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## WEATHER WEEKLY REPORT FOR THE WEEK ENDING ON 12 JUNE 2024

### 1. RAINFALL STATEMENT

| DISTRICT            | Rainfall for the Week<br>From 06.06.2024 to 12.06.2024 |                   |            | Rainfall for the Season<br>From 01.06.2024 to 12.06.2024 |                   |            |
|---------------------|--|-------------------|------------|--|-------------------|------------|
|                     | Actual<br>(in mm)                                      | Normal<br>(in mm) | Departure% | Actual<br>(in mm)  | Normal<br>(in mm) | Departure% |
| NORTH GOA           | 237.6  | 204.0             | +16.4      | 258.2  | 265.0             | -2.6       |
| SOUTH GOA           | 368.4  | 192.4             | +91.5      | 391.6  | 251.6             | +55.7      |
| AVERAGE FOR<br>GOA* | 307.1  | 197.9             | +109.2     | 329.0  | 257.9             | +27.6      |

% Departure is shown as - when normal value is zero on rounding off to one decimal place

\* Area weighted average of district values

| CATEGORY OF RAINFALL | WEEK'S RAINFALL<br>(Districts which fall under each category) | SEASON'S RAINFALL<br>(Districts which fall under each category) | Rainfall Category    | % Departure of Rainfall |
|----------------------|---|---|----------------------|-------------------------|
|                      | Large excess  | SOUTH GOA   | NIL                  | Large Excess (LE)       |
| Excess               | NIL   | SOUTH GOA   | Excess (E)           | +20 to +59              |
| Normal               | NORTH GOA   | NORTH GOA   | Normal (N)           | +19 to -19%             |
| Deficient            | NIL   | NIL   | Deficient (D)        | -20% to -59%            |
| Large Deficient      | NIL   | NIL   | Large Deficient (LD) | -60% or less            |
| No rain              | NIL   | NIL   | No Rain (NR)         | -100 %                  |

## 2. CHIEF SYNOPTIC FEATURES OF AND ASSOCIATED WEATHER

|         |   |
|---------|---|
| JUNE 06 | <ul style="list-style-type: none"> <li>❖ The Northern Limit of Monsoon continues to pass through 16.5°N/60°E, 16.5°N/65°E, 16°N/70°E, Goa (Mormugao), Gadag, Narayanpet, Narsapur, 17°N/85°E, 19.5°N/88°E 21.5°N/90°E, 23°N/89.5°E and Islampur.</li> <li>❖ Conditions are favourable for further advance of Southwest Monsoon into remaining parts of central Arabian Sea, remaining parts of Karnataka, some parts of south Maharashtra, some more parts Telangana &amp; Coastal Andhra Pradesh, some parts of south Chhattisgarh and South Odisha, some more parts of Westcentral and Northwest Bay of Bengal during next 2-3 days.</li> </ul>   |
| JUNE 07 | <ul style="list-style-type: none"> <li>❖ The Northern Limit of Monsoon continues to pass through 17.0°N/60°E, 17.0°N/65°E, 16.5°N/70°E, Ratnagiri, Solapur, Medak, Bhadrachalam, Vizianagaram, 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.</li> <li>❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of central Arabian Sea, some more parts of Maharashtra (including Mumbai), Telangana, remaining parts of Coastal Andhra Pradesh, some parts of south Chhattisgarh &amp; South Odisha, remaining parts of Westcentral &amp; more parts of Northwest Bay of Bengal during next 3-4 days.</li> <li>❖ The shear zone now runs roughly along 16°N between 3.1 km &amp; 5.8 km above mean sea level.</li> </ul> |
| JUNE 08 | <ul style="list-style-type: none"> <li>❖ The Northern Limit of Monsoon continues to pass through 17.0°N/60°E, 17.0°N/65°E, 16.5°N/70°E, Ratnagiri, Solapur, Medak, Bhadrachalam, Vizianagaram, 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.</li> <li>❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of central Arabian Sea, some more parts of Maharashtra (including Mumbai), Telangana, remaining parts of</li> </ul>   |

