



**Central Water Commission**  
**Upper Ganga Basin Organisation, Lucknow**  
**Daily Flood Situation Report Cum Advisories**  
**Date: 30 OCTOBER, 2020**

**FSR No.130**

**Dated: 30-10-2020**

**1. Weather forecast by IMD**

**I. SYNOPTIC SITUATION:**

- ♦ The Western Disturbance now seen as a trough in mid & upper tropospheric Westerlies with its axis at 5.8 km above mean sea level roughly along Long. 72°E to the north of Lat. 28°N.

**II. a) DETERMINISTIC FORECAST (QPF):**

| Sr. No. | BASIN NAME | SUBBASIN CODE/NAME   | QPF (mm) |       |       |
|---------|------------|----------------------|----------|-------|-------|
|         |            |                      | Day-1    | Day-2 | Day-3 |
| 1       | Alaknanda  | Alaknanda            | 0        | 0     | 0     |
| 2       | Bhagirathi | Bhagirathi           | 0        | 0     | 0     |
| 3       | Ganga      | Chhatnag to Mirzapur | 0        | 0     | 0     |
|         |            | Narora to Phaphamau  | 0        | 0     | 0     |
|         |            | Phaphamau to Ballia  | 0        | 0     | 0     |
|         |            | Gomti                | 0        | 0     | 0     |
|         |            | Sai                  | 0        | 0     | 0     |
|         |            | Upper Ganga          | 0        | 0     | 0     |
| 4       | Ghaghra    | Lower Ghaghra        | 0        | 0     | 0     |
|         |            | Middle Ghaghra       | 0        | 0     | 0     |
|         |            | Upper Ghaghra        | 0        | 0     | 0     |
| 5       | Ramganga   | Ramganga             | 0        | 0     | 0     |
| 6       | Rapti      | Rapti                | 0        | 0     | 0     |
| 7.      | Sharda     | Sharda               | 0        | 0     | 0     |

## II (b) DETERMINISTIC FORECAST (DISTRIBUTION)

|    | BASIN NAME | SUBBASIN<br>CODE/NAME | INTENSITY (I) &<br>SPATIAL DISTRIBUTION (D) |     |       |     |       |     |
|----|------------|-----------------------|---------------------------------------------|-----|-------|-----|-------|-----|
|    |            |                       | Day-1                                       |     | Day-2 |     | Day-3 |     |
|    |            |                       | I                                           | D   | I     | D   | I     | D   |
| 1  | Alaknanda  | Alaknanda             | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
| 2  | Bhagirathi | Bhagirathi            | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
| 3  | Ganga      | Chhatnag to Mirzapur  | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Narora to Phaphamau   | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Phaphamau to Ballia   | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Gomti                 | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Sai                   | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Upper Ganga           | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
| 4  | Ghaghra    | Lower Ghaghra         | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Middle Ghaghra        | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
|    |            | Upper Ghaghra         | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
| 5  | Ramganga   | Ramganga              | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
| 6  | Rapti      | Rapti                 | M.Dry                                       | DRY | M.Dry | DRY | M.Dry | DRY |
| 7. | Sharda     | Sharda                | M.Dry                                       | DRY | M.Dry | DRY | DRY   | DRY |

|                           |                 |          |               |              |              |               |                |
|---------------------------|-----------------|----------|---------------|--------------|--------------|---------------|----------------|
| <b>QPF in Ranges (mm)</b> | <b>UNLISTED</b> | <b>0</b> | <b>0.1-10</b> | <b>11-25</b> | <b>26-50</b> | <b>51-100</b> | <b>&gt;100</b> |
|---------------------------|-----------------|----------|---------------|--------------|--------------|---------------|----------------|

### III. HEAVY RAINFALL WARNING:

| NAME OF BASIN | NAME OF SUB-BASIN    | Day-1 |   | Day-2 |   | Day-3 |   |
|---------------|----------------------|-------|---|-------|---|-------|---|
|               |                      | I     | D | I     | D | I     | D |
| Alaknanda     | Alaknanda            |       |   |       |   |       |   |
| Bhagirathi    | Bhagirathi           |       |   |       |   |       |   |
| Ganga         | Chhatnag to Mirzapur |       |   |       |   |       |   |
|               | Narora to Phaphamau  |       |   |       |   |       |   |
|               | Phaphamau to Ballia  |       |   |       |   |       |   |
|               | Gomti                |       |   |       |   |       |   |
|               | Sai                  |       |   |       |   |       |   |
|               | Upper Ganga          |       |   |       |   |       |   |
| Ghaghra       | Lower Ghaghra        |       |   |       |   |       |   |
|               | Middle Ghaghra       |       |   |       |   |       |   |
|               | Upper Ghaghra        |       |   |       |   |       |   |
| Ramganga      | Ramganga             |       |   |       |   |       |   |
| Rapti         | Rapti                |       |   |       |   |       |   |
| Sharda        | Sharda               |       |   |       |   |       |   |

