



# Flood Bulletin, 2024

Government of Odisha

## Department of Water Resources

Volume No.23

Date: 23.06.24

Time: 14:00Hr



## Contents

- |                         |                      |
|-------------------------|----------------------|
| • Status of River Gauge | • River Discharge    |
| • Status of Reservoirs  | • Rainfall Situation |
| • IMD Weather Bulletin  | • IMD Forecast       |

## Flood Cell

Office of the Engineer-in-Chief, Water Resources, Odisha

Secha Sadan, Bhubaneswar

Tel: 0674-2395951, 2395953 e-Mail: [floodcelleicwr@gmail.com](mailto:floodcelleicwr@gmail.com)

url: [dowr.odisha.gov.in](http://dowr.odisha.gov.in) & [dowrodisha.gov.in](http://dowrodisha.gov.in)

## Status of Gauge (in m)

| Name of River | Gauge Site          | Danger Level (DL) | Warning Level | Time (Hrs) | Present Level | Trend | (wrt DL) | Highest Recorded Level |          |
|---------------|---------------------|-------------------|---------------|------------|---------------|-------|----------|------------------------|----------|
|               |                     |                   |               |            |               |       |          | Level                  | Date     |
| Mahanadi      | Khairmal            | 109.0             | 108.0         | 12:00      | NR            | -     | -        | 108.31                 | 19.09.08 |
|               | Tikarpara           | -                 | -             | 09:00      | 54.4          | S     | -        | 74.98                  | 30.08.82 |
|               | Naraj (IB)          | 26.41             | 25.41         | 12:00      | 21.63         | S     | -4.78    | 27.60                  | 31.08.82 |
| Kusabhadra    | Nimapara            | 10.76             | 9.85          | 12:00      | 3.08          | S     | -7.68    | 11.60                  | 31.08.82 |
| Devi          | Alipingala          | 11.76             | 10.85         | 12:00      | 1.70          | S     | -10.1    | 13.05                  | 20.09.08 |
| Brahmani      | Panposh             | 178.42            | 177.51        | 12:00      | 171.37        | S     | -7.05    | 181.44                 | 24.09.11 |
|               | Rengali             | 88.0              | -             | 08:00      | 77.0          | S     | -11      | 92.25                  | 18.08.75 |
|               | Talcher             | 62.91             | -             | 12:00      | 53.28         | S     | -9.63    | 65.53                  | 19.08.75 |
|               | Jenapur             | 23.0              | 22.0          | 12:00      | 18.2          | S     | -4.8     | 24.78                  | 20.08.75 |
|               | Indupur             | 8.23              | -             | 12:00      | NR            | -     | -        | -                      | -        |
| Baitarani     | Champua             | 376.41            | 375.33        | 12:00      | 371.0         | S     | -5.41    | 379.06                 | 23.09.11 |
|               | Swampatna           | 311.1             | -             | 12:00      | NR            | -     | -        | 315.66                 | 14.08.75 |
|               | Anandapur           | 38.36             | 37.44         | 12:00      | 31.82         | R     | -6.54    | 41.35                  | 23.09.11 |
|               | Akhuapada           | 18.33             | 17.83         | 12:00      | 14.76         | S     | -3.57    | 21.95                  | 16.08.60 |
| Budhabalanga  | Chandanpur          | -                 | -             | 12:00      | NR            | -     | -        | 85.80                  | 09.11.95 |
|               | Baripada            | 30.92             | 29.7          | 09:00      | 21.24         | S     | -9.68    | 34.82                  | 13.10.13 |
|               | Balimundali         | -                 | -             | 09:00      | 35.98         | S     | -        | 42.20                  | 1995     |
|               | NH5-Govindapur      | 8.13              | 7.21          | 09:00      | 0.38          | R     | -7.75    | 9.67                   | 12.10.73 |
| Subarnarekha  | Jamshedpur          | 123.5             | 122.5         | 12:00      | NR            | -     | -        | 129.82                 | 12.10.73 |
|               | Jamsolaghat         | 49.16             | 48.32         | 09:00      | 43.6          | S     | -        | 56.91                  | 03.09.78 |
|               | Rajghat             | 10.36             | 9.45          | 09:00      | 3.21          | S     | -5.56    | 12.69                  | 19.06.08 |
| Jalaka        | Mathani Road Bridge | 6.50              | 6.0           | 08:00      | 4.26          | S     | -7.15    | 7.31                   | 22.09.21 |
| Rushikulya    | Sorada              | 81.99             | 80.99         | 12:00      | NR            | -     | -2.24    | 83.21                  | 04.11.90 |
|               | Madhabarida         | 60.65             | -             | 12:00      | NR            | -     | -        | 61.44                  | 18.10.99 |
|               | Purusottampur       | 16.84             | 15.84         | 12:00      | 11.29         | S     | -        | 19.60                  | 04.11.90 |
| Vansadhara    | Gudari              | -                 | -             | 12:00      | 114.01        | S     | -5.55    | 121.82                 | 17.09.80 |
|               | Gunupur             | 84.0              | 83.0          | 12:00      | 79.87         | S     |          | 88.75                  | 17.09.80 |
|               | Kashinagar          | 54.6              | 54.1          | 12:00      | 52.03         | S     | -4.13    | 58.93                  | 18.09.80 |

## Status of Major Reservoirs

| Name of the Reservoir               | Name of the District | Dead Storage Level | FRL/ MWL                  | Reservoir Level | LS Available/ Live Storage Capacity (%)        | Last Year (2023) R.L/ Live Storage Avl (%) | Inflow          | Total Outflow   | Gates Open (Nos)/ Trend |
|-------------------------------------|----------------------|--------------------|---------------------------|-----------------|------------------------------------------------|--------------------------------------------|-----------------|-----------------|-------------------------|
| 1.Hirakud<br>12:00Hr                | Sambalpur            | 590.0 ft           | 630.0ft                   | 600.33 ft       | <u>728.0 Mcum</u><br>4822.8Mcum<br>(15.1%)     | <u>600.56 ft</u><br>15.5%                  | 3364.0<br>Cusec | 859.0<br>Cusec  | 0/98<br>Rising          |
| 2.Rengali<br>06:00Hr                | Angul                | 109.72 m           | <u>123.5 m</u><br>125.4 m | 110.47 m.       | <u>10725.0Ham</u><br>341371.0 Ham<br>(3.14%)   | <u>110.54 m</u><br>3.4%                    | 7.31<br>Cumec   | 157.80<br>Cumec | 0/27<br>Falling         |
| 3.U. Indravati<br>08:00Hr           | Nabrangpur           | 625.0 m            | <u>642 m</u><br>643 m     | 627.47 m.       | <u>15560.0 Ham</u><br>148550.0 Ham<br>(10.5%)  | <u>629.98 m</u><br>22.4%                   | 36.64<br>cumec  | 36.64<br>Cumec  | 0/12<br>Constant        |
| 4.UpperKolab<br>08:00Hr             | Koraput              | 844.0 m            | 858.0 m                   | 849.47 m.       | <u>250.81 Mcum</u><br>935.0 Mcum<br>(26.82%)   | <u>849.28 m</u><br>25.8%                   | 10.516<br>Cumec | 28.61<br>Cumec  | 0/11<br>Falling         |
| 5.Balimela<br>08:00Hr               | Malkangiri           | 1440.0 ft          | <u>1516 ft</u><br>1518 ft | 1454.00 ft      | <u>31291.0 Ham</u><br>267600.0 Ham<br>(11.69%) | <u>1451.0 ft</u><br>11.7%                  | 2713.0<br>Cusec | 5572.0<br>Cusec | 0/12<br>Falling         |
| 6.Machhkund<br>(Jalaput)<br>08:00Hr | Malkangiri           | 2685.0 ft          | 2750.0 ft                 | 2697.55 ft      | <u>7339.87 Ham</u><br>89254.7 Ham<br>(8.2%)    | <u>2702.05 ft</u><br>12.1%                 | 623.95<br>Cusec | 769.21<br>Cusec | 0/12<br>Falling         |
| 7.Salandi<br>06:00Hr                | Keonjhar             | 50.24 m            | <u>82.3 m</u><br>83.21m   | 72.20 m.        | <u>26545.0 Ham</u><br>55650.0 Ham<br>(47.7%)   | <u>71.46 m</u><br>44.6%                    | 1.98<br>Cumec   | 1.98<br>Cumec   | 0/11<br>Constant        |
| 8.LowerIndra<br>08:00Hr             | Nuapada              | 251.0 m            | <u>265 m</u><br>265 m     | 261.04 m.       | <u>18696.7 Ham</u><br>31425.2 Ham<br>(59.5%)   | <u>260.3 m</u><br>51.8%                    | 3.93<br>cumec   | 1.3<br>Cumec    | 0/09<br>Rising          |

