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जल शक्ति मंत्रालय  
Government of India  
Ministry of Jal Shakti

केंद्रीय जल आयोग  
के अंतर्गत  
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METEOROLOGICAL OBSERVATION STATIONS IN INDIA  
UNDER  
CENTRAL WATER COMMISSION  
(As on 01<sup>st</sup> January 2023)

केंद्रीय जल आयोग  
नई दिल्ली



(June, 2023)

CENTRAL WATER COMMISSION  
NEW DELHI





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Reliable Meteorological data can be transformed into useful information by skilled end-users, not just to study global warming in the long run, but also for mid- or short-term application, such as calculation of crop water needs, planning and management of hydrological resources, or renewable energies etc.

Central Water Commission (CWC) is the apex organization in the country dealing with collection and compilation of river discharge on rivers across India. There are 1543 hydrological observation (H.O.) sites, distributed among 14 regional offices headed by Chief Engineers. I hope this booklet would be found useful to data indenters and stakeholders, who are in the planning and development of Water Resources in the country.

CWC is observing selected Meteorological parameters at 1192 locations. In addition to the above, CWC observes Meteorological parameters exclusively at 81 locations. This data is being utilized by CWC for flood forecasts to issue advance warning to the state authorities during high flood situations besides planning and development of water resources projects in the country by various State Governments, Public Sector Undertakings and Research Institutions.

I would like to express my appreciation for work done by all field Chief Engineers, Sh. Davendra Pratap Mathuria, Chief Engineer (P&DO), and the work carried out by Shri Pankaj Kumar Sharma, Director of RDC-II Directorate, as well as the dedicated efforts of all officers of RDC-II Directorate in compiling & publishing this meta data book. I hope this book would prove to be useful by all officers of CWC, state governments and other Agencies involved in the planning and development of Water Resources in the country.





**Shri Davendra Pratap Mathuria**

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Central Water Commission (CWC) has been doing the publication on 'Meteorological observation stations in India under Central Water Commission since the last 10 years. Today, CWC has a well-established network of Meteorological observation stations, covering 1273 locations. Out of which, 1192 stations are already on existing hydrological observation stations and remaining 81 are exclusive Meteorological observation stations. Various Meteorological parameters such as sunshine, rainfall, wind velocity, evaporation, humidity etc. are observed at these stations, based on the defined guidelines of World Meteorological Organisation. The data thus collected by CWC, is being utilized for issuing flood forecasts and for issuing advance warning to the state authorities during high flood situation.

The first book containing the details of Meteorological observation stations in India under CWC was published in the year 2012. During that time, CWC was collecting Meteorological data from 852 H.O. stations and 76 exclusive Meteorological stations. The second edition of the same book was published in 2020, the third edition in 2021. The present 2023 edition is the fourth one in the series. In earlier publications, telemetry/sensor based Meteorological observation sites were also published in the Meteorological book. In this edition, only the manually observed stations have been included.

I am sure that this book shall be a very useful reference for diverse users, like, various Central Ministries and State Governments and their various line of departments, research Institutes involved in natural resources management in the country.

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A. **Abbreviation and Notations for Meteorological Observation Stations.**

In the table depicting details of Meteorological Observation Stations, the different columns indicate as under: -

1. Column No. 1 gives the serial number of sites.
2. Column No. 2 gives name of the site.
3. Column No. 3 gives name of the State / Union Territory.
4. Column No. 4 'District' indicates the name of the district in which the site is located.
5. Column No. 5 indicates the site type i.e HO (Hydrological Observation), FF (Flood Forecasting) and HOIW (Hydrological observation & Investigation works)
6. Column No. 6 indicates the name of the river / tributary / sub-tributary.
7. Column No. 7 indicates the Latitude(°N) of the site.
8. Column No. 8 indicates the Longitude(°E) of the site.
9. Column No. 9 indicates the type of Meteorological parameters (Met Para) measured at a station.

|            |                                                      |
|------------|------------------------------------------------------|
| <b>Rf</b>  | Rainfall                                             |
| <b>Mt</b>  | Max/Min Temperature or Air Temperature               |
| <b>Hu</b>  | Humidity                                             |
| <b>Ss</b>  | Sunshine                                             |
| <b>Pe</b>  | Pan-evaporation                                      |
| <b>Wv</b>  | Wind speed and Wind direction                        |
| <b>Ar</b>  | Automatic Raingauge/SRRF (Self recording rain gauge) |
| <b>Sf</b>  | Snow fall                                            |
| <b>FCS</b> | Full Climate station/Automatic weather station       |

10. Column No. 10 indicates the date of start of observation in the same order as mentioned under the 'Met Para' column.

## Station Code for Stations / Sites of different agencies for WIMS platform

1. 1<sup>st</sup> & 2<sup>nd</sup> position of code will be two alphabets representing Agency.

e.g., for Central Water Commission: CW

| S. NO                                   | Implementing Agency | Code |
|-----------------------------------------|---------------------|------|
| <b>Central agencies</b>                 |                     |      |
| 1                                       | CGWB                | CB   |
| 2                                       | CPCB                | CP   |
| 3                                       | CWPRS               | CS   |
| 4                                       | CWC                 | CW   |
| 5                                       | MOWR                | MO   |
| 6                                       | NIH                 | NI   |
| 7                                       | NRSC                | NR   |
| 8                                       | SOI                 | SO   |
| <b>Other agencies</b>                   |                     |      |
| 9                                       | BBMB                | BB   |
| 10                                      | DVC                 | DV   |
| <b>State / Union Territory agencies</b> |                     |      |
| 11                                      | Delhi               | DL   |
| 12                                      | Puducherry          | PY   |
| 13                                      | Andhra Pradesh      | AP   |
| 14                                      | Assam               | AS   |
| 15                                      | Bihar               | BR   |
| 16                                      | Chhattisgarh        | CG   |
| 17                                      | Goa                 | GA   |
| 18                                      | Gujarat             | GJ   |
| 19                                      | Himachal Pradesh    | HP   |
| 20                                      | Haryana             | HR   |
| 21                                      | Jharkhand           | JH   |
| 22                                      | Karnataka           | KA   |
| 23                                      | Kerala              | KL   |
| 24                                      | Maharashtra         | MH   |
| 25                                      | Meghalaya           | ML   |
| 26                                      | Manipur             | MN   |
| 27                                      | Madhya Pradesh      | MP   |
| 28                                      | Mizoram             | MZ   |
| 29                                      | Nagaland            | NL   |
| 30                                      | Odisha              | OD   |
| 31                                      | Punjab              | PB   |
| 32                                      | Rajasthan           | RJ   |
| 33                                      | Sikkim              | SK   |
| 34                                      | Tamil Nadu          | TN   |
| 35                                      | Tripura             | TR   |
| 36                                      | Telangana           | TS   |
| 37                                      | Uttar Pradesh       | UP   |
| 38                                      | Uttarakhand         | UK   |
| 39                                      | West Bengal         | WB   |

