamataput (Koraput) 7, Kantamal (Boudhgarh) 7, Mathili (Malkangiri) 7, Jajpur Pto (Jajpur) 7, Jaleswar (Balasore) 7, Rayagada Pto (Rayagada) 7;
- ❖ **Himachal Pradesh:** Kangra: Dharmsala 21, Kangra Aero 15, Mandi: Jogindarnagar 15, Sirmaur: Jatton Barrage 10, Renuka/Dadhau 9, Kangra: Palampur 9, Dharamshala 9, Nagrota Surian 7, Solan: Kandaghat 7, Sirmaur: Rajgarh 7, Mandi: Mandi 7;
- ❖ **West Madhya Pradesh:** Pipariya (dist Narmadapuram) 25, Pachmarhi (dist Narmadapuram) 17, Begumganj (dist Raisen) 15, Sohagpur (dist Narmadapuram) 14, Bareli (dist Raisen) 14, Udaipura (dist Raisen) 13, Bankhedi (dist Narmadapuram) 12, Gairatgang (dist Raisen) 11, Badi (dist Raisen) 10, Salwani (dist Raisen) 9, Raghogarh (dist Guna) 9, Pathari (dist Vidisha) 8, Kumbhraj (dist Guna) 7, Deori (dist Raisen) 7, Raisen-aws (dist Raisen) 7;
- ❖ **East Madhya Pradesh:** Paraswada (dist Balaghat) 20, Kirnapur (dist Balaghat) 18, Malanjkhanda (dist Balaghat) 17, Lanji (dist Balaghat) 16, Balaghat-aws (dist Balaghat) 14, Tamia (dist Chindwara) 13, Waraseoni (dist Balaghat) 13, Lalburra (dist Balaghat) 12, Mandla (dist Mandla) 12, Baihar (dist Balaghat) 11, Birsa (dist Balaghat) 11, Niwas (dist Mandla) 11, Tirodi (dist Balaghat) 11, Bichhia (dist Mandla) 11, Pushprajgarh (dist Anuppur) 10, Kesli (dist Sagar) 10, Bijadandi (dist Mandla) 9, Kurai (dist Seoni) 9, Nainpur (dist Mandla) 9, Gadarwara (dist Narsinghpur) 9, Raipura (dist Panna) 9, Katangi (dist Balaghat) 8, Amarpur (dist Dindori) 8, Jaisinagar (dist Sagar) 8, Rahatgarh (dist Sagar) 8, Narayanganj (dist Mandla) 8, Parasia (dist Chindwara) 8, Sagar-aws (dist Sagar) 7, Umreth (dist Chindwara) 7, Gotegaon (dist Narsinghpur) 7, Seoni (dist Seoni) 7, Deori (dist Sagar) 7, Mawai (dist Mandla) 7, Harrai (dist Chindwara) 7, Patera (dist Damoh) 7, Junnardeo (dist Chindwara) 7;
- ❖ **Vidarbha:** Salekasa (dist Gondia) 24, Amgaon (dist Gondia) 22, Goregaon (dist Gondia) 19, Deori (dist Gondia) 19, Sadakarjuni (dist Gondia) 17, Gondia (dist Gondia) 16, Korchi (dist Gadchiroli) 16, Arjuni Morgaon (dist Gondia) 14, Kurkheda (dist Gadchiroli) 12, Tirora (dist Gondia) 12, Gondia Ap (dist Gondia) 12, Sakoli (dist Bhandara) 12, Mohadi (dist Bhandara) 11, Etapalli (dist Gadchiroli) 10, Ahiri (dist Gadchiroli) 9, Tumsar (dist Bhandara) 9, Mulchera (dist Gadchiroli) 9, Lakhani (dist Bhandara) 9, Desaiganj (dist Gadchiroli)