**Note:** Total Outflow consists of Irrigation, Spillway, Sluice, Power generation, Industrial & other supply and Evaporation loss \*U Indravati-7 gates, Muran Dam-5 gates (Total-12 Nos)

## Average Inflow into & Outflow from Reservoir

| Reservoir | Inflow       | Outflow      | Observation Period                               |
|-----------|--------------|--------------|--------------------------------------------------|
| Hirakud   | 1239.0 Cusec | 1968.0 Cusec | During last 24 Hrs ending 08:00Hrs of 23.06.2024 |
| Rengali   | 7.31 Cumec   | 157.8 Cumec  | During last 24 Hrs ending 06:00Hrs of 23.06.2024 |

## Travel Time of Flow in Mahanadi River

|                |           |          |           |        |           |         |
|----------------|-----------|----------|-----------|--------|-----------|---------|
| Hirakud<br>Dam | 115 km    | Khairmal | 106 km    | Barmul | 95 km     | Mundali |
|                | 12-18 Hrs |          | 12-16 Hrs |        | 12-16 Hrs |         |

## River Discharge

| Name of the River                         | G&D Site       | Time (Hrs) | Discharge (cusec) |
|-------------------------------------------|----------------|------------|-------------------|
| <b>Mahanadi<br/>(Up Stream Hirakud)</b>   | Champa         | 12:00      | BG                |
|                                           | Tarapur        | 12:00      | BG                |
|                                           | Saradihi       | 12:00      | BG                |
|                                           | Kalma          | 12:00      | NR                |
|                                           | Deogaon        | 12:00      | BG                |
| <b>Mahanadi<br/>(Down Stream Hirakud)</b> | Khairmal       | 12:00      | 8,500             |
|                                           | Barmul         | 12:00      | 16,500            |
|                                           | Mundali        | 12:00      | BG                |
| <b>Tel</b>                                | Patharla       | 12:00      | 13,940            |
| <b>Baitarani</b>                          | NH-5 Akhuapada | 12:00      | NR                |
| <b>Brahmani</b>                           | Pankapal       | 12:00      | NR                |
| <b>Subarnarekha</b>                       | Rajghat        | 12:00      | NR                |
| <b>Rushikulya</b>                         | Purusottampur  | 12:00      | NR                |

## Status of Medium Reservoir

| Sl. | Name of Dam / Reservoir | Available Live Storage (%) (Gates Open) | Sl. | Name of Dam / Reservoir | Available Live Storage (%) (Gates Open) | Sl. | Name of Dam / Reservoir | Available Live Storage (%) (Gates Open) |
|-----|-------------------------|-----------------------------------------|-----|-------------------------|-----------------------------------------|-----|-------------------------|-----------------------------------------|
| 1.  | Badanalla               | 35.2%                                   | 17. | Harabhangi              | 0.0%                                    | 33. | Ret                     | 24.5%                                   |
| 2.  | Baghalati               | 4.1%                                    | 18. | Harihorjore             | 21.7%                                   | 34. | Rukura                  | 55.2%                                   |
| 3.  | Baghua                  | 12.9%                                   | 19. | Jambira*                | 5.4%                                    | 35. | Saipala                 | 0.0%                                    |
| 4.  | Bankabahal              | 4.2%                                    | 20. | Jharbandh*              | 0.4%                                    | 36. | Salia*                  | 41.6%                                   |
| 5.  | Bhanjanagar             | 26.3%                                   | 21. | Kalo                    | 45.1%                                   | 37. | Sapua*                  | 73.8%                                   |
| 6.  | Bhaskel*                | 6.6%                                    | 22. | Kanjhari                | 25.7%                                   | 38. | Saraphgarh              | 17.4%                                   |
| 7.  | Budhabudhiani           | 35.6%                                   | 23. | Kansabahal              | 37.8%                                   | 39. | Satiguda*               | 10.6%                                   |
| 8.  | Dadarghati*             | 55.2%                                   | 24. | Khadkhai                | 42.5%                                   | 40. | Soroda*                 | 13.3%                                   |
| 9.  | Daha                    | 22.6%                                   | 25. | Kuanria                 | 13.9%                                   | 41. | Sunder                  | 11.6%                                   |
| 10. | Deo                     | 54.1%                                   | 26. | Mandira                 | 48.1%                                   | 42. | Sunei                   | 35.2%                                   |
| 11. | Derjang                 | 41.4%                                   | 27. | Manjore                 | 27.4%                                   | 43. | Talsara                 | 56.0%                                   |
| 12. | Dhanei*                 | 24.2%                                   | 28. | Nesa*                   | 35.3%                                   | 44. | Telengiri               | 15.8%                                   |
| 13. | Dumberbahal             | 2.1%                                    | 29. | Pilasalki*              | 12.4%                                   | 45. | Titlagarh               | 12.5%                                   |
| 14. | Ghodahada               | 3.5%                                    | 30. | Pitamahal*              | 52.6%                                   | 46. | Upper Jonk              | 0.0%                                    |
| 15. | Gohira                  | 5.8%                                    | 31. | Ramial                  | 23.6%                                   | 47. | Upper Suktel*           | 0.0%                                    |
| 16. | Haladia                 | 31.6%                                   | 32. | Remal                   | 38.0%                                   |     |                         |                                         |

Note: \*Un-gated Dams (13 Nos.)