**2. 3<sup>rd</sup> position of code will be one letter representing type of station i. e Surface water, Ground Water & Telemetry (only).**

e.g. for Surface water station: 1

| Station type Name                                                  | Code |
|--------------------------------------------------------------------|------|
| Surface Water Station (Exclusive Manual)                           | 1    |
| Ground Water Station (Exclusive Manual)                            | 2    |
| Telemetry Surface water station (Exclusive )                       | 3    |
| Telemetry Ground Water Station (Exclusive )                        | 4    |
| Surface Water Meteorological and Hydrological Station both (Manual | 5    |
| Meteorological station (Exclusive )                                | 6    |
| Surface Water Station (Manual & Telemetry)                         | 7    |

**3. 4<sup>th</sup> to 6<sup>th</sup> position of code will be three alphabets representing River Sub Basin.**

e.g. For Yamuna Upper Sub Basin: YAU

| S. No | SBCODE | SUB-BASIN                                                  | S. No | SBCODE | SUB-BASIN                                                     |
|-------|--------|------------------------------------------------------------|-------|--------|---------------------------------------------------------------|
| 1     | ARA    | Above Ramganga Confluence Sub Basin                        | 34    | GDL    | Godavari Lower Sub Basin                                      |
| 2     | BAI    | Baitarni Sub Basin                                         | 35    | GDM    | Godavari Middle Sub Basin                                     |
| 3     | BAN    | Banas Sub Basin                                            | 36    | GDU    | Godavari Upper Sub Basin                                      |
| 4     | BAR    | Barak Sub Basin                                            | 37    | GOM    | Gomti Sub Basin                                               |
| 5     | BAM    | Barmer Sub Basin                                           | 38    | IMP    | Imphal and others Sub Basin                                   |
| 6     | BEA    | Beas Sub Basin                                             | 39    | IND    | Indravati Sub Basin                                           |
| 7     | BHA    | Bhadar and other west flowing rivers Sub Basin             | 40    | JHE    | Jhelum Sub Basin                                              |
| 8     | BHG    | Bhagirathi and others (Ganga Lower) Sub Basin              | 41    | KAS    | Kali Sindh and others up to Confluence with Parbati Sub Basin |
| 9     | BHT    | Bhatsol and others Sub Basin                               | 42    | KPO    | Karnaphuli and Others Sub Basin                               |
| 10    | BHL    | Bhima Lower Sub Basin                                      | 43    | KOS    | Kosi Sub Basin                                                |
| 11    | BHU    | Bhima Upper Sub Basin                                      | 44    | KRL    | Krishna Lower Sub Basin                                       |
| 12    | BRA    | Brahmani Sub Basin                                         | 45    | KRM    | Krishna Middle Sub Basin                                      |
| 13    | BRL    | Brahmaputra Lower Sub Basin                                | 46    | KRU    | Krishna Upper Sub Basin                                       |
| 14    | BRU    | Brahmaputra Upper Sub Basin                                | 47    | KYN    | Kynchiang and other south flowing rivers Sub Basin            |
| 15    | CAL    | Cauvery Lower Sub Basin                                    | 48    | LIN    | Lower Indus Sub Basin                                         |
| 16    | CAM    | Cauvery Middle Sub Basin                                   | 49    | LUL    | Luni Lower Sub Basin                                          |
| 17    | CAU    | Cauvery Upper Sub Basin                                    | 50    | LUU    | Luni Upper Sub Basin                                          |
| 18    | CHL    | Chambal Lower Sub Basin                                    | 51    | MAL    | Mahanadi Lower Sub Basin                                      |
| 19    | CHU    | Chambal Upper Sub Basin                                    | 52    | MAM    | Mahanadi Middle Sub Basin                                     |
| 20    | CHA    | Chautang and others Sub Basin                              | 53    | MAU    | Mahanadi Upper Sub Basin                                      |
| 21    | CHE    | Chenab Sub Basin                                           | 54    | MHL    | Mahi Lower Sub Basin                                          |
| 22    | CHR    | Churu Sub Basin                                            | 55    | MHU    | Mahi Upper Sub Basin                                          |
| 23    | DAM    | Damodar Sub Basin                                          | 56    | MEN    | Mengpui Lui and others Sub Basin                              |
| 24    | DAN    | Drainage Area of Andaman and Nicobar Islands Sub Basin     | 57    | MAJ    | Manjra Sub Basin                                              |
| 25    | DAL    | Drainage Area of Lakshadweep Islands Sub Basin             | 58    | MHO    | Muhury and Others Sub Basin                                   |
| 26    | RAN    | Drainage of Ran Sub Basin                                  | 59    | NAG    | Nagvati and other Sub Basin                                   |
| 27    | GTK    | East flowing rivers between Krishna and Godavari Sub Basin | 60    | NAO    | Naochchara and others Sub Basin                               |
| 28    | KTP    | East flowing rivers between Krishna And Pennar Sub Basin   | 61    | NAL    | Narmada Lower Sub Basin                                       |
| 29    | GAN    | Gandak and others Sub Basin                                | 62    | NAM    | Narmada Middle Sub Basin                                      |
| 30    | GHO    | Ghaghar and others Sub Basin                               | 63    | NAU    | Narmada Upper Sub Basin                                       |
| 31    | GHA    | Ghaghara Confluence to Gomti confluence Sub Basin          | 64    | NET    | Netravali and others Sub Basin                                |
| 32    | GHG    | Ghaghara Sub Basin                                         | 65    | PAL    | Palar and other Sub Basin                                     |
| 33    | GIL    | Gilgit Sub Basin                                           | 66    | PAM    | Pamba and others Sub Basin                                    |

| S. No | SBCODE | SUB-BASIN                                           | S. No | SBCODE | SUB-BASIN                                               |
|-------|--------|-----------------------------------------------------|-------|--------|---------------------------------------------------------|
| 67    | PEL    | Pennar Lower Sub Basin                              | 85    | TAL    | Tapi Lower Sub Basin                                    |
| 68    | PEU    | Pennar Upper Sub Basin                              | 86    | TAM    | Tapi Middle Sub Basin                                   |
| 69    | PAR    | Periyar and others Sub Basin                        | 87    | TAU    | Tapi Upper Sub Basin                                    |
| 70    | PON    | Ponnaiyar and other Sub Basin                       | 88    | TON    | Tons Sub Basin                                          |
| 71    | PRA    | Pranhita and others Sub Basin                       | 89    | TUL    | Tungabhadra Lower Sub Basin                             |
| 72    | RAM    | Ramganga Sub Basin                                  | 90    | TUU    | Tungabhadra Upper Sub Basin                             |
| 73    | RAV    | Ravi Sub Basin                                      | 91    | UIN    | Upper Indus Sub Basin                                   |
| 74    | SAL    | Sabarmati Lower Sub Basin                           | 92    | UGO    | Upstream of Gomti confluence to Muzaffarnagar Sub Basin |
| 75    | SAU    | Sabarmati Upper Sub Basin                           | 93    | VAI    | Vaippar and others Sub Basin                            |
| 76    | SAR    | Saraswati Sub Basin                                 | 94    | VAM    | Vamsadhara and other Sub Basin                          |
| 77    | SHK    | Shaksgam Sub Basin                                  | 95    | VAR    | Varrar and others Sub Basin                             |
| 78    | SHE    | Shetranjuli and other east flowing rivers Sub Basin | 96    | VAS    | Vasishtiand others Sub Basin                            |
| 79    | SHY    | Shyok Sub Basin                                     | 97    | WAR    | Wardha Sub Basin                                        |
| 80    | SON    | Sone Sub Basin                                      | 98    | WEI    | Wainganga-Pranhita Sub Basin                            |
| 81    | SUB    | Subarnarekha Sub Basin                              | 99    | YAL    | Yamuna Lower Sub Basin                                  |
| 82    | SUM    | Sulmar Sub Basin                                    | 100   | YAM    | Yamuna Middle Sub Basin                                 |
| 83    | SUL    | Sutlej Lower Sub Basin                              | 101   | YAU    | Yamuna Upper Sub Basin                                  |
| 84    | SUU    | Sutlej Upper Sub Basin                              |       |        |                                                         |

