Subject: i) Well Marked Low Pressure Area likely to concentrate into a Depression during next 12 hours.

ii) Isolated Heavy to very Heavy rainfall activity very likely to continue over Gujarat state, north Konkan, north Madhya Maharashtra and East Rajasthan during next 5 days.

iii) Isolated Extremely Heavy Rainfall activity over Odisha & Chhattisgarh during next 2 days.

Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): Haryana: Rohtak-15, Sonepat-10, Faridabad, Jhajjar, Rewari, Hoshiarpur & Kapurthala-7 each; Konkan & Goa: Matheran-14, Palghar & Thane-7 each; Odisha: Paradip-13; Madhya Maharashtra: Satna & Mahabaleshwar-11 each, Nasik-10, Pune-9; East Rajasthan: Kotda-11, Alwar, Ghatol & Sarmathura-7 each; Chhattisgarh: Bilha-10, Seovrinarayan-9, Pharasgaon-8, Patharia-7; Vidarbha: Chandrapur-10; Tamil Nadu: Valprai-9; Saurashtra & Kutch: Ghogha-9, Bhavanagar-8; Gujarat Region: Silvasa, Godhra, Dharmpur-8 each, Santrampur, Halol, Podra, Vadodra, Dhansura, Kaprada-7; Uttarakhand: Kashipur-7; Delhi: Pusa & Mayur Vihar-7 each; West Rajasthan: Sri Ganganagar-7; East Madhya Pradesh: Balaghat & Damoh-7 each; Kerala & Mahe: Wynad-10, Palakkad-7 each.

Weather Systems:

- A Well Marked Low Pressure Area lies over Northwest & adjoining Westcentral Bay of Bengal. It is very likely to move west-northwestwards and concentrate into a Depression over Northwest Bay of Bengal and adjoining areas of north Odisha-West Bengal coasts during next 12 hours. It is very likely to move west-northwestwards across north Odisha and north Chhattisgarh during subsequent 2-3 days.

- Another Low Pressure Area over East Rajasthan & neighbourhood now lies over southwest Rajasthan & adjoining Gujarat Region. The associated cyclonic circulation now extends upto 5.8 km above mean sea level tilting southwestwards with height.
• The monsoon trough lies south of its normal position. It is very likely to be south of its normal position during next 3-4 days.
• In association with the Well Marked Low Pressure area and its west-northwestward movement and also its further intensification, lower level westerlies are very likely to strengthen along the west coast during next 5 days.

Weather forecast and Warning:
✓ Fairly widespread to widespread rainfall with isolated heavy to very heavy falls very likely over north Konkan, north Madhya Maharashtra, Gujarat State, East Rajasthan, Madhya Pradesh during next 5 days and over Vidarbha, Chhattisgarh & Odisha during next 5 days. Isolated extremely heavy falls are likely over Odisha during 12th-13th; north Konkan, north Madhya Maharashtra & Chhattisgarh on 13th September. Gujarat state and on 13th and Konkan & Goa during 13th-14th September.
✓ Scattered to fairly widespread rainfall likely to continue over Peninsular India during next 5 days. Isolated heavy falls are likely over Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala during next 3 days. Isolated very heavy falls are likely over Coastal Andhra Pradesh on 12th & over Telangana on 13th September.
✓ Isolated to scattered rainfall activity likely over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh during next 5 days. Fairly widespread to widespread rainfall activity with isolated heavy falls likely over Uttarakhand during 12th-16th September.

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 very Heavy/Extremely heavy Rainfall over north Konkan, Madhya Maharashtra and Gujarat State during 12th-14th; East Rajasthan on 15th & 16th; Madhya Pradesh during 14th-15th; Chhattisgarh & Odisha on 12th & 13th, September 2021.

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** (% of Stations reporting)

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

**Probabilistic Forecast**

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

**WARNING**

- **Heavy Rain**
- **Strong Winds**
- **Thunderstorm with Lightning**