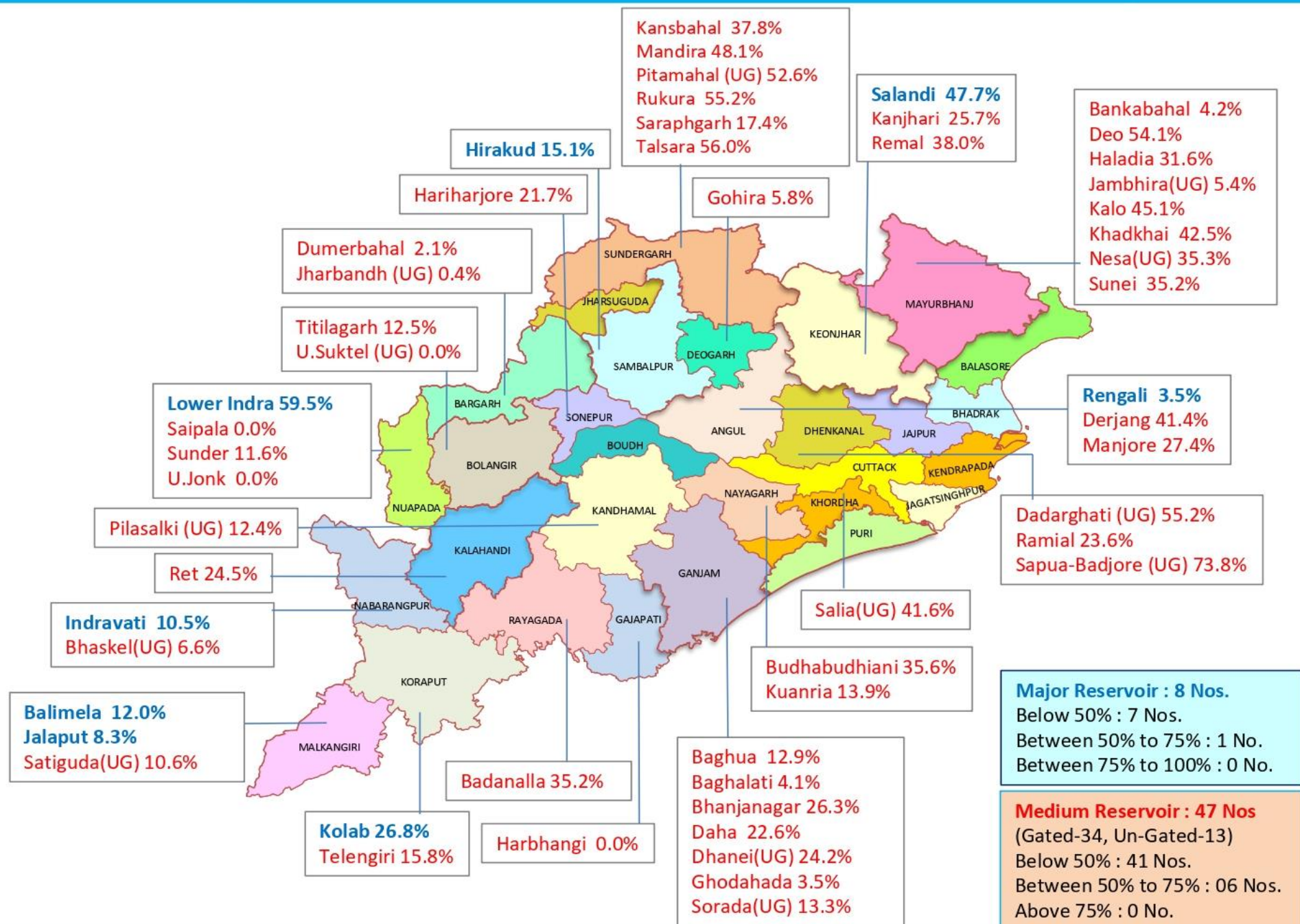
Above 75%   
Above 90% 

**Medium Reservoir: 47 Nos.**

(Gated-34, Un-Gated-13),

Below 50%: 41 Nos., Between 50% to 75%: 06 Nos., Above 75%: 0 Nos.

# AVAILABLE LIVE STORAGE CAPACITY OF MAJOR & MEDIUM RESERVOIRS (23.06.2024)



# MAJOR & MEDIUM RESERVOIRS , G & D SITES IN ODISHA



भारत सरकार

भारत मौसम विज्ञान विभाग

(पृथ्वी विज्ञान मंत्रालय)

पता : मौसम विज्ञान केन्द्र, भुवनेश्वर

फोन न. २५९६०१० & २५९६११६

फैक्स न. २५९६०१० & २५९६०९३



GOVERNMENT OF INDIA

INDIA METEOROLOGICAL DEPARTMENT

(Ministry of Earth Sciences)

METEOROLOGICAL CENTRE

BIJUPATNAIK AIRPORT

BHUBANESWAR-751020

TELE: 2596010 & 2596116

FAX : 2596010 & 2596093

E-MAIL : imdbbsr@ori.nic.in

Ref No: FM/HM Bulletin/23

Dated: 23/06/2024

Time of Issue: 1300 hrs IST

### HYDROMET BULLETIN

#### 1) Synoptic Situation

- ❖ The Southwest Monsoon has advanced into some more parts of Arabian Sea, Gujarat state; remaining parts of Maharashtra; some more parts of Madhya Pradesh & Chhattisgarh; remaining parts of Odisha and some parts of Jharkhand.
- ❖ Northern Limit of Monsoon continues to pass through 20.5°N/60°E, 20.5°N/63°E, 20.5°N/70°E, Veraval, Rajpipla, Ujjain, Vidisha, Siddhi, Chaibasa, Haldia, Pakur, Sahibganj and Raxaul.
- ❖ The east-west trough now runs from above cyclonic circulation over central Rajasthan to south Chhattisgarh across Madhya Pradesh and extends upto 0.9 km above mean sea level.
- ❖ The cyclonic circulation over interior Odisha adjoining Chhattisgarh now lies over south Chhattisgarh between 1.5 & 7.6 km above mean sea level tilting southwestwards with height.

#### a) River Sub-basin-wise Quantitative Precipitation Forecast (QPF)

| S. No. | Basin Name     | Sub-basin Name | QPF (mm)            |                     |                     |                     |                     |                     |                     |
|--------|----------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |                |                | Day-1<br>(23.06.24) | Day-2<br>(24.06.24) | Day-3<br>(25.06.24) | Day-4<br>(26.06.24) | Day-5<br>(27.06.24) | Day-6<br>(28.06.24) | Day-7<br>(29.06.24) |
| 1      | BAITRANI       | BT             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 2      | LOWER BRAHMANI | LB             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 3      | UPPER BRAHMANI | UB             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 4      | BHURABALANG    | BB             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 5      | LOWER MAHANADI | LM             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 6      | NAGAVALI       | NV             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 7      | RUSHIKULIYA    | RK             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 8      | SUBERNAREKHA   | SR             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 9      | UPPER MAHANADI | UM             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |
| 10     | VAMSDHARA      | VD             | 0.1-10              | 0.1-10              | 0.1-10              | 11-25               | 11-25               | 11-25               | 0.1-10              |

| PF categories (mm) | 0 | 0.1-10 | 11-25 | 26-37 | 38-50 | 51-75 | 76-100 | >100 |
|--------------------|---|--------|-------|-------|-------|-------|--------|------|
|--------------------|---|--------|-------|-------|-------|-------|--------|------|

## 2b) River Sub-basin-wise Intensity and Distribution of QPF

| S. No | Basin Name     | Sub-basin Name | Intensity (I) and Spatial Distribution (D) |     |                     |      |                     |     |                     |     |                     |     |                     |     |                     |     |
|-------|----------------|----------------|--------------------------------------------|-----|---------------------|------|---------------------|-----|---------------------|-----|---------------------|-----|---------------------|-----|---------------------|-----|
|       |                |                | Day-1<br>(23.06.24)                        |     | Day-2<br>(24.06.24) |      | Day-3<br>(25.06.24) |     | Day-4<br>(26.06.24) |     | Day-5<br>(27.06.24) |     | Day-6<br>(28.06.24) |     | Day-7<br>(29.06.24) |     |
|       |                |                | I                                          | D   | I                   | D    | I                   | D   | I                   | D   | I                   | D   |                     |     |                     |     |
| 1     | BAITRANI       | BT             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 2     | LOWER BRAHMANI | LB             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 3     | UPPER BRAHMANI | UB             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 4     | BHURABALANG    | BB             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 5     | LOWER MAHANADI | LM             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 6     | NAGAVALI       | NV             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 7     | RUSHIKULIYA    | RK             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 8     | SUBERNAREKHA   | SR             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 9     | UPPER MAHANADI | UM             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |
| 10    | VAMSDHARA      | VD             | L                                          | SCT | L                   | ISOL | L                   | SCT | M                   | FWS | M                   | FWS | M                   | FWS | L                   | SCT |

| Spatial Distribution |                   |                                                         |
|----------------------|-------------------|---------------------------------------------------------|
| 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 |                              |                                                                                                                                                                                                         |    |                     |
|-----------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|
| M.Dry     | NIL                          | 0 cm                                                                                                                                                                                                    | VL | Very Light Rainfall |
| L         | Light Rainfall               | Upto 1 cm                                                                                                                                                                                               | M  | Moderate Rainfall   |
| H         | Heavy Rainfall               | 7-11 cm                                                                                                                                                                                                 | VH | Very Heavy rainfall |
| 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. |    |                     |