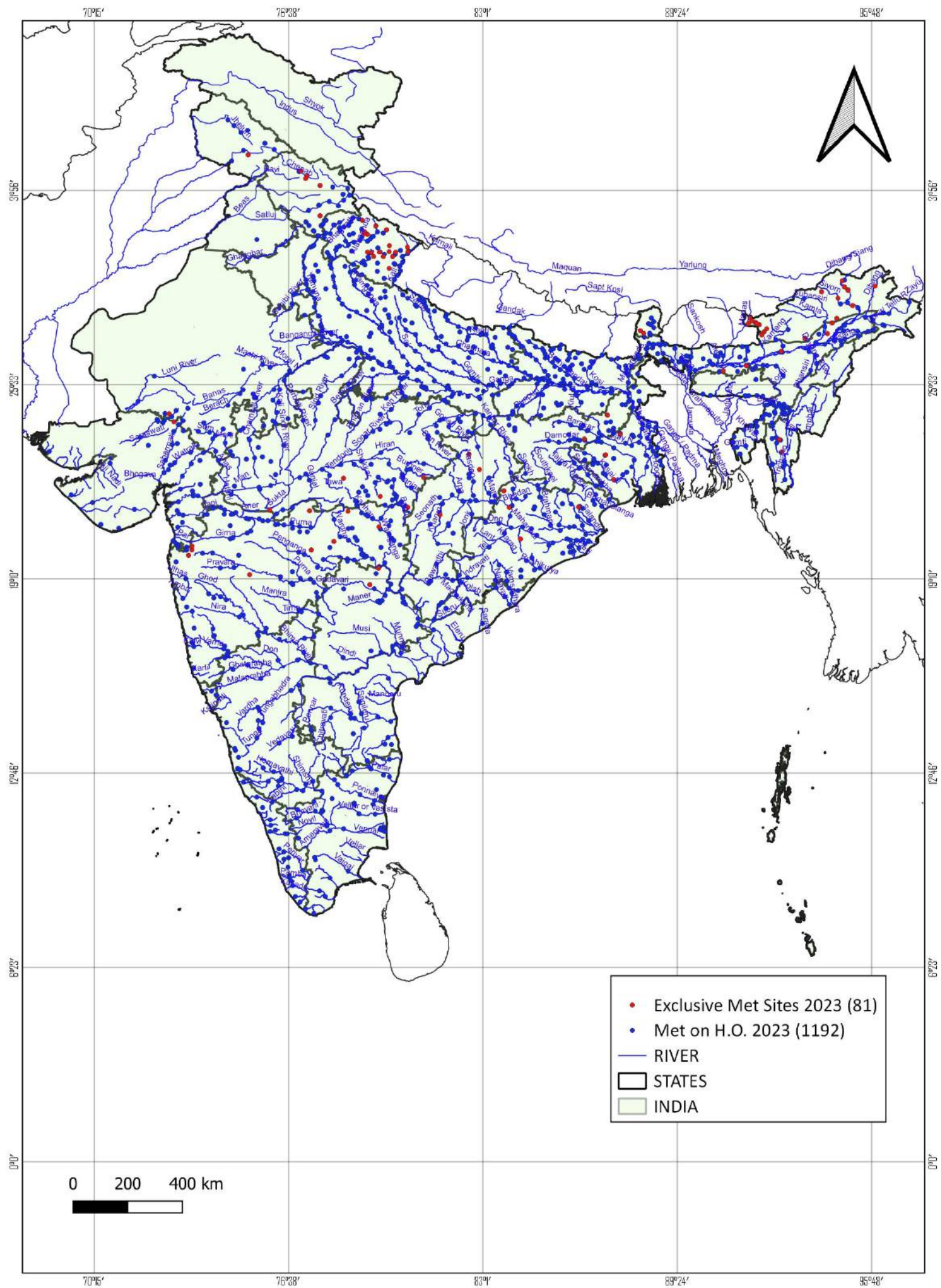
4. 7<sup>th</sup> to 13<sup>th</sup> position of code will be six numeric values and the 6-digit code will be as per date of establishment of station i.e., from first opened station 000000 to 999999

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 1 |
|---|---|---|---|---|---|

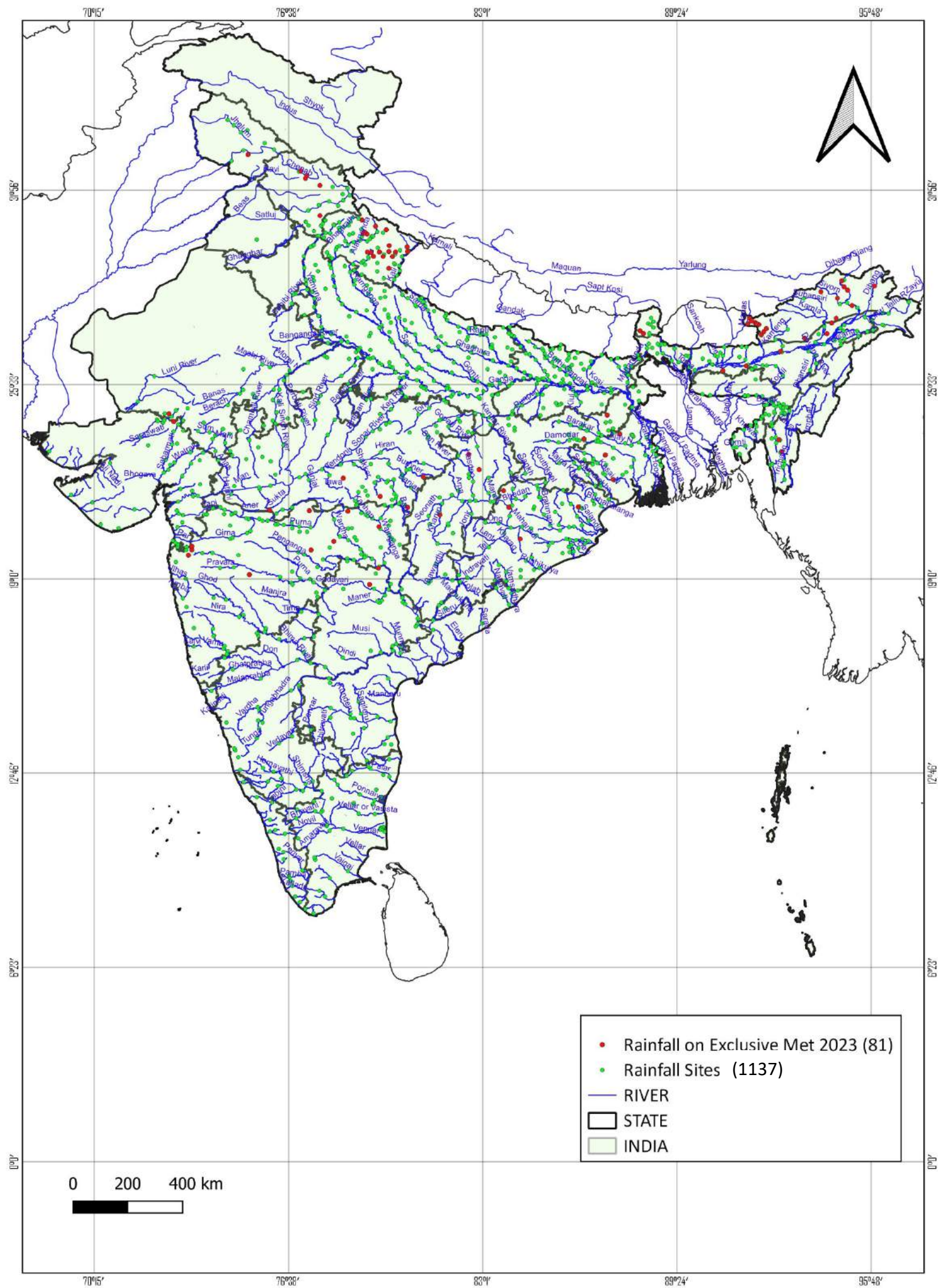
Example: Proposed sample WIMS code for a CWC surface water station in Yamuna upper sub basin opened first.