- 7, Mauda (dist Nagpur) 7, Kuhi (dist Nagpur) 7, Armori (dist Gadchiroli) 7, Pombhurna (dist Chandrapur) 7, Ramtek (dist Nagpur) 7, Bramhapuri (dist Chandrapur) 7;
- ❖ **Chhattisgarh:** Bhanupratappur (dist Kanker) 19, Narayanpur (dist Narayanpur) 19, Makadi (dist Kondagaon) 19, Pakhanjur (dist Kanker) 18, Chhuria (dist Rajnandgaon) 17, Pusaur (dist Raigarh) 17, Raigarh (dist Raigarh) 16, Jagdalpur (dist Bastar) 16, Bastar (dist Bastar) 16, Bijapur (dist Bijapur) 15, Antagarh (dist Kanker) 15, Darbha (dist Bastar) 15, Keshkal (dist Kondagaon) 14, Kanker (dist Kanker) 14, Pharasgaon (dist Kondagaon) 14, Bakavand (dist Bastar) 14, Charama (dist Kanker) 13, Durgkondal (dist Kanker) 13, Mohla (dist Rajnandgaon) 13, Bastanar (dist Bastar) 13, Doundi (dist Balod) 13, Ambagarh Chowki (dist Rajnandgaon) 12, Dongargarh (dist Rajnandgaon) 12, Dongargaon (dist Rajnandgaon) 12, Baderajpur (dist Kondagaon) 12, Kondagaon (dist Kondagaon) 12, Pali (dist Korba) 12, Manpur (dist Rajnandgaon) 12, Lohandiguda (dist Bastar) 11, Dhamtari (dist Dhamtari) 11, Magarlod (dist Dhamtari) 10, Sarangarh (dist Raigarh) 10, Kharsiya (dist Raigarh) 10, Rajim (dist Gariaband) 10, Tamnar (dist Raigarh) 9, Tokapal (dist Bastar) 9, Katghora (dist Korba) 9, Orcha (dist Narayanpur) 9, Dhabhara (dist Janjgir) 9, Chhura (dist Gariaband) 9, Dondilohara (dist Balod) 9, Mahasamund (dist Mahasamund) 9, Balod (dist Balod) 8, Baramkela (dist Raigarh) 8, Malkharoda (dist Janjgir) 8, Dantewara (dist Dantewada) 8, Gurur (dist Balod) 8, Bagbahara (dist Mahasamund) 8, Nerharpur (dist Kanker) 7, Bhairamgarh (dist Bijapur) 7, Gariabund (dist Gariaband) 7, Nagari (dist Dhamtari) 7, Kurud (dist Dhamtari) 7, Pithora (dist Mahasamund) 7, Katekalyan (dist Dantewada) 7, Lailunga (dist Raigarh) 7, Kusmi (dist Balrampur) 7, Seovrinarayan (dist Janjgir) 7, Korba (dist Korba) 7, Bilaspur (dist Bilaspur) 7, Jaijaipur (dist Janjgir) 7, Jashpurnagar (dist Jashpur) 7, Kuakonda (dist Dantewada) 7, Saraipali (dist Mahasamund) 7, Gundardehi (dist Balod) 7;
 - ❖ **East Uttar Pradesh:** Kanpur (dist Kanpur) 9;
 - ❖ **Jharkhand:** Ranchi: Mandar 7, West Singbhum: Jaganathpur Bau KVK AWS 7, Simdega: Kurdeg & Kolebira 7 each;
 - ❖ **Haryana, Chandigarh & Delhi:** Chandigarh Iaf (dist Chandigarh) 9, Hissar Aws (dist Hisar) 9, Hansi Arg (dist Hisar) 8, Fatehabad (dist Fatehabad) 7, Panchkula Aws (dist Panchkula) 7;
 - ❖ **East Madhya Pradesh:**
 - ❖ **Punjab:** Kapurthala (dist Kapurthala) 9, Ranjit Sagar Dam Site (dist Pathankot) 7;
 - ❖ **Telangana:** Dahegaon (dist Kumaram Bheem) 7;
 - ❖ **Konkan & Goa:** Lanja (dist Ratnagiri) 7;
 - ❖ **Gangetic West Bengal:** Kalaikunda: 10; Lalgargh, Sagar Islands:8; Contai, Digha: 7;
 - ❖ **Nagaland, Manipur, Mizoram & Tripura:** Mokokchung: MOKOKCHUNG KVK AWS 10, Zunheboto: ZUNHEBOTO (KVK AWS) 9, Imphal East: CHOTABEKRA 8, Dimapur: DIMAPUR (AWS) 7, Zunheboto: ZUNHEBOTO 7;
 - ❖ **Assam & Meghalaya:** Golaghat: NUMALIGARH 10, East Khasi Hills: SHORA (ARG) 9 & SOHRA(RKM) 8, Tinsukia: MARGHERITA 7, Cachar: AMRAGHAT 7;
 - ❖ **Arunachal Pradesh:** Namsai: NAMSAI 9.