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

### 3) River Sub-basin-wise Heavy Rainfall Warning

| S. No | Basin Name     | Sub-basin Name | Day-1<br>(23.06.24) |     | Day-2<br>(24.06.24) |     | Day-3<br>(25.06.24) |     | Day-4<br>(26.06.24) |      | Day-5<br>(27.06.24) |      | Day-6<br>(28.06.24) |     | Day-7<br>(29.06.24) |     |
|-------|----------------|----------------|---------------------|-----|---------------------|-----|---------------------|-----|---------------------|------|---------------------|------|---------------------|-----|---------------------|-----|
|       |                |                | I                   | D   | I                   | D   | I                   | D   | I                   | D    | I                   | D    | I                   | D   | I                   | D   |
| 1     | BAITRANI       | BT             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL  | NIL                 | NIL  | NIL                 | NIL | NIL                 | NIL |
| 2     | LOWER BRAHMANI | LB             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL  | NIL                 | NIL  | NIL                 | NIL | NIL                 | NIL |
| 3     | UPPER BRAHMANI | UB             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | H                   | ISOL | NIL                 | NIL  | NIL                 | NIL | NIL                 | NIL |
| 4     | BHURABALANG    | BB             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL  | NIL                 | NIL  | NIL                 | NIL | NIL                 | NIL |
| 5     | LOWER MAHANADI | LM             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | H                   | ISOL | H                   | ISOL | NIL                 | NIL | NIL                 | NIL |
| 6     | NAGAVALI       | NV             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | H                   | ISOL | H                   | ISOL | NIL                 | NIL | NIL                 | NIL |
| 7     | RUSHIKULIYA    | RK             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | H                   | ISOL | H                   | ISOL | NIL                 | NIL | NIL                 | NIL |
| 8     | SUBERNAREKHA   | SR             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL  | NIL                 | NIL  | NIL                 | NIL | NIL                 | NIL |
| 9     | UPPER MAHANADI | UM             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL  | NIL                 | NIL  | NIL                 | NIL | NIL                 | NIL |
| 10    | VAMSDHARA      | VD             | NIL                 | NIL | NIL                 | NIL | NIL                 | NIL | H                   | ISOL | H                   | ISOL | NIL                 | NIL | NIL                 | NIL |

#### Spatial Distribution

|      |                   |                                                         |
|------|-------------------|---------------------------------------------------------|
| 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

|       |                              |                                                                                                                                                                                                         |    |                     |          |
|-------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|----------|
| M.Dry | NIL                          | 0 cm                                                                                                                                                                                                    | VL | Very Light Rainfall | Trace    |
| L     | Light Rainfall               | Upto 1 cm                                                                                                                                                                                               | M  | Moderate Rainfall   | 2-6 cm   |
| H     | Heavy Rainfall               | 7-11 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. |    |                     |          |

4) River Sub-basin-wise Probabilistic QPF

| Basin Name     | Sub-basin Name | QPF Probability (%)                       |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
|----------------|----------------|-------------------------------------------|--------|-------|-------|--------|------|-------------------------------------------|--------|-------|-------|--------|------|-------------------------------------------|--------|-------|-------|--------|------|-------------------------------------------|--------|-------|-------|--------|------|-------------------------------------------|--------|-------|-------|--------|------|-------------------------------------------|--------|-------|-------|--------|------|-------------------------------------------|--|--|--|--|
|                |                | Day-1<br>(23.06.2024)<br>(QPF categories) |        |       |       |        |      | Day-2<br>(24.06.2024)<br>(QPF categories) |        |       |       |        |      | Day-3<br>(25.06.2024)<br>(QPF categories) |        |       |       |        |      | Day-4<br>(26.06.2024)<br>(QPF categories) |        |       |       |        |      | Day-5<br>(27.06.2024)<br>(QPF categories) |        |       |       |        |      | Day-6<br>(28.06.2024)<br>(QPF categories) |        |       |       |        |      | Day-7<br>(29.06.2024)<br>(QPF categories) |  |  |  |  |
|                |                | 0                                         | 0.1-10 | 11-25 | 26-50 | 51-100 | >100 | 0                                         | 0.1-10 | 11-25 | 26-50 | 51-100 | >100 | 0                                         | 0.1-10 | 11-25 | 26-50 | 51-100 | >100 | 0                                         | 0.1-10 | 11-25 | 26-50 | 51-100 | >100 | 0                                         | 0.1-10 | 11-25 | 26-50 | 51-100 | >100 | 0                                         | 0.1-10 | 11-25 | 26-50 | 51-100 | >100 |                                           |  |  |  |  |
| BAITRANI       | B T            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| LOWER BRAHMANI | L B            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| UPPER BRAHMANI | U B            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| BHURABALANG    | B B            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| LOWER MAHANADI | L M            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| NAGAVALI       | N V            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| RUSHIKULIYA    | R K            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| SUBERNAREKHA   | S R            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| UPPER MAHANADI | U M            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |
| VAMSDHARA      | V D            |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |        |       |       |        |      |                                           |  |  |  |  |

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

5) Station-wise significant rainfall recorded at 0830 hrs IST of today

| S.<br>NO<br>. | NAME OF SUB-BASIN | NAME OF STATION AND RAINFALL ( ≥45 MM. ) |
|---------------|-------------------|------------------------------------------|
|---------------|-------------------|------------------------------------------|

|   |                       |                                                                      |
|---|-----------------------|----------------------------------------------------------------------|
| 1 | <b>LOWER MAHANADI</b> | ARMPUR(64.8),PHULBANI(51.4),KUJANGA(51),TIKABALI(47),PHIRINGIA(45.2) |
| 2 | <b>BAITRANI</b>       | KARANJIA(48)                                                         |
| 3 | <b>RUSHIKULIYA</b>    | BHANJANAGAR(50.1)                                                    |

**6) River Sub-basin-wise observed Average Areal Precipitation (AAP) of today**

| <b>S. No.</b> | <b>Basin Name</b>     | <b>Sub-basin Name</b> | <b>AAP (mm)</b> |
|---------------|-----------------------|-----------------------|-----------------|
| <b>1</b>      | <b>BAITRANI</b>       | <b>BT</b>             | <b>5.1</b>      |
| <b>2</b>      | <b>LOWER BRAHMANI</b> | <b>LB</b>             | 4.9             |
| <b>3</b>      | <b>UPPER BRAHMANI</b> | <b>UB</b>             | 4.1             |
| <b>4</b>      | <b>BHURABALANG</b>    | <b>BB</b>             | 1.3             |
| <b>5</b>      | <b>LOWER MAHANADI</b> | <b>LM</b>             | 5.2             |
| <b>6</b>      | <b>NAGAVALI</b>       | <b>NV</b>             | 6.8             |
| <b>7</b>      | <b>RUSHIKULIYA</b>    | <b>RK</b>             | 9.4             |
| <b>8</b>      | <b>SUBERNAREKHA</b>   | <b>SR</b>             | 2.5             |
| <b>9</b>      | <b>UPPER MAHANADI</b> | <b>UM</b>             | 7.1             |
| <b>10</b>     | <b>VAMSDHARA</b>      | <b>VD</b>             | 3.8             |