**CW1YAU000001**

# Meteorological sites in CWC



# RAINFALL SITES IN CWC



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| 783   | Mirawadi              | 80       | 838   | Nallathur              | 54       |
| 784   | Mirganj               | 178      | 839   | Namsai                 | 38       |
| 785   | Mirzapur              | 98       | 840   | Nandadih               | 149      |
| 786   | MISD                  | 51       | 841   | Nandalur               | 57       |
| 787   | Mohammad Ganj         | 94       | 842   | Nanded                 | 77       |
| 788   | Mohana                | 105      | 843   | Nandgaon               | 132      |
| 789   | Mohana                | 194      | 844   | Nandipalli             | 56       |
| 790   | Mohanpur              | 151      | 845   | Nandkeshi              | 167      |
| 791   | Mohauddin Nagar       | 88       | 846   | Nandprayag             | 168      |
| 792   | Mohgaon               | 144      | 847   | Nandre                 | 80       |
| 793   | Mohna                 | 199      | 848   | Nandu Madhmeshwar Weir | 78       |
| 794   | Mokheda               | 126      | 849   | Nanglamoraghat         | 40       |
| 795   | Mondgaon (Yelakeli)   | 132      | 850   | Nanipalsan             | 125      |
| 796   | Monierkhal            | 45       | 851   | Narahan                | 98       |
| 797   | Monnavedu             | 56       | 852   | Naraj                  | 112      |
| 798   | Moorang               | 68       | 853   | Narajole               | 151      |
| 799   | Moosa Nagar           | 194      | 854   | Narasingarayampet      | 54       |
| 800   | Moradabad             | 178      | 855   | Narayan Ashram         | 197      |
| 801   | Morane                | 123      | 856   | Narayanpur (Seasonal)  | 151      |
| 802   | Mortakka              | 144      | 857   | Narayanpur             | 98       |
| 803   | Motinaroli            | 122      | 858   | Nardiganj              | 93       |
| 804   | Motipur               | 172      | 859   | Nariyampattu           | 56       |
| 805   | Motipur (seasonal)    | 38       | 860   | Narne                  | 123      |
| 806   | Mouda                 | 132      | 861   | Narora                 | 179      |
| 807   | Moujabadi             | 88       | 862   | Narsingharh (Damoh)    | 190      |
| 808   | MountAbu              | 120      | 863   | Narsingpur             | 80       |
| 809   | MSD Barpeta Road      | 34       | 864   | Nasik                  | 77       |
| 810   | Mudhol                | 139      | 865   | Nathpa                 | 68       |
| 811   | Muhchurwaghat         | 172      | 866   | Natungram              | 151      |
| 812   | Mukhlispur            | 172      | 867   | Naugaon                | 202      |
| 813   | Mukki                 | 144      | 868   | Naula                  | 180      |
| 814   | Mukni                 | 135      | 869   | Naurhia                | 96       |
| 815   | Mukundur Hoshalli     | 138      | 870   | Nautghat               | 194      |
| 816   | Mungapar              | 130      | 871   | Nawada                 | 93       |
| 817   | Munger                | 93       | 872   | Nawtha                 | 122      |
| 818   | Mungoli (Township)    | 132      | 873   | Neairgram              | 45       |
| 819   | Muradpur              | 82       | 874   | Neeleswaram            | 59       |
| 820   | Murappanadu           | 62       | 875   | Neemsar                | 179      |
| 821   | Muri                  | 106      | 876   | Negai                  | 98       |
| 822   | Murthahandi           | 73       | 877   | NEID II Aizawal        | 51       |
| 823   | Murti                 | 157      | 878   | Nellithurai            | 61       |
| 824   | Musiri                | 61       | 879   | Nellore                | 56       |
| 825   | Muthankera            | 139      | 880   | Nematighat             | 41       |