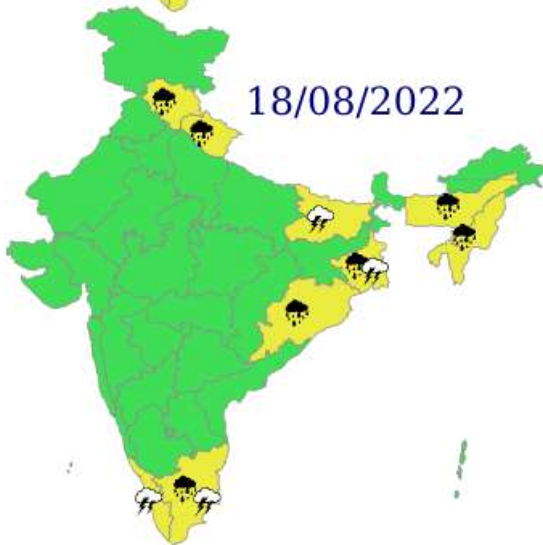
Today
15/08/2022



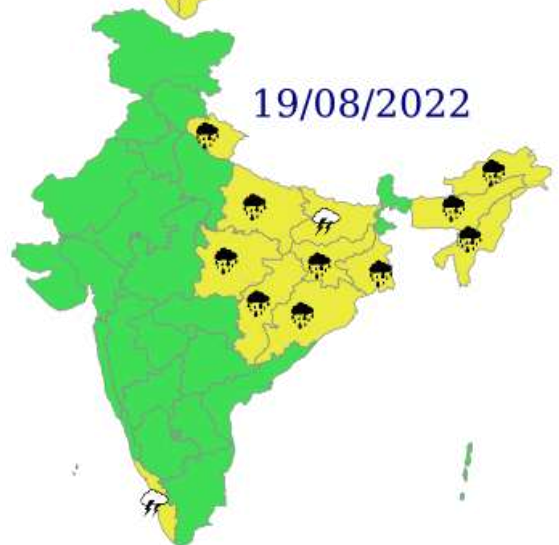
Tomorrow
16/08/2022



17/08/2022



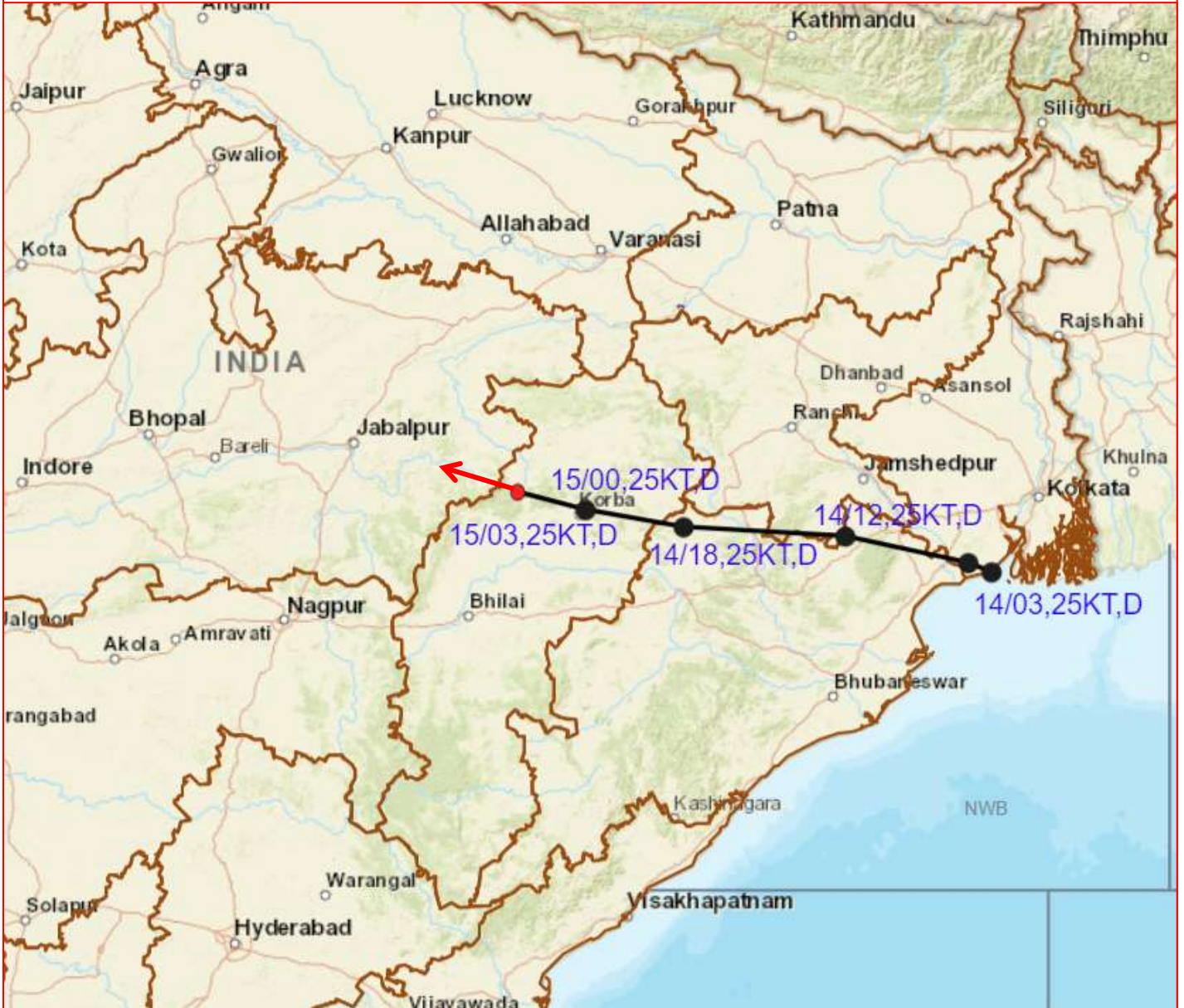
18/08/2022



19/08/2022



OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTHWEST CHHATTISGARH AND ADJOINING EAST MADHYA PRADESH BASED ON 0300 UTC OF 15th AUGUST, 2022



DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

	LESS THAN 34 KT
	34-47 KT
	\geq 48 KT
	OBSERVED TRACK
	FORECAST TRACK
	CONE OF UNCERTAINTY

EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

i) Isolated very heavy rainfall over Himachal Pradesh, East Madhya Pradesh on 15th; Rajasthan, West Madhya Pradesh and Gujarat Region on 16th August, 2022.

ii) Isolated extremely heavy rainfall over East Rajasthan and West Madhya Pradesh on 15th August, 2022.

A. Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and 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)



Heavy Rain



Strong Winds

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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



Thunderstorm with Lightning



Heat Wave