(DUTY OFFICER)  
for Scientist-F & Head  
FLOOD MET.OFFICE  
M.C Bhubaneswar

| SI No          | Name of Stations | Rainfall (in mm) | SI No          | Name of Stations | Rainfall (in mm) | SI No          | Name of Stations  | Rainfall (in mm) | SI No          | Name of Stations   | Rainfall (in mm) |
|----------------|------------------|------------------|----------------|------------------|------------------|----------------|-------------------|------------------|----------------|--------------------|------------------|
| UPPER MAHANADI |                  |                  | UPPER MAHANADI |                  |                  | LOWER MAHANADI |                   |                  | LOWER MAHANADI |                    |                  |
| 1              | AMBABHONA        | 2.0              | 72             | PATHALGAON       | 0.0              | 1              | SATYABADI         | 11.0             | 72             | TIKARAPARA         | 16.4             |
| 2              | ANDHIARKHOR      | 4.8              | 73             | JASHPURNAGAR     | 1.8              | 2              | DERABIS           | 6.0              | 73             | TITLA GARH (IMD)   | 0.0              |
| 3              | BAIKUNTHAPUR     | 0.0              | 74             | Bodla            | 20.9             | 3              | JHARBANDH         | 0.0              | 74             | KOKSARA            | 0.0              |
| 4              | BAMNIDIHI        | 41.8             | 75             | Sahaspurlohara   | 2.8              | 4              | GAISILETE         | 0.0              | 75             | TUREIKELA          | 0.0              |
| 5              | BANGODAM         | NR               | 76             | Pandaria         | 4.2              | 5              | PHIRINGIA         | 45.2             | 76             | KALAMPUR           | 0.0              |
| 6              | BARAGAON         | 0.0              | 77             | KAWARDHA         | 2.4              | 6              | ALIPINGAL         | 15.0             | 77             | SINAPALI           | 2.0              |
| 7              | BASANTAPUR       | 18.8             | 78             | Charama          | 0.0              | 7              | ARMPUR            | 64.8             | 78             | BODEN              | 2.0              |
| 8              | BORANDA          | 4.0              | 79             | Nerharpur        | 0.0              | 8              | ATHAGARH          | 0.0              | 79             | LOISINGHA          | 0.0              |
| 9              | DEOGAON (IRRI)   | 3.0              | 80             | Poudi Uparora    | 0.0              | 9              | ATHAMALIK         | 7.3              | 80             | TIRTOL             | 20.0             |
| 10             | DEOGAON (CWC)    | 0.0              | 81             | Kartala          | 14.5             | 10             | BALIGUDA          | 0.0              | 81             | SAINTALA           | 0.0              |
| 11             | DHARAMJAYGARH    | NR               | 82             | PALI             | 32.0             | 11             | BANPUR            | 0.0              | 82             | NARLA              | 0.0              |
| 12             | GHATORA          | 9.8              | 83             | KATGHORA         | 0.0              | 12             | BARGARH           | 1.8              | 83             | AGALPUR            | 0.0              |
| 13             | HEMGIRI          | 19.6             | 84             | Sonhat           | 4.5              | 13             | BARMUL            | 16.2             | 84             | RAIKIA             | 2.0              |
| 14             | JAMADARPALLI     | NR               | 85             | Khadgava         | 0.0              | 14             | BELGAON           | 0.0              | 85             | B.M.PUR            | 0.0              |
| 15             | JAMANKIRA        | 0.0              | 86             | Pithora          | 4.3              | 15             | BHAWANIPATNA(IMD) | 0.0              | 86             | BARPALI            | 0.0              |
| 16             | JHARSUGUDA (IMD) | 14.2             | 87             | Bagbahara        | 1.5              | 16             | BHUBANESWAR (IMD) | 0.2              | 87             | ATTABIRA           | 40.0             |
| 17             | KORBA            | 0.0              | 88             | Basana           | 0.0              | 17             | BIJEPUR           | 0.0              | 88             | BHATALI            | 6.0              |
| 18             | KUCHINDA         | 2.2              | 89             | MAHASAMUND       | 0.0              | 18             | BINIKA            | 0.0              | 89             | TH. RAMPUR         | 0.0              |
| 19             | KURUBHATTA       | 8.2              | 90             | SARAIPALI        | 0.0              | 19             | BOLANGIR (IMD)    | 13.5             | 90             | GUDVELA            | 0.0              |
| 20             | KELO             | NR               | 91             | Patharia         | 25.0             | 20             | BOUDA GARH        | 0.0              | 91             | DEOGAON            | 2.0              |
| 21             | MANENDRAGARH     | 0.0              | 92             | Lormi            | 32.5             | 21             | BURLA (CWC)       | 0.0              | 92             | BANGAMUNDA         | 0.0              |
| 22             | MAHULPALI        | 8.2              | 93             | MUNGELI          | 22.0             | 22             | BURLA (IRRI)      | 5.7              | 93             | BIRIDI             | 25.2             |
| 23             | NAWAPARA         | 5.0              | 94             | Kharsiya         | 19.6             | 23             | CUTTACK (IMD)     | 0.0              | 94             | NAUGAON            | 2.0              |
| 24             | LAIKERA          | 24.0             | 95             | Lailunga         | 0.0              | 24             | CHILIKA           | 0.0              | 95             | GOLAMUNDA          | 0.0              |
| 25             | Gundardehi       | 0.4              | 96             | Pusaur           | 2.4              | 25             | DASHPALLA         | 3.0              | 96             | CHAKAPAD           | 19.2             |
| 26             | Doundi           | 1.5              | 97             | Baramkela        | 6.2              | 26             | DUNGURIPALI       | 0.0              | 97             | KHAJURIPADA        | 36.0             |
| 27             | Gurur            | 0.0              | 98             | Tamnar           | 2.1              | 27             | GOP               | 0.0              | 98             | MOHAKALAPADA       | 22.0             |
| 28             | DONDILOHARA      | 16.3             | 99             | SARANGARH        | 1.7              | 28             | HARABHANGA        | 0.0              | 99             | JATNI              | 0.0              |
| 29             | BALOD            | 5.3              | 100            | RAIGARH          | 0.9              | 29             | HIRAKUD (IMD)     | 14.8             | 100            | BEGUNIA            | 0.0              |
| 30             | PALLARI/PALARI   | 4.6              | 101            | GHARGHODA        | 0.0              | 30             | JAIPATNA          | 0.0              | 101            | BHAPUR             | 0.0              |
| 31             | BALODA BAZAR     | 24.0             | 102            | MANA-RAIPUR-AP   | 2.4              | 31             | JUNAGARH          | 0.0              | 102            | DHANKAUDA          | 0.0              |
| 32             | Kasdole          | 15.8             | 103            | ARANG            | 0.1              | 32             | KAKATPUR          | 0.0              | 103            | JAGATSINGHPUR(PTO) | 9.2              |
| 33             | Bilaigarh        | 15.7             | 104            | Tilda            | 6.0              | 33             | KALINGA           | 10.0             | 104            | KHORDHA(PTO)       | 25.0             |
| 34             | Bhatapara        | 20.0             | 105            | Abhanpur         | 0.0              | 34             | KANAS             | NR               | 105            | CHANDAHANDI        | 0.0              |