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|-------|------------------------------|----------|-------|----------------------------|----------|
| 881   | Neora                        | 157      | 936   | Pasighat                   | 38       |
| 882   | Neriwalm                     | 42       | 937   | Patala                     | 132      |
| 883   | New Motipur                  | 172      | 938   | Patan                      | 144      |
| 884   | NH5 Govindpur                | 106      | 939   | Patansaongi                | 132      |
| 885   | Nimapara                     | 112      | 940   | Pathagudem                 | 72       |
| 886   | Ningguing                    | 42       | 941   | Patharidih                 | 109      |
| 887   | Nirmali                      | 88       | 942   | Patharkandi                | 45       |
| 888   | Nivali                       | 82       | 943   | Pati                       | 144      |
| 889   | Niwari                       | 98       | 944   | Pattazhy                   | 59       |
| 890   | NOIDA                        | 201      | 945   | Pauni                      | 132      |
| 891   | Nowrangpur                   | 73       | 946   | Pendra road                | 113      |
| 892   | Numaligarh                   | 41       | 947   | Pennsewaramadam            | 56       |
| 893   | Nutanbazar                   | 47       | 948   | Peralam                    | 54       |
| 894   | Nutanhat                     | 151      | 949   | Perumannu                  | 59       |
| 895   | Oollenur                     | 75       | 950   | Perur                      | 79       |
| 896   | Orai-2 Mangrayan             | 194      | 951   | Phaphamau                  | 98       |
| 897   | Ozerkheda                    | 125      | 952   | Pharsali                   | 197      |
| 898   | P.G.Bridge                   | 132      | 953   | Phulbani                   | 113      |
| 899   | Pachawali                    | 190      | 954   | Phulberia                  | 151      |
| 900   | Pachegaon                    | 78       | 955   | Phulgaon (Seasonal)        | 81       |
| 901   | Pachmarhi                    | 145      | 956   | Phusro                     | 149      |
| 902   | Padampur                     | 112      | 957   | Pilibhit                   | 179      |
| 903   | Paderdibadi                  | 117      | 958   | Pimpri                     | 123      |
| 904   | Padmabati                    | 112      | 959   | Pingalwada                 | 121      |
| 905   | Pagladiya N.T. Road Crossing | 33       | 960   | Pipalkoti                  | 168      |
| 906   | Pailanidera                  | 194      | 961   | Piplatola (Datta )         | 130      |
| 907   | Palasipara (seasonal)        | 161      | 962   | Piprauli                   | 199      |
| 908   | Paleru Bridge                | 74       | 963   | Poiyaghat                  | 191      |
| 909   | Palganj                      | 149      | 964   | Polampalli                 | 74       |
| 910   | Pali                         | 188      | 965   | Porakudi                   | 54       |
| 911   | Paliakalan                   | 173      | 966   | Potteru (Seasonal)         | 73       |
| 912   | Palla                        | 198      | 967   | Pratapgarh                 | 98       |
| 913   | Pallamala                    | 55       | 968   | Pratappur                  | 78       |
| 914   | Palmerganj                   | 93       | 969   | Pratappur                  | 194      |
| 915   | Palwa                        | 185      | 970   | Pubansa (Seasonal)         | 112      |
| 916   | Panam Dam                    | 116      | 971   | Pudur                      | 59       |
| 917   | Panbari                      | 33       | 972   | Pulamanthole               | 60       |
| 918   | Pancharatna                  | 33       | 973   | Pupunki                    | 149      |
| 919   | Pancheshwar                  | 174      | 974   | Purad                      | 133      |
| 920   | Pancheshwar                  | 196      | 975   | Purihansha                 | 151      |
| 921   | Panchet Dam                  | 149      | 976   | Purna                      | 78       |
| 922   | Panchkuan                    | 201      | 977   | Purnagiri                  | 196      |
| 923   | Pandowa                      | 68       | 978   | Purola                     | 202      |
| 924   | Pandu                        | 33       | 979   | Purunagarh                 | 103      |
| 925   | Pangin                       | 39       | 980   | Purushottampur             | 105      |
| 926   | Pankang Teng Tso Lake        | 36       | 981   | Purwamir                   | 179      |
| 927   | Panposh                      | 103      | 982   | Puthimari NH Road Crossing | 33       |
| 928   | Paonta                       | 200      | 983   | Putki                      | 154      |
| 929   | Paramakudi                   | 62       | 984   | Raebareli                  | 179      |
| 930   | Paramanpur                   | 112      | 985   | Rahimpur                   | 199      |
| 931   | Pargaon                      | 81       | 986   | RA-III                     | 35       |
| 932   | Parkham                      | 201      | 987   | Raipur                     | 113      |
| 933   | Parsa (Jalimnagar Bridge)    | 173      | 988   | Rajapur                    | 194      |
| 934   | Parsohan Ghat                | 173      | 989   | Rajegaon                   | 130      |
| 935   | Parsuramkund                 | 39       | 990   | Rajghat                    | 106      |

| Sl.No | Site                           | Page No. | Sl.No | Site                  | Page No. |
|-------|--------------------------------|----------|-------|-----------------------|----------|
| 991   | Rajghat                        | 194      | 1046  | Sakra                 | 89       |
| 992   | Rajim                          | 109      | 1047  | Saksohra              | 94       |
| 993   | Rajmahal (Seasonal)            | 159      | 1048  | Salebardi             | 133      |
| 994   | Rajoli                         | 133      | 1049  | Salebhata             | 112      |
| 995   | Rajpipla                       | 121      | 1050  | Salempur              | 173      |
| 996   | Ram Munshi Bagh                | 66       | 1051  | Saloor                | 79       |
| 997   | Ramakona                       | 130      | 1052  | Samastipur            | 89       |
| 998   | Ramamangalam                   | 60       | 1053  | Samdoli (Seasonal)    | 81       |
| 999   | Rameshwar                      | 196      | 1054  | Sandi                 | 179      |
| 1000  | Ramgarh                        | 149      | 1055  | Sandia                | 144      |
| 1001  | Ramnagar Barrage D / S         | 180      | 1056  | Sangam                | 66       |
| 1002  | RamnagarBagha                  | 173      | 1057  | Sangam (Murredu)      | 73       |
| 1003  | Rampur                         | 68       | 1058  | Sangla                | 68       |
| 1004  | Rampur                         | 110      | 1059  | Sangod                | 188      |
| 1005  | Rampur                         | 179      | 1060  | Sangti                | 36       |
| 1006  | Ramsanehighat                  | 179      | 1061  | Sanjay Nagar          | 190      |
| 1007  | Ranganadi NT-Road crossing     | 41       | 1062  | Sankalang             | 162      |
| 1008  | Rangeli                        | 117      | 1063  | Sankara               | 110      |
| 1009  | Rangma Range                   | 162      | 1064  | Sankhoghat (seasonal) | 151      |
| 1010  | Rangpo                         | 156      | 1065  | Sankili Road Bridge   | 104      |
| 1011  | Raska Weir                     | 118      | 1066  | Sankosh LRP           | 158      |
| 1012  | Ratanpur                       | 118      | 1067  | Santeguli             | 58       |
| 1013  | Ratanpuri                      | 201      | 1068  | Sapawada              | 119      |
| 1014  | Rauta                          | 88       | 1069  | Saradaput             | 73       |
| 1015  | Rayachoti                      | 57       | 1070  | Saralpur              | 161      |
| 1016  | Raysi                          | 168      | 1071  | Sarangkheda           | 123      |
| 1017  | Regauli                        | 173      | 1072  | Sarangpal             | 110      |
| 1018  | Rengali (Seasonal)             | 103      | 1073  | Sarangpur             | 186      |
| 1019  | Reshi                          | 163      | 1074  | Sarati                | 81       |
| 1020  | Rewa (Godaha)                  | 96       | 1075  | Sardhua               | 195      |
| 1021  | Rewaghat                       | 94       | 1076  | Sarekha               | 130      |
| 1022  | Rimbi                          | 163      | 1077  | Sarotry               | 119      |
| 1023  | Rishikesh                      | 168      | 1078  | Sarra                 | 130      |
| 1024  | Road Bridge D/s of Chandil dam | 106      | 1079  | Sarva                 | 191      |
| 1025  | Roorkee                        | 168      | 1080  | Satna                 | 96       |
| 1026  | Ropa                           | 68       | 1081  | Satrapur              | 133      |
| 1027  | Rosera                         | 88       | 1082  | Satyanarayan          | 168      |
| 1028  | Routang                        | 42       | 1083  | Saulighat             | 89       |
| 1029  | Rudraprayag (Mandakini)        | 168      | 1084  | Savandapur            | 61       |
| 1030  | Rui                            | 133      | 1085  | Savkheda              | 123      |
| 1031  | Runisaidpur                    | 89       | 1086  | Savni                 | 119      |
| 1032  | Rupaligad                      | 196      | 1087  | Saygaon               | 124      |
| 1033  | Rupas Nagar                    | 195      | 1088  | Sehramau South        | 179      |
| 1034  | Sabhawala                      | 202      | 1089  | Sei Dam               | 117      |
| 1035  | Sadalga(Seasonal)              | 80       | 1090  | Sela Top              | 35       |
| 1036  | Safapora                       | 66       | 1091  | Seohara               | 179      |
| 1037  | Saharghat                      | 89       | 1092  | Seondha               | 191      |
| 1038  | Sahijana                       | 195      | 1093  | Seorinarayan          | 110      |
| 1039  | Saidpur                        | 99       | 1094  | Seppa                 | 38       |
| 1040  | Saigaon                        | 77       | 1095  | Sevanur               | 61       |
| 1041  | Sairang                        | 46       | 1096  | Sevoke                | 158      |
| 1042  | Sakhra (Wadsa)                 | 133      | 1097  | Shahjahanpur          | 179      |
| 1043  | Sakleshpur                     | 138      | 1098  | Shahzadpur            | 99       |
| 1044  | Sakmur                         | 133      | 1099  | Shaladang             | 158      |
| 1045  | Sakoli Bridge                  | 133      | 1100  | Shalkhar              | 69       |

