Subject: Enhanced rainfall activity very likely to continue over west & northwest India till 11th September, 2021; over Telangana, Vidarbha, coastal & north interior Karnataka on 07th September, 2021 and decrease thereafter.

- Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): Konkan & Goa: Murud-47; Ratnagiri-37; Raigarh-15; Sindhudurg, north Goa-8 each; Telangana: Nadikuda (Warangal Rural)-39; Malliala (Karimnagar)-31; Bornapalli (Karimnagar)-29; Warangal-26; Karimnagar-25; Kothagudem, Bhupalpally-23 each; Peddapalle-22; Rajanna Sircilla-21; Jagtial-20; Jangaon-19; Mulugu-18; Nirmal-17; Khammam, Nizamabad-13 each; Adilabad-10; Sissipet-8 Coastal Andhra Pradesh & Yanam: Kakinada-17; Vararamachandrapur-15; Velaiprad-14; Kunavaram-13; Narsipatnam-12; Chintur-11; Srikakulam-9; Madhya Maharashtra: gaganbawda-9; Pune-7; Marathawada: Nanded-13; Sub-Himalayan West Bengal: Jhallong-11; Rongo-10; Chepan-7; Odisha: Banki-14; Ganjam-11; Balasore, Nayagarh-10 each; Tikarpara, Gajapati, Narsinghpur-9 each; Hindol, Khurda-8 each; Kalahandi-7; Himachal Pradesh: Bilaspur-12; Hamirpur-7; Uttarakhhand: Loharkhet, Chamoli-12; East Rajasthan: Udaipur-10; Haryana: Yamunanagar-10; West Uttar Pradesh: Nagina, Shaharanpur-10 each; Gujarat state: Surat, Banaskantha-8 each; Navsari, Rajkot-7 each; Arunachal Pradesh: Itanagar-11; Assam & Meghalaya: Guwahati-12, Kokraghar-11, Lakhimpur-9; Vidarbha:Amraoti, Yeotmal-11.

Weather Systems:

- A well marked Low Pressure Area lies over south Chhattisgarh & adjoining south Odisha with its associated cyclonic circulation extends upto middle tropospheric levels. The well marked Low Pressure Area and its remnant is very likely to move West-north-westwards during next 4-5 days.
- The monsoon trough lies south of its normal position. It is very likely to be south of its normal position during next 4-5 days.
- A shear zone runs roughly along Latitude 18°N in lower & middle tropospheric levels. It is very likely to persist over south Peninsular India during next 3 days.
- A Low Pressure Area is likely to form over North and adjoining Central Bay of Bengal around 11th September, 2021.

Forecast and Warnings:
Fairly widespread to widespread rainfall with isolated heavy to very heavy falls very likely over Telangana, coastal & north interior Karnataka, Vidarbha and Marathwada on 07th September and reduction thereafter and over Madhya Maharashtra, Konkan, Gujarat state during 07th-11th September. Isolated extremely heavy falls are also likely over Madhya Maharashtra & Konkan on 07th & 08th; Gujarat state on 08th-09th September.

Rainfall activity is very likely to continue with fairly widespread to widespread rainfall over most parts of northwest India till 11th September, 2021. Isolated very heavy falls also likely over Punjab on 07th & 08th; Himachal Pradesh and East Rajasthan on 09th & 10th, Uttarakhand during 08th-11th; Haryana on 10th September. Isolated heavy rainfall also likely over Jammu & Kashmir during 07th, 11th; Himachal Pradesh during 7th-8th; Uttarakhand on 7th; Haryana on 07th-09th & 11th; West Uttar Pradesh on 10th-11th; East Uttar Pradesh and West Rajasthan and Punjab on 09th-11th; East Rajasthan on 07th, 08th & 11th September.

Rainfall is likely to increase over Odisha and Coastal Andhra Pradesh from 11th September, 2021.

For detailed forecast and warning refer:
https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php
EXPECTED IMPACT & ACTION SUGGESTED due to Extremely Heavy/Very Heavy Rainfall at isolated places over Telangana, Vidarbha, Coastal & North Interior Karnataka and Marathwada on 07th; Gujarat Region during 07th-10th; Saurashtra & Kutch on 08th-09th; Madhya Maharashtra and Punjab on 07th & 08th; Konkan during 07th-09th; Himachal Pradesh and East Rajasthan on 09th & 10th, Uttarakhand during 08th-11th; Haryana on 10th September.

A. Impact Expected

- Localized Flooding of roads, inundation and 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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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 Table]

<table>
<thead>
<tr>
<th>% Stations</th>
<th>Category</th>
<th>% Stations</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>76-100</td>
<td>Widespread (WS/Most Places)</td>
<td>26-50</td>
<td>Scattered (SCT/ A Few Places)</td>
</tr>
<tr>
<td>51-75</td>
<td>Fairly Widespread (FWS/ Many Places)</td>
<td>1-25</td>
<td>Isolated (ISOL)</td>
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</table>

![Probability Forecast]

<table>
<thead>
<tr>
<th>Terms</th>
<th>Probability of Occurrence (%)</th>
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<tbody>
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<td>Unlikely</td>
<td>&lt; 25</td>
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<tr>
<td>Likely</td>
<td>25 - 50</td>
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<tr>
<td>Very Likely</td>
<td>50 - 75</td>
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<tr>
<td>Most Likely</td>
<td>&gt; 75</td>
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