| 35             | Darbha           | 28.8             | 106            | Chhuikhadan      | 12.4             | 35             | KANTAMAL (BDO)    | 0.0              | 106            | JHORIGAM           | 0.0              |
| 36             | Saja             | 1.0              | 107            | Khairagarh       | 1.7              | 36             | KANTAMAL (CWC)    | 0.2              | 107            | DHARMAGARH         | 0.0              |
| 37             | Berla            | 11.3             | 108            | Chhuria          | 12.4             | 37             | KENDRAPARA        | 4.0              | 108            | BELPADA            | 0.0              |
| 38             | Nawagarh         | 5.2              | 109            | RAJNANDGAON      | 5.4              | 38             | KENDRAPARA (PTO)  | 0.0              | 109            | KHAPRAKHOL         | 0.0              |
| 39             | Than Khamaria    | 4.0              | 110            | DONGARGARH       | 11.0             | 39             | KESINGA           | 0.0              | 110            | TARVA              | 0.0              |
| 40             | BEMETARA         | 3.7              | 111            | DONGARGAON       | 0.2              | 40             | KHANDAPADA* (BDO) | 0.0              | 111            | K NUAGAON          | 0.0              |
| 41             | Masturi          | 25.2             | 112            | GANDAI           | 0.0              | 41             | KHANDAPADA (CWC)  | NR               | 112            | JUJUMURA           | 1.3              |
| 42             | Bilha            | 12.2             | 113            | AMBAGARH CHOWKI  | 3.2              | 42             | KHARIAR           | 0.0              | 113            | ULLUNDA            | 0.0              |
| 43             | Kota             | 13.2             | 114            | Premnagar        | 5.0              | 43             | KHAIRMAL (IRR)    | 0.0              | 114            | KARLAMUNDA         | 0.0              |
| 44             | Takhatpur        | 22.1             | 115            | Ramanujnagar     | 7.1              | 44             | KHAIRAMAL (CWC)   | NR               | 115            | BOLAGARH           | 0.0              |
| 45             | BILASPUR         | 16.0             | 116            | Batoli           | 1.5              | 45             | KOMNA             | 0.0              | 116            | GANIA              | 0.0              |
| 46             | Kurud            | 0.7              | 117            | Sitapur          | 1.5              | 46             | M. RAMPUR         | 0.0              | 117            | BANKI              | 0.0              |
| 47             | Nagari           | 0.0              | 118            | Lundra           | 2.3              | 47             | MUNDALI           | 8.6              | 118            | TIGIRIA            | NR               |
| 48             | Magarlod         | 0.4              | 119            | KOLABIRA         | 8.2              | 48             | NARAJ             | 2.2              | 119            | ASTARANGA          | 1.0              |
| 49             | DHAMTARI         | 0.0              | 120            | PARMANPUR        | 7.8              | 49             | NARASINGHPUR      | NR               | 120            | BRAHMAGIRI         | 0.0              |
| 50             | Patan            | 0.0              | 121            | PENDRA RD (CWC)  | 0.0              | 50             | NAYAGARH          | 5.0              | 121            | KRISHNAPRASAD      | 0.0              |
| 51             | Dhamdha          | 12.0             | 122            | RAIPUR(IMD)      | 0.2              | 51             | NIMAPARA          | 9.0              | 122            | KANTAPADA          | 12.0             |
| 52             | DURG             | 21.0             | 123            | RAIPUR (CWC)     | 5.2              | 52             | PADAMPUR          | 0.0              | 123            | MAHANGA            | 0.0              |
| 53             | DEOBHOG          | 0.0              | 124            | RAJIM            | 0.0              | 53             | PADMABATI         | 0.0              | 124            | NIALI              | NR               |
| 54             | GARIABUND        | 3.4              | 125            | RAMPUR           | 21.4             | 54             | PAIKAMAL          | 0.0              | 125            | NISCHINTAKOILI     | NR               |
| 55             | Chhura           | 0.0              | 126            | SANKARA          | 0.2              | 55             | PARADEEP (IMD)    | 4.8              | 126            | SALEPUR            | NR               |
| 56             | Mainpur          | 0.0              | 127            | SEORINARAYAN     | 39.8             | 56             | G.UDAYGIRI        | 3.6              | 127            | BALIKUDA           | 0.0              |
| 57             | Akaltara         | 8.8              | 128            | SIMGA            | 2.2              | 57             | PATNA GARH        | 0.0              | 128            | RAGHUNATHPUR       | 18.0             |
| 58             | Pamgarh          | 13.9             | 129            | SUNDERGARH (IMD) | 0.0              | 58             | PATAMUNDAI        | 0.0              | 129            | GARADAPUR          | 4.0              |
| 59             | Baloda           | 7.2              | 130            | SUND-RH (CWC)    | NR               | 59             | PHULBANI (IMD)    | 51.4             | 130            | MARSAGHAI          | 4.0              |
| 60             | Jaijaipur        | 23.5             | 131            | SURAJGARH        | NR               | 60             | PHULBANI (CWC)    | NR               | 131            | BALIPATNA          | 0.0              |
| 61             | Malkharoda       | 4.2              | 132            | THETTANG         | 0.0              | 61             | PIPLI             | 0.0              | 132            | KUJANGA            | 51.0             |
| 62             | Dhabhara         | 10.0             | 133            | GOPALPUR         | NR               | 62             | PURI (IMD)        | 7.0              | 133            | NUAUGAON           | 4.0              |
| 63             | SAKTI            | 34.9             | 134            | ZONDRA           | NR               | 63             | RAIRAKHOL         | 0.0              | 134            | ODAGAON            | 0.0              |
| 64             | JANUGIR          | 36.7             | 135            | BALISANKRA       | 0.0              | 64             | R.K NAGAR         | 0.0              | 135            | BASANA             | 0.0              |
| 65             | CHAMPA           | 11.3             | 136            | BAMRA            | 0.0              | 65             | RANPUR            | 0.0              | 136            | DEOBHOG            | 0.0              |
| 66             | Manora           | 0.0              | 137            | LEPHRIPARA       | 0.0              | 66             | SALBHATTA         | 0.0              |                |                    |                  |
| 67             | Bagicha          | 7.5              | 138            | KUTRA            | 0.0              | 67             | SAMBALPUR (IMD)   | 0.0              |                |                    |                  |
| 68             | Duldula          | 0.0              | 139            | TANGARPALI       | 0.0              | 68             | SOHELA            | 0.0              |                |                    |                  |
| 69             | Kunkuri          | 2.0              | 140            | KIRMIRA          | 14.0             | 69             | SONEPUR           | 0.0              |                |                    |                  |
| 70             | Kansabel         | 0.0              | 141            | LAKHANPUR        | 0.0              | 70             | TANGI             | 0.0              |                |                    |                  |
| 71             | Tapkara          | 0.0              |                |                  |                  | 71             | TIKABALI          | 47.0             |                |                    |                  |
|                |                  |                  |                |                  |                  |                |                   |                  |                |                    |                  |