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| 1101  | Shardanagar           | 173      | 1156  | Sundarpur                 | 151      |
| 1102  | Shekhpura (Barnawa)   | 201      | 1157  | Sundergarh                | 112      |
| 1103  | Shella                | 49       | 1158  | Surahithota               | 168      |
| 1104  | Shergarh              | 179      | 1159  | Surajgarh                 | 110      |
| 1105  | Shergarh              | 201      | 1160  | Suri                      | 154      |
| 1106  | Shimoga               | 140      | 1161  | Suyalbari                 | 181      |
| 1107  | Shindhkheda           | 124      | 1162  | Swampatna                 | 103      |
| 1108  | Shirdhon              | 80       | 1163  | Swaroopaganj              | 120      |
| 1109  | Shirpur               | 124      | 1164  | Tadipatri                 | 57       |
| 1110  | Sibapur               | 46       | 1165  | Taibpur                   | 89       |
| 1111  | Sibbari               | 49       | 1166  | Tajewala / Hathnikund     | 199      |
| 1112  | Sihtlangpui           | 51       | 1167  | Takli                     | 81       |
| 1113  | Sikandarpur           | 89       | 1168  | Tal                       | 186      |
| 1114  | Sikatia Barrage       | 149      | 1169  | Talaswada                 | 124      |
| 1115  | Sikti                 | 89       | 1170  | Talcher                   | 104      |
| 1116  | Silvassa              | 124      | 1171  | Talikot                   | 140      |
| 1117  | Simerkhedi            | 191      | 1172  | Tandi                     | 68       |
| 1118  | Simga                 | 110      | 1173  | Tantloi                   | 151      |
| 1119  | Simulia               | 151      | 1174  | Taranipur                 | 161      |
| 1120  | Singavaram            | 56       | 1175  | Tarapur                   | 112      |
| 1121  | Singtam               | 162      | 1176  | Targaon                   | 81       |
| 1122  | Sirijholi             | 105      | 1177  | Tawanagar                 | 144      |
| 1123  | Sirpur Town           | 135      | 1178  | Tejam (Sobla)             | 197      |
| 1124  | Sirshi                | 66       | 1179  | Tejam (Thal)              | 197      |
| 1125  | Sitalpur              | 94       | 1180  | Tekra - Shifter to Aheri  | 133      |
| 1126  | Sitamarhi             | 99       | 1181  | Telkoi                    | 104      |
| 1127  | Sitapur               | 180      | 1182  | Temni                     | 130      |
| 1128  | Sitarganj             | 180      | 1183  | Tendui                    | 99       |
| 1129  | Sitekasa              | 133      | 1184  | Tenughat Dam              | 149      |
| 1130  | Sivasagar             | 41       | 1185  | Tezpur                    | 41       |
| 1131  | Sohagpura             | 117      | 1186  | Tezu                      | 38       |
| 1132  | Sohar                 | 96       | 1187  | Thakraha                  | 89       |
| 1133  | Solachar              | 124      | 1188  | Thakurmunda               | 107      |
| 1134  | Somanpally (Seasonal) | 79       | 1189  | Thal                      | 175      |
| 1135  | Somkamla Amba Dam     | 117      | 1190  | Tharnam                   | 134      |
| 1136  | Sonamura              | 47       | 1191  | Thengudi                  | 54       |
| 1137  | Sonamura-II           | 47       | 1192  | Thengumarahada            | 61       |
| 1138  | Sonapur               | 33       | 1193  | Theni                     | 62       |
| 1139  | Sonapur               | 158      | 1194  | Therriaghat               | 49       |
| 1140  | Sonauli Mohammadpur   | 173      | 1195  | Thettatanagar             | 110      |
| 1141  | Sonbarsa              | 89       | 1196  | Thevur                    | 62       |
| 1142  | Sonkatch              | 186      | 1197  | Thirunavalur              | 56       |
| 1143  | Sorada                | 105      | 1198  | Thiruvalam                | 56       |
| 1144  | Srikakulam            | 104      | 1199  | Thoppur                   | 62       |
| 1145  | Srinagar              | 168      | 1200  | Thorai Kadana Halli       | 138      |
| 1146  | Sripalpur             | 95       | 1201  | Thore Bekuppe             | 138      |
| 1147  | Subhash Bridge        | 118      | 1202  | Thothibari                | 173      |
| 1148  | Suddakallu            | 75       | 1203  | Thumpamon                 | 60       |
| 1149  | Sugauli               | 89       | 1204  | Tighara                   | 192      |
| 1150  | Suklai                | 33       | 1205  | Tikarapara                | 112      |
| 1151  | Sukma                 | 72       | 1206  | Tilaiya Dam               | 149      |
| 1152  | Sukratal              | 166      | 1207  | Tilga                     | 102      |
| 1153  | Suldagiri (Deocharai) | 158      | 1208  | Tilpara Mihiralal Barrage | 152      |
| 1154  | Sultanpur             | 99       | 1209  | Tirumakudalu Narasipur    | 138      |
| 1155  | Sulurpet              | 54       | 1210  | Titang                    | 68       |