| Spatial Distribution of Rainfall |                   |                                                         |
|----------------------------------|-------------------|---------------------------------------------------------|
| DRY                              | Dry               | No Station reported rainfall                            |
| ISOL                             | One or two Places | 25% or less number of stations recorded rainfall 2.5 mm |
| SCT                              | At a few Places   | 26%-50% number of stations recorded rainfall 2.5 mm     |
| FWS                              | At many Places    | 51%-75% number of stations recorded rainfall 2.5 mm     |
| WS                               | At most places    | 76%-100% number of stations recorded rainfall 2.5 mm    |

| Intensity of Rainfall |                              |                                                                                                                                                                                                        |    |                     |          |
|-----------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|----------|
| M.Dry                 | NIL                          | 0 cm                                                                                                                                                                                                   | VL | Very Light Rainfall | Trace    |
| L                     | Light Rainfall               | Upto 1 cm                                                                                                                                                                                              | M  | Moderate rainfall   | 02-06 cm |
| H                     | Heavy rainfall               | 07-11 cm                                                                                                                                                                                               | VH | Very Heavy rainfall | 12-20 cm |
| EH                    | Extremely Heavy rainfall     | 21 cm or More                                                                                                                                                                                          |    |                     |          |
| ExH                   | Exceptionally Heavy Rainfall | When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm |    |                     |          |

#### IV. PROBABILISTIC FORECAST

| S. No. | BASIN NAME | SUBBASIN CODE/NAME   | Day-1  |           |          |          |           |         | Day-2  |           |          |          |           |         | Day-3  |           |          |          |           |         |
|--------|------------|----------------------|--------|-----------|----------|----------|-----------|---------|--------|-----------|----------|----------|-----------|---------|--------|-----------|----------|----------|-----------|---------|
|        |            |                      | 0 mm   | 0.1-10 mm | 11-25 mm | 26-50 mm | 51-100 mm | >100 mm | 0 mm   | 0.1-10 mm | 11-25 mm | 26-50 mm | 51-100 mm | >100 mm | 0 mm   | 0.1-10 mm | 11-25 mm | 26-50 mm | 51-100 mm | >100 mm |
| 1      | Alaknanda  | Alaknanda            | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
| 2      | Bhagirathi | Bhagirathi           | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
| 3      | Ganga      | Chhatnag to Mirzapur | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Narora to Phaphamau  | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Phaphamau to ballia  | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Gomti                | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Sai                  | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Upper Ganga          | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
| 4      | Ghaghra    | Lower Ghaghra        | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Middle Ghaghra       | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
|        |            | Upper Ghaghra        | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
| 5      | Ramganga   | Ramganga             | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
| 6      | Rapti      | Rapti                | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |
| 7.     | Sharda     | Sharda               | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         | 75-100 |           |          |          |           |         |

|                               |     |      |       |       |        |
|-------------------------------|-----|------|-------|-------|--------|
| Probability of occurrence (%) | 0-5 | 5-25 | 25-50 | 50-75 | 75-100 |
|-------------------------------|-----|------|-------|-------|--------|

## 2. Summary of flood situation as per CWC flood forecasting network

### Flood Situation on 30 OCTOBER, 2020



Note - No Station is in flood situation Dated 30.10.2020

## 2.1 Rainfall Situation

Amount of rainfall recorded at 8:30 hours IST of today ( $\geq 50$  mm or more)

| Name of Place (State) | Rainfall (in mm) |
|-----------------------|------------------|
| NIL                   |                  |
|                       |                  |