**Date:-23.06.2024**

Source:-Met Centre Bhubaneswar

## BLOCKWISE RAINFALL FOR PAST 24 HRS ENDING AT 0830 HRS OF DATE

Date:23.06.24

| SI No       | Name of Stations | Rainfall (in mm) | SI No             | Name of Stations | Rainfall (in mm) | SI No          | Name of Stations | Rainfall (in mm) | SI No           | Name of Stations      | Rainfall (in mm) | SI No          | Name of Stations | Rainfall (in mm) |
|-------------|------------------|------------------|-------------------|------------------|------------------|----------------|------------------|------------------|-----------------|-----------------------|------------------|----------------|------------------|------------------|
| 1. ANGUL    |                  |                  | 8. DEOGARH        |                  |                  | 21. MALKANGIRI |                  |                  | 27. RAYAGADA    |                       |                  |                |                  |                  |
| 1           | Angul            | 10.0             | 1                 | Barkote          | 0.0              | 4              | Madanpur Rampur  | 0.0              | 1               | Malkangiri            | 48.2             | 1              | Rayagada         | 24.4             |
| 2           | Banarpal         | 0.0              | 2                 | Deogarh          | 0.0              | 5              | Narla            | 0.0              | 2               | Mathili               | 38.0             | 2              | Kolnara          | 4.2              |
| 3           | Chhendipada      | 10.4             | 3                 | Reamal           | 0.0              | 6              | Lanjigarh        | 1.4              | 3               | Khoirput              | 25.0             | 3              | Kalyansingpur    | 0.0              |
| 4           | Talcher          | 6.0              | Avg               |                  | 0.0              | 7              | Thuamul Rampur   | 0.0              | 4               | Chitrakonda (K.Gumma) | 8.0              | 4              | Kashipur         | 0.0              |
| 5           | Kaniha           | 10.4             | 9. DHENKANAL      |                  |                  | 8              | Dharmagarh       | 0.0              | 5               | Korukonda             | 25.0             | 5              | Gunupur          | 22.0             |
| 6           | Athamalik        | 7.3              | 1                 | Dhenkanal        | 0.0              | 9              | Junagarh         | 0.0              | 6               | Kalimela              | 12.2             | 6              | Padmapur         | 0.0              |
| 7           | Kishorenagar     | 0.0              | 2                 | Gondia           | 0.0              | 10             | Kalampur         | 0.0              | 7               | Podia                 | 0.0              | 7              | Gudari           | 0.0              |
| 8           | Pallahara        | 0.0              | 3                 | Odapada          | 2.0              | 11             | Jayapatna        | 0.0              | Avg             |                       | 22.3             | 8              | Ramanaguda       | 0.0              |
| Avg         |                  | 5.5              | 4                 | Hindol           | 0.0              | 12             | Kokasara         | 0.0              | 22. MAYURBHANJ  |                       |                  | 9              | Bissam Cuttack   | 2.2              |
| 2. BALASORE |                  |                  | 5                 | Kamakhyanagar    | 0.0              | 13             | Golamunda        | 0.0              | 1               | Samakhunta            | 0.0              | 10             | Muniguda         | 0.0              |
| 1           | Bhograi          | 0.0              | 6                 | Bhuban           | 0.0              | Avg            |                  |                  | 2               | Badasahi              | 0.0              | 11             | Chandrapur       | 0.0              |
| 2           | Basta            | 0.0              | 7                 | Parjang          | 5.0              | 16. KANDHAMAL  |                  |                  | 3               | Betanati              | 0.0              | Avg            |                  | 4.8              |
| 3           | Jaleswar         | 0.0              | 8                 | Kankadahad       | 0.0              | 1              | Baliguda         | 0.0              | 4               | Morda                 | 0.0              | 28. SAMBALPUR  |                  |                  |
| 4           | Baliapal         | 0.0              | Avg               |                  | 0.9              | 2              | Chakapad         | 19.2             | 5               | Rasgovindapur         | 0.0              | 1              | Jujumura         | 1.3              |
| 5           | Balasore         | 0.0              | 10. GAJAPATI      |                  |                  | 3              | Daringibadi      | 11.0             | 6               | Kuliana               | 0.0              | 2              | Dhankauda        | 0.0              |
| 6           | Remuna           | 0.0              | 1                 | Kasinagar        | 0.0              | 4              | G.Udayagiri      | 3.6              | 7               | Sarasakana            | 0.0              | 3              | Rengali          | 33.8             |
| 7           | Nilagiri         | 0.0              | 2                 | Paralakhemundi   | 0.0              | 5              | Khajuripada      | 36.0             | 8               | Sulipada              | 0.0              | 4              | Maneswar         | 20.4             |
| 8           | Soro             | 0.0              | 3                 | Rayagada         | 0.0              | 6              | Kotagarh         | 0.0              | 9               | Bangriposi            | 0.0              | 5              | Kuchinda         | 2.2              |
| 9           | Bahanaga         | 0.0              | 4                 | Gumma            | 3.0              | 7              | Nuagaon          | 0.0              | 10              | Baripada              | 0.0              | 6              | Jamankira        | 0.0              |
| 10          | Simulia          | 0.0              | 5                 | Nuagada          | 1.2              | 8              | Phiringia        | 45.2             | 11              | Khunta                | 0.0              | 7              | Bamra            | 0.0              |
| 11          | Khaira           | 4.0              | 6                 | R.Udaygiri       | 0.0              | 9              | Phulbani         | 51.4             | 12              | Gopabandhunagar       | 0.0              | 8              | Rairakhol        | 0.0              |
| 12          | Oupada           | 0.0              | 7                 | Mohana           | 26.8             | 10             | Raikia           | 29.0             | 13              | Udala                 | 0.0              | 9              | Naktideul        | 0.0              |
| Avg         |                  | 0.3              | 8                 | Gosani           | 2.0              | 11             | Tikabali         | 47.0             | 14              | Kaptipada             | 0.0              | Avg            |                  | 6.4              |
| 3. BARGARH  |                  |                  | Avg               |                  | 4.1              | 12             | Tumudibandh      | 0.0              | 15              | Besoi                 | 0.0              | 29. SUBARNAPUR |                  |                  |
| 1           | Ambabbona        | 2.0              | 11. GANJAM        |                  |                  | 17. KENDRAPARA |                  |                  | 16              | Bijatata              | 0.0              | 1              | Sonepur          | 0.0              |
| 2           | Attabira         | 40.0             | 1                 | Chhatrapur       | 0.0              | 1              | Kendrapara       | 4.0              | 17              | Rairangapur           | 0.0              | 2              | Binika           | 0.0              |
| 3           | Bargarh          | 1.8              | 2                 | Ganjam           | 0.0              | 2              | Derabis          | 6.0              | 18              | Kusumi                | 0.0              | 3              | Tarbha           | 0.0              |
| 4           | Barpali          | 0.0              | 3                 | Purusottampur    | 7.0              | 3              | Marshaghai       | 4.0              | 19              | Jamda                 | 25.0             | 4              | Dunguripali      | 0.0              |
| 5           | Bhatli           | 6.0              | 4                 | Kabisuryanagar   | 0.0              | 4              | Mohakalpara      | 22.0             | 20              | Bahalda               | 6.2              | 5              | Birmaharajpur    | 0.0              |
| 6           | Bheden           | 0.0              | 5                 | Polasara         | 0.0              | 5              | Garadapur        | 4.0              | 21              | Tiring                | 0.0              | 6              | Ullunda          | 0.0              |
| 7           | Bijepur          | 0.0              | 6                 | Kodala           | 15.0             | 6              | Pattamundai      | 0.0              | 22              | Joshipur              | 0.0              | Avg            |                  | 0.0              |
| 8           | Gaisilet         | 0.0              | 7                 | Khalikot         | 4.0              | 7              | Aul              | 2.0              | 23              | Karanja               | 48.0             | 30. SUNDARGARH |                  |                  |
| 9           | Jharbandh        | 0.0              | 8                 | Hinjilicut       | 0.0              | 8              | Rajnagar         | 15.0             | 24              | Thakurmunda           | 12.0             | 1              | Hemgir           | 19.6             |
| 10          | Padampur         | 0.0              | 9                 | Rangeilunda      | 0.0              | 9              | Rajkanika        | 10.0             | 25              | Sukuruli              | 2.2              | 2              | Lephripara       | 0.0              |
| 11          | Paikmal          | 0.0              | 10                | Kukudakhandi     | 0.0              | Avg            |                  | 7.44             | 26              | Raruana               | 2.0              | 3              | Tangarpali       | 0.0              |
| 12          | Sohela           | 0.0              | 11                | Chikiti          | 3.0              | 18. KEONJHAR   |                  |                  | Avg             |                       | 3.7              | 4              | Sundargarh       | 0.0              |
| Avg         |                  | 4.2              | 12                | Patrapur         | 0.0              | 1              | Keonjhar         | 0.0              | 23.NAWARANGHPUR |                       |                  | 5              | Subdega          | 0.0              |
| 4. BHADRAK  |                  |                  | 13                | Sanakhemundi     | 21.0             | 2              | Banspal          | 9.2              | 1               | Nawarangpur           | 32.0             | 6              | Balisankara      | 0.0              |
| 1           | Bhadrak          | 0.0              | 14                | Digapahandi      | 0.0              | 3              | Telkoi           | 27.8             | 2               | Nandahandi            | 0.0              | 7              | Bargaon          | 0.0              |