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| 1211  | Titawi                   | 201      | 1266  | Yavatmali | 135      |
| 1212  | Tlabung                  | 50       | 1267  | Yelli     | 78       |
| 1213  | Tlawng HEP               | 50       | 1268  | Yennehole | 58       |
| 1214  | Todarpur                 | 180      | 1269  | Yerli     | 124      |
| 1215  | Tondihal Ramapuram       | 75       | 1270  | Yingkiong | 39       |
| 1216  | Tonk                     | 188      | 1271  | Yingkiong | 42       |
| 1217  | Trimohinighat            | 173      | 1272  | Zari      | 78       |
| 1218  | Triveni                  | 89       | 1273  | Zemithang | 36       |
| 1219  | Tufanganj                | 158      |       |           |          |
| 1220  | Tuichang                 | 51       |       |           |          |
| 1221  | Tuichawng                | 50       |       |           |          |
| 1222  | Tuini (Pabar)            | 202      |       |           |          |
| 1223  | Tuini (Tons)             | 202      |       |           |          |
| 1224  | Tuipui 'D'               | 51       |       |           |          |
| 1225  | Tuirial                  | 46       |       |           |          |
| 1226  | Tulargram                | 45       |       |           |          |
| 1227  | Tumnar                   | 72       |       |           |          |
| 1228  | Tumri                    | 186      |       |           |          |
| 1229  | Tunganath                | 169      |       |           |          |
| 1230  | Turtipar                 | 174      |       |           |          |
| 1231  | Tusuma                   | 152      |       |           |          |
| 1232  | Tuting                   | 39       |       |           |          |
| 1233  | Udaipur                  | 41       |       |           |          |
| 1234  | Udaipur                  | 68       |       |           |          |
| 1235  | Udharbond                | 46       |       |           |          |
| 1236  | Udi                      | 195      |       |           |          |
| 1237  | Ujjain                   | 186      |       |           |          |
| 1238  | Ukhimath                 | 169      |       |           |          |
| 1239  | Umroi                    | 49       |       |           |          |
| 1240  | Una                      | 119      |       |           |          |
| 1241  | Unao Balaji              | 191      |       |           |          |
| 1242  | Urachikottai             | 62       |       |           |          |
| 1243  | Uskabazar                | 174      |       |           |          |
| 1244  | Uttarkashi               | 168      |       |           |          |
| 1245  | Vandiperiyar             | 60       |       |           |          |
| 1246  | Vapi                     | 125      |       |           |          |
| 1247  | Varai                    | 124      |       |           |          |
| 1248  | Varanasi                 | 99       |       |           |          |
| 1249  | Vatphal                  | 135      |       |           |          |
| 1250  | Vautha                   | 118      |       |           |          |
| 1251  | Vazhavachanur            | 55       |       |           |          |
| 1252  | Velda (Nizar)            | 122      |       |           |          |
| 1253  | Vellaikadavu             | 60       |       |           |          |
| 1254  | Vijay Raghavgarh (Ramna) | 96       |       |           |          |
| 1255  | Villupuram               | 55       |       |           |          |
| 1256  | Wadakbal                 | 81       |       |           |          |
| 1257  | Wadenapally              | 76       |       |           |          |
| 1258  | Wairagarh                | 133      |       |           |          |
| 1259  | Wanakbori                | 116      |       |           |          |
| 1260  | Wankhed                  | 124      |       |           |          |
| 1261  | Waraseoni                | 130      |       |           |          |
| 1262  | Warunji                  | 81       |       |           |          |
| 1263  | Watrak Dam               | 118      |       |           |          |
| 1264  | Yadgir                   | 75       |       |           |          |
| 1265  | Yashwant Nagar           | 200      |       |           |          |

### Basin wise details of Met sites

| S.No               | Basin                                             | Total Met Sites | Rf          | Mt         | Ar        | Wv         | Sf       | FCS      | Hu         | Ss       | Pe        |
|--------------------|---------------------------------------------------|-----------------|-------------|------------|-----------|------------|----------|----------|------------|----------|-----------|
| 1                  | Brahmani-Baitarani                                | 25              | 24          | 24         |           | 3          |          |          | 1          | 1        | 3         |
| 2                  | Brahmaputra                                       | 96              | 80          | 36         |           | 5          |          | 1        | 17         |          |           |
| 3                  | Cauvery                                           | 32              | 31          | 32         |           | 29         |          |          | 18         |          | 18        |
| 4                  | EFR between Mahanadi and Godavari                 | 18              | 18          | 18         |           | 4          |          |          |            |          | 1         |
| 5                  | EFR between Pennar and Cauvery                    | 28              | 28          | 18         |           | 22         |          |          | 13         |          | 7         |
| 6                  | Ganga                                             | 524             | 502         | 369        | 1         |            |          |          | 40         |          | 2         |
| 7                  | Godavari                                          | 105             | 104         | 72         | 1         | 8          |          |          | 2          | 1        | 3         |
| 8                  | Indus (Up to Border) Chenab Basin                 | 19              | 19          | 9          |           |            | 4        |          | 5          |          |           |
| 9                  | Krishna                                           | 49              | 45          | 47         | 11        | 33         |          | 3        | 20         | 3        | 6         |
| 10                 | Mahanadi                                          | 54              | 54          | 51         |           | 25         |          |          | 25         |          | 23        |
| 11                 | Mahi                                              | 23              | 23          | 11         |           | 11         |          | 1        | 11         |          | 3         |
| 12                 | Barak & Other Basin                               | 47              | 47          | 27         |           |            |          |          |            |          |           |
| 13                 | Minor Rivers Draining into Myanmar and Bangladesh | 9               | 9           | 1          |           |            |          |          |            |          |           |
| 14                 | Narmada                                           | 21              | 21          | 18         |           | 17         |          |          | 17         |          | 10        |
| 15                 | Pennar                                            | 12              | 12          | 9          |           | 9          |          |          | 9          |          | 1         |
| 16                 | Sabarmati                                         | 12              | 12          | 6          |           | 6          |          |          | 6          |          |           |
| 17                 | Subarnarekha                                      | 15              | 15          | 15         |           | 1          |          |          |            |          |           |
| 18                 | Tapi                                              | 34              | 34          | 13         | 5         | 13         |          |          | 13         |          | 10        |
| 19                 | WFR from South of Tapi                            | 50              | 40          | 46         | 3         | 39         |          |          | 23         | 2        | 10        |
| 20                 | WFR of Kutch and Saurashtra including Luni        | 18              | 18          | 15         |           | 15         |          |          | 15         |          |           |
| 21                 | EFR Between Krishna & Pennar                      | 1               | 1           | 1          | 1         | 1          |          |          |            |          |           |
| <b>Grand Total</b> |                                                   | <b>1192</b>     | <b>1137</b> | <b>838</b> | <b>22</b> | <b>241</b> | <b>4</b> | <b>5</b> | <b>235</b> | <b>7</b> | <b>97</b> |

### Basin wise details of Exclusive Met sites

| S.No.              | Basin                                             | Total Exclusive Met Sites | Rf        | Mt        | Wv        | Pe        | Hu        | Ss        | Sf        | Ar |
|--------------------|---------------------------------------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| 1                  | Brahmani-Baitarani                                | 1                         | 1         |           |           |           |           |           |           |    |
| 2                  | Brahmaputra                                       | 25                        | 25        | 12        | 12        | 12        | 12        | 12        | 10        |    |
| 3                  | Cauvery                                           | 0                         |           |           |           |           |           |           |           |    |
| 4                  | EFR between Mahanadi and Godavari                 | 0                         |           |           |           |           |           |           |           |    |
| 5                  | EFR between Pennar and Cauvery                    | 0                         |           |           |           |           |           |           |           |    |
| 6                  | Ganga                                             | 25                        | 25        | 7         | 5         | 5         | 7         | 5         | 9         |    |
| 7                  | Godavari                                          | 9                         | 9         |           |           |           |           |           |           |    |
| 8                  | Indus (Up to Border) Chenab Basin                 | 4                         | 4         | 3         |           |           | 1         |           | 4         |    |
| 9                  | Krishna                                           | 0                         |           |           |           |           |           |           |           |    |
| 10                 | Mahanadi                                          | 6                         | 6         | 3         |           | 1         | 1         |           |           |    |
| 11                 | Mahi                                              | 2                         | 2         |           |           |           |           |           |           |    |
| 12                 | Barak & Other Basin                               | 2                         | 2         | 1         | 1         | 1         |           |           |           |    |
| 13                 | Minor Rivers Draining into Myanmar and Bangladesh | 0                         |           |           |           |           |           |           |           |    |
| 14                 | Narmada                                           | 2                         | 2         |           |           |           |           |           |           |    |
| 15                 | Pennar                                            | 0                         |           |           |           |           |           |           |           |    |
| 16                 | Sabarmati                                         | 0                         |           |           |           |           |           |           |           |    |
| 17                 | Subarnarekha                                      | 0                         |           |           |           |           |           |           |           |    |
| 18                 | Tapi                                              | 2                         | 2         |           |           |           |           |           |           |    |
| 19                 | WFR from South of Tapi                            | 3                         | 3         |           |           |           |           |           |           |    |
| 20                 | WFR of Kutch and Saurashtra including Luni        | 0                         |           |           |           |           |           |           |           |    |
| <b>Grand Total</b> |                                                   | <b>81</b>                 | <b>81</b> | <b>26</b> | <b>18</b> | <b>19</b> | <b>21</b> | <b>17</b> | <b>23</b> |    |