Note - No Station is in this situation Dated 30.10.2020

## 2.2 LEVEL FORECAST

| LEVEL FORECAST                                                                                       |                                                                                                      |                          |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------|
| S.No.                                                                                                | Flood Situations                                                                                     | No. of Forecasting Sites |
| A.                                                                                                   | <b>Extreme Flood Situation:</b>                                                                      |                          |
|                                                                                                      | (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalized)                     | 0                        |
| B.                                                                                                   | <b>Severe Flood Situation :</b>                                                                      |                          |
|                                                                                                      | (Site(s) where water Level touching or exceeding the Danger Level but below Highest Flood Level(HFL) | 0                        |
| C.                                                                                                   | <b>Above Normal Flood Situation:</b>                                                                 |                          |
|                                                                                                      | (Site (s) where water level touching or exceeding the warning Level but below Danger Level)          | 0                        |
| Total Numbers of Sites above Warning Level (A+B+C)                                                   |                                                                                                      | 0                        |
|                                                                                                      |                                                                                                      |                          |
| INFLOW FORECAST                                                                                      |                                                                                                      |                          |
| Number of Sites for which inflow forecasts issued:                                                   |                                                                                                      | 0                        |
| (Where inflow are equal or exceed the specified Threshold Limit for a particular reservoir/ barrage) |                                                                                                      | 0                        |

### 2.3 Above Normal (Water Level touching or exceeding the warning Level but below Danger Level)

| Name of river | Flood Forecasting Sites | District | State | Danger Level(m) | Warning Level (m) | Previous Highest |      | Actual Level |      |       | Forecast  |      |      |       |
|---------------|-------------------------|----------|-------|-----------------|-------------------|------------------|------|--------------|------|-------|-----------|------|------|-------|
|               |                         |          |       |                 |                   | Level (m)        | year | Level (m)    | Time | Trend | Level (m) | Date | Time | Trend |
|               |                         |          |       |                 |                   |                  |      |              |      |       |           |      |      |       |
|               |                         |          |       |                 |                   |                  |      |              |      |       |           |      |      |       |

Note - No Station is in this situation Dated 30.10.2020

### 2.4 Severe Flood Situation (Water Level touching or exceeding the Danger Level but below Highest Flood Level (HFL))

| Name of river | Flood Forecasting Sites | District | State | Danger Level(m) | Warning Level (m) | Previous Highest |      | Actual Level |      |       | Forecast  |      |      |       |
|---------------|-------------------------|----------|-------|-----------------|-------------------|------------------|------|--------------|------|-------|-----------|------|------|-------|
|               |                         |          |       |                 |                   | Level(m)         | Date | Level(m)     | Time | Trend | Level (m) | Date | Time | Trend |
|               |                         |          |       |                 |                   |                  |      |              |      |       |           |      |      |       |
|               |                         |          |       |                 |                   |                  |      |              |      |       |           |      |      |       |

Note - No Station is in this situation Dated 30.10.2020

## 2.5 Extreme Flood Situation (Water Level exceeded or equalized Highest Flood Level (HFL))

| Name of river | Flood Forecasting Sites | District | State | Danger Level(m) | Warning Level (m) | Previous Highest |      | Actual Level |      |       | Forecast  |      |      |       |
|---------------|-------------------------|----------|-------|-----------------|-------------------|------------------|------|--------------|------|-------|-----------|------|------|-------|
|               |                         |          |       |                 |                   | Level(m)         | Date | Level(m)     | Time | Trend | Level (m) | Date | Time | Trend |
|               |                         |          |       |                 |                   |                  |      |              |      |       |           |      |      |       |

Note - No Station is in this situation Dated 30.10.2020

## 2.6 Inflow Forecast

| Name of river | Flood Forecasting Sites | District | State | HFL(m) | FRL(m) | Previous Highest |      | Actual Level  |      |       | Forecast |      |      |       |
|---------------|-------------------------|----------|-------|--------|--------|------------------|------|---------------|------|-------|----------|------|------|-------|
|               |                         |          |       |        |        | Discharge (Q)    | Date | Discharge (Q) | Time | Trend | D (Q)    | Date | Time | Trend |
|               |                         |          |       |        |        |                  |      |               |      |       |          |      |      |       |
|               |                         |          |       |        |        |                  |      |               |      |       |          |      |      |       |

Note - No Station is in this situation Dated 30.10.2020

### **Advisory on Hydro Meteorological Situation Expected from 31-10-2020 to 01-11-2020**

As per rainfall pattern given in section II, Alaknanda, Bhagirathi & Ganga river basins are expected to receive nil rain in next 48 hrs. Ghaghara, Rapti, Ramganga, & Sharda river basins are expected to receive nil rain in next 48 hours. Water level at most of CWC stations are expected to steady/fall in next 48 hours. Level forecast will be issued if the level of river at stations are likely to touch or cross warning level. From the given QPF, Normal situation is expected in CWC river basins.

अधिशालसीअभियंता

मध्य गंगा मण्डल -1 लखनऊ