| 2           | Bhandaripokhari  | 0.0              | 15                | Bhanjanagar      | 50.1             | 4              | Patna            | 0.0              | 3               | Tentulikhunti         | 56.0             | 8              | Kutra            | 0.0              |
| 3           | Basudevvpur      | 0.0              | 16                | Belaguntha       | 32.2             | 5              | Saharpada        | 22.2             | 4               | Papadahandi           | 2.0              | 9              | Rajgangpur       | 0.0              |
| 4           | Bonth            | 0.0              | 17                | Jagannathprasad  | 9.0              | 6              | Ghatgaon         | 0.0              | 5               | Kosagumuda            | 0.0              | 10             | Kuarmunda        | 4.2              |
| 5           | Chandbali        | 7.0              | 18                | Buguda           | 0.0              | 7              | Harichandanpur   | 0.0              | 6               | Dabugaon              | 2.2              | 11             | Nuagaon          | 0.0              |
| 6           | Dhamnagar        | 0.0              | 19                | Aska             | 0.0              | 8              | Anandapur        | 0.0              | 7               | Umerkote              | 4.2              | 12             | Bisra            | 6.1              |
| 7           | Tihidi           | 0.0              | 20                | Dharakote        | 15.0             | 9              | Ghasipura        | 0.0              | 8               | Raighar               | 0.0              | 13             | Lathikata        | 14.0             |
| Avg         |                  | 1.0              | 21                | Sheragada        | 0.0              | 10             | Hatadihi         | 0.0              | 9               | Jharigaon             | 0.0              | 14             | Bonai            | 4.0              |
| 5. BALANGIR |                  |                  | 22                | Sorada           | 7.0              | 11             | Champua          | 0.0              | 10              | Chandahandi           | 0.0              | 15             | Lahunipara       | 2.0              |
| 1           | Balangir         | 13.5             | Avg               |                  | 7.4              | 12             | Joda             | 6.0              | Avg             |                       | 9.6              | 16             | Gurundia         | 0.0              |
| 2           | Puintala         | 1.0              | 12. JAGATSINGHPUR |                  |                  | 13             | Jhumpura         | 0.0              | 24. NAYAGARH    |                       |                  | 17             | Koira            | 4.2              |
| 3           | Gudvella         | 0.0              | 1                 | Jagatsinghpur    | 22.0             | Avg            |                  | 5.0              | 1               | Bhapur                | 0.0              | Avg            |                  | 3.2              |
| 4           | Duduka           | 0.0              | 2                 | Biridi           | 25.2             | 19. KHORDHA    |                  |                  | 2               | Daspalla              | 3.0              | 25. NUAPADA    |                  |                  |
| 5           | Deogaon          | 2.0              | 3                 | Raghunathpur     | 18.0             | 1              | Balianta         | 0.0              | 3               | Gania                 | 0.0              | 1              | Boden            | 2.0              |
| 6           | Loisingha        | 0.0              | 4                 | Balikuda         | 0.0              | 2              | Balipatna        | 0.0              | 4               | Khandapara            | 0.0              | 2              | Khariar          | 0.0              |
| 7           | Patnagarh        | 0.0              | 5                 | Naugaon          | 2.0              | 3              | Bhubaneswar      | 0.0              | 5               | Nayagarh              | 3.6              | 3              | Komna            | 0.0              |
| 8           | Belpada          | 0.0              | 6                 | Tirtol           | 20.0             | 4              | Jatani           | 0.0              | 6               | Nuagaon               | 4.0              | 4              | Nuapada          | 5.0              |
| 9           | Khaprakhol       | 0.0              | 7                 | Kujanga          | 51.0             | 5              | Banapur          | 0.0              | 7               | Odagaon               | 0.0              | 5              | Sinapali         | 2.0              |
| 10          | Titilagarh       | 0.0              | 8                 | Erasama          | 31.0             | 6              | Begunia          | 0.0              | Avg             |                       | 1.3              | 26. PURI       |                  |                  |
| 11          | Tureikela        | 0.0              | Avg               |                  | 21.2             | 7              | Bolagarh         | 0.0              | 1               | Astarang              | 1.0              | 2              | Brahmagiri       | 0.0              |
| 12          | Bangomunda       | 0.0              | 13. JAJPUR        |                  |                  | 8              | Chilika          | 0.0              | 3               | Delang                | 0.0              | 3              | Gop              | 0.0              |
| 13          | Muribahal        | 0.0              | 1                 | Jajpur           | 0.0              | 9              | Khordha          | 0.0              | 4               | Kakatpur              | 0.0              | 5              | Kanaspur         | 0.0              |
| 14          | Saintala         | 0.0              | 2                 | Binjharpur       | 0.0              | 10             | Tangi            | 0.0              | 6               | Kanas                 | 0.0              | 7              | Krushnaprasad    | 0.0              |
| Avg         |                  | 1.2              | 3                 | Dasarathpur      | 0.0              | Avg            |                  | 0.0              | 8               | Nimapara              | 6.0              | 9              | Pipili           | 0.0              |
| 6. BOUDH    |                  |                  | 4                 | Korei            | 0.0              | 20. KORAPUT    |                  |                  | 10              | Puri                  | 15.0             | 11             | Satyabadi        | 11.0             |
| 1           | Boudh            | 0.0              | 5                 | Danagadi         | 0.0              | 1              | Koraput          | 0.4              | Avg             |                       | 1.8              | 27. PURI       |                  |                  |
| 2           | Kantamal         | 0.0              | 6                 | Sukinda          | 0.0              | 2              | Lamataput        | 0.0              | 1               | Astarang              | 1.0              | 2              | Brahmagiri       | 0.0              |
| 3           | Harabhanga       | 0.0              | 7                 | Rasulpur         | 0.0              | 3              | Pottangi         | 0.0              | 3               | Delang                | 0.0              | 3              | Gop              | 0.0              |
| Avg         |                  | 0.0              | 8                 | Dharmasala       | 0.0              | 4              | Bandhugaon       | 2.0              | 4               | Kakatpur              | 0.0              | 5              | Kanaspur         | 0.0              |
| 7. CUTTACK  |                  |                  | 9                 | Badachana        | 0.0              | 5              | Nandapur         | 0.0              | 6               | Kanas                 | 0.0              | 7              | Krushnaprasad    | 0.0              |
| 1           | Athagarh         | 0.0              | 10                | Bari             | 0.0              | 6              | Dasmantpur       | 0.0              | 8               | Nimapara              | 6.0              | 9              | Pipili           | 0.0              |
| 2           | Banki-Dampada    | 0.0              | Avg               |                  | 0.0              | 7              | Narayanpatna     | 0.0              | 10              | Puri                  | 15.0             | 11             | Satyabadi        | 11.0             |
| 3           | Barang           | 0.0              | 14. JHARSUGUDA    |                  |                  | 8              | Laxmipur         | 0.0              | Avg             |                       | 3.0              | 28. PURI       |                  |                  |
| 4           | Badamba          | 0.0              | 1                 | Jharsuguda       | 7.0              | 9              | Similiguda       | 0.0              | 1               | Astarang              | 1.0              | 2              | Brahmagiri       | 0.0              |
| 5           | Cuttack Sadar    | 0.0              | 2                 | Kolabira         | 8.2              | 10             | Jeypore          | 0.0              | 3               | Delang                | 0.0              | 3              | Gop              | 0.0              |
| 6           | Kantapada        | 12.0             | 3                 | Laikera          | 24.0             | 11             | Kotpad           | 14.0             | 4               | Kakatpur              | 0.0              | 5              | Kanaspur         | 0.0              |
| 7           | Mahanga          | 0.0              | 4                 | Kirmira          | 14.0             | 12             | Kundra           | 0.0              | 6               | Kanas                 | 0.0              | 7              | Krushnaprasad    | 0.0              |
| 8           | Niali            | 14.0             | 5                 | Lakhanpur        | 0.0              | 13             | Kundra           | 0.0              | 8               | Nimapara              | 6.0              | 9              | Pipili           | 0.0              |
| 9           | Nischintakoili   | 4.0              | Avg               |                  | 10.6             | 14             | Borigumma        | 0.0              | 10              | Puri                  | 15.0             | 11             | Satyabadi        | 11.0             |
| 10          | Narasinghpur     | 0.0              | 15. KALAHANDI     |                  |                  | 14             | Boipariguda      | 0.0              | Avg             |                       | 3.0              | 29. PURI       |                  |                  |
| 11          | Salepur          | 6.0              | 1                 | Bhabanipatna     | 0.0              | Avg            |                  | 1.2              | 1               | Astarang              | 1.0              | 2              | Brahmagiri       | 0.0              |
| 12          | Tangi-Choudwar   | 0.0              | 2                 | Kesinga          | 0.0              |                |                  |                  | 3               | Delang                | 0.0              | 3              | Gop              | 0.0              |
| 13          | Tigiria          | 0.0              | 3                 | Karlamunda       | 0.0              |                |                  |                  | 4               | Kakatpur              | 0.0              | 5              | Kanaspur         | 0.0              |
| Avg         |                  | 2.8              |                   |                  |                  |                |                  |                  | 6               | Kanas                 | 0.0              | 7              | Krushnaprasad    | 0.0              |

Source:-SRC,Bhubaneswar