|         |   |
|---------|---|
|         | <p>Coastal Andhra Pradesh, some parts of south Chhattisgarh &amp; South Odisha, remaining parts of Westcentral &amp; more parts of Northwest Bay of Bengal during next 3-4 days.</p> <ul style="list-style-type: none"> <li>❖ The shear zone roughly along 16°N between 3.1 km &amp; 5.8 km above mean sea level persists.</li> </ul>   |
| JUNE 09 | <ul style="list-style-type: none"> <li>❖ Southwest Monsoon has further advanced into remaining parts of central Arabian Sea, some parts of north Arabian Sea, some more parts of Maharashtra (including Mumbai) today, the 09th June 2024.</li> <li>❖ The Northern Limit of Monsoon continues to pass through 19.5°N/60°E, 19.5°N/65°E, 19.0°N/70°E, Thane, Ahmednagar, Beed, Nizamabad, Sukma, Malkangiri, Vizianagaram, 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.</li> <li>❖ The shear zone now runs roughly along 18°N between 3.1 km &amp; 7.6 km above mean sea level.</li> <li>❖ A cyclonic circulation lies over Marathwada &amp; neighbourhood at 1.5 km above mean sea level.</li> </ul> |
| JUNE 10 | <ul style="list-style-type: none"> <li>❖ The Northern Limit of Monsoon continues to pass through 19.5°N/60°E, 19.5°N/65°E, 19.0°N/70°E, Thane, Ahmednagar, Beed, Nizamabad, Sukma, Malkangiri, Vizianagaram, 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.</li> <li>❖ The shear zone roughly along 18°N between 3.1 km &amp; 7.6 km above mean sea level persists.</li> </ul>   |
| JUNE 11 | <ul style="list-style-type: none"> <li>❖ The Northern Limit of Monsoon now passes through 20.5°N/60°E, 20.5°N/63°E, 20.5°N/70°E, Navsari, Jalgaon, Akola, Pusad, Ramagundam, Sukma, Malkangiri, Vizianagaram, 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.</li> <li>❖ The shear zone now runs roughly along 17°N between 3.1 &amp; 5.8 km above mean sea level.</li> </ul>   |
| JUNE 12 | <ul style="list-style-type: none"> <li>❖ Southwest Monsoon has further advanced into some more parts of Maharashtra, entire Telangana and some more parts of Chhattisgarh today, the 12th June, 2024.</li> <li>❖ The Northern Limit of Monsoon now passes through 20.5°N/60°E, 20.5°N/63°E, 20.5°N/70°E, Navsari, Jalgaon, Amravati, Chandrapur, Bijapur, Vizianagaram, Sukma 19.5°N/88°E, 21.5°N/89.5°E, 23°N/89.5°E and Islampur.</li> <li>❖ The shear zone roughly along 17°N between 3.1 &amp; 5.8 km above mean sea level persists.</li> </ul>   |

### 3. RAINFALL DISTRIBUTION AND MONSOON ACTIVITY

| DATE    | DISTRIBUTION      | MONSOON ACTIVITY |
|---------|-------------------|------------------|
| JUNE 06 | FAIRLY WIDESPREAD | -                |
| JUNE 07 | WIDESPREAD        | NORMAL           |
| JUNE 08 | WIDESPREAD        | ACTIVE           |
| JUNE 09 | WIDESPREAD        | ACTIVE           |
| JUNE10  | WIDESPREAD        | ACTIVE           |

|                |                   |               |
|----------------|-------------------|---------------|
| <b>JUNE 11</b> | <b>WIDESPREAD</b> | <b>WEAK</b>   |
| <b>JUNE 12</b> | <b>WIDESPREAD</b> | <b>NORMAL</b> |

#### 4. AMOUNT OF RAINFALL (IN MM)

|                | <b>DAILY RAINFALL RECORDED IN MM FOR 24 HOURS ENDING AT 0830 HRS IST</b>   |
|----------------|--|
| <b>JUNE 06</b> | ELA-41.0, DABOLIM-23.8, MAPUSA-22.3, MORMUGAO-20.8, PANAJI-8.1, PERNEM-6.4, SANQUELIM-6.4, PONDA-3.0, SANGUEM-0.9, MARGAO-0.2  |
| <b>JUNE 07</b> | PERNEM-65.4, SANQUELIM-65.4, VOLPOI-58.9, MAPUSA-50.3, SANGUEM-44.8, ELA-29.0, CANACONA-25.2, PONDA-20.0, PANAJI-14.4, DABOLIM-12.2, MORMUGAO-10.4, QUEPEM-10.2, MARGOA-8.4                |
| <b>JUNE 08</b> | CANACONA-192.2, SANQUELIM-184.2, QUEPEM-170.2, SANGUEM-153.7, MARGAO-143.0, MORMUGAO-58.8, PONDA-58.0, DABOLIM-52.1, OLD GOA(ELA)-44.3, PANAJI-37.9, MAPUSA-31.0, VOLPOI-24.1, PERNEM-22.4 |
| <b>JUNE 09</b> | MARGAO-153.0, CANACONA-91.2, QUEPEM-70.0, SANGUEM-65.9, PERNEM-60.4, PANAJI-52.0, MAPUSA-51.4, MORMUGAO-48.6, PONDA-48.0, SANQUELIM-47.4, DABOLIM-45.3, OLD GOA(ELA)-41.0, VOLPOI-22.8     |
| <b>JUNE 10</b> | PANAJI-93.6, QUEPEM-90.0, OLD GOA-81.0, SANGUEM-73.5, MARGAO-66.2, VOLPOI-65.2, CANACONA-63.4, MORMUGAO-63.4, DABOLIM-52.4, MAPUSA-46.0, PONDA-37.0, SANQUELIM-30.8                        |
| <b>JUNE 11</b> | DABOLIM -20.0, MARGAO -42.7, MORMUGAO -18.0, QUEPEM -30.0, ELA (OLD GOA)-3.0, PANAJI-10.2, CANACONA-7.4, SANGUEM-11.5, MAPUSA-1.4, SANQUELIM-0.2   |
| <b>JUNE 12</b> | DABOLIM -89.6, MORMUGAO -62.4, MARGAO -49.8, CANACONA-44.6, PANAJI-26.6, PERNEM-24.2, MAPUSA-21.0, QUEPEM -18.0, SANGUEM-16.8, PONDA-10.8, ELA (OLD GOA)-13.6, VALPOI-9.8, SANQUELIM-7.0   |