### State / Union Territory wise details of Met sites

| S.No. | State/UT           | Total Met Sites | Rf          | Mt         | Ar        | Wv         | Sf       | FCS      | Hu         | Ss       | Pe        |
|-------|--------------------|-----------------|-------------|------------|-----------|------------|----------|----------|------------|----------|-----------|
| 1     | Andhra Pradesh     | 29              | 29          | 22         | 5         | 16         |          | 1        | 10         | 1        | 2         |
| 2     | Arunachal Pradesh  | 15              | 15          |            |           |            |          | 1        |            |          |           |
| 3     | Assam              | 71              | 66          | 23         |           | 5          |          |          | 17         |          |           |
| 4     | Bihar              | 99              | 98          | 61         |           |            |          |          | 38         |          |           |
| 5     | Chhattisgarh       | 37              | 37          | 36         |           | 15         |          |          | 12         |          | 14        |
| 6     | D&NH & D&D         | 4               | 4           | 2          | 1         |            |          |          | 1          |          |           |
| 7     | Delhi              | 3               | 3           | 2          |           |            |          |          |            |          |           |
| 8     | Goa                | 2               | 1           | 2          |           | 2          |          |          | 1          |          |           |
| 9     | Gujarat            | 46              | 46          | 27         |           | 27         |          | 1        | 27         |          | 5         |
| 10    | Haryana            | 10              | 10          | 9          |           |            |          |          |            |          |           |
| 11    | Himachal Pradesh   | 20              | 19          | 13         |           |            | 2        |          | 5          |          |           |
| 12    | Jammu & Kashmir    | 8               | 8           | 4          |           |            | 2        |          |            |          |           |
| 13    | Jharkhand          | 35              | 33          | 12         |           | 1          |          |          |            |          |           |
| 14    | Karnataka          | 42              | 38          | 41         | 3         | 26         |          |          | 8          |          | 13        |
| 15    | Kerala             | 22              | 17          | 21         | 1         | 20         |          |          | 6          | 1        | 2         |
| 16    | Madhya Pradesh     | 98              | 97          | 57         |           | 20         |          |          | 20         |          | 12        |
| 17    | Maharashtra        | 101             | 95          | 71         | 5         | 36         |          | 1        | 34         | 2        | 11        |
| 18    | Manipur            | 1               | 1           |            |           |            |          |          |            |          |           |
| 19    | Meghalaya          | 8               | 8           | 5          |           |            |          |          |            |          |           |
| 20    | Mizoram            | 13              | 13          | 2          |           |            |          |          |            |          |           |
| 21    | Odisha             | 75              | 74          | 71         |           | 16         |          |          | 14         | 1        | 13        |
| 22    | Puducherry         | 3               | 3           | 3          |           | 3          |          |          | 2          |          | 1         |
| 23    | Rajasthan          | 37              | 37          | 11         |           | 9          |          |          | 9          |          |           |
| 24    | Sikkim             | 9               | 7           | 3          |           |            |          |          |            |          |           |
| 25    | Tamil Nadu         | 43              | 43          | 35         | 1         | 39         |          |          | 27         | 1        | 19        |
| 26    | Telangana          | 24              | 24          | 19         | 5         | 6          |          | 1        | 2          | 1        | 3         |
| 27    | Tripura            | 13              | 13          | 9          |           |            |          |          |            |          |           |
| 28    | Uttar Pradesh      | 177             | 175         | 162        | 1         |            |          |          | 2          |          |           |
| 29    | Uttarakhand        | 67              | 64          | 64         |           |            |          |          |            |          | 2         |
| 30    | West Bengal        | 80              | 59          | 51         |           |            |          |          |            |          |           |
|       | <b>Grand Total</b> | <b>1192</b>     | <b>1137</b> | <b>838</b> | <b>22</b> | <b>241</b> | <b>4</b> | <b>5</b> | <b>235</b> | <b>7</b> | <b>97</b> |

### State / Union Territory wise details of Exclusive Met sites

| S.No. | State/UT           | Total Exclusive Met Sites | Rf        | Mt        | Wv        | Pe        | Hu        | Ss        | Sf        | Ar | Pe        |
|-------|--------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|-----------|
| 1     | Arunachal Pradesh  | 18                        | 18        | 12        | 12        | 12        | 12        | 12        | 10        |    | 12        |
| 2     | Assam              | 5                         | 5         |           |           |           |           |           |           |    |           |
| 3     | Chhattisgarh       | 3                         | 3         |           |           |           |           |           |           |    |           |
| 4     | Gujarat            | 1                         | 1         |           |           |           |           |           |           |    |           |
| 5     | Himachal Pradesh   | 5                         | 5         | 5         |           |           | 3         |           | 5         |    |           |
| 6     | Jammu & Kashmir    | 1                         | 1         |           |           |           |           |           | 1         |    |           |
| 7     | Jharkhand          | 2                         | 2         |           |           |           |           |           |           |    |           |
| 8     | Madhya Pradesh     | 4                         | 4         |           |           |           |           |           |           |    |           |
| 9     | Maharashtra        | 11                        | 11        |           |           |           |           |           |           |    |           |
| 10    | Mizoram            | 2                         | 2         | 1         | 1         | 1         |           |           |           |    | 1         |
| 11    | Odisha             | 4                         | 4         | 3         |           | 1         | 1         |           |           |    | 1         |
| 12    | Rajasthan          | 1                         | 1         |           |           |           |           |           |           |    |           |
| 13    | Sikkim             | 2                         | 2         |           |           |           |           |           |           |    |           |
| 14    | Telangana          | 1                         | 1         |           |           |           |           |           |           |    |           |
| 15    | Uttarakhand        | 18                        | 18        | 5         | 5         | 5         | 5         | 5         | 7         |    | 5         |
| 16    | West Bengal        | 3                         | 3         |           |           |           |           |           |           |    |           |
|       | <b>Grand Total</b> | <b>81</b>                 | <b>81</b> | <b>26</b> | <b>18</b> | <b>19</b> | <b>21</b> | <b>17</b> | <b>23</b> |    | <b>19</b> |

### Organization wise details of Met sites

| S.No.              | Organisation                                             | Total Met Sites | Rf          | Mt         | Ar        | Wv         | Sf       | FCS      | Hu         | Ss       | Pe        |
|--------------------|----------------------------------------------------------|-----------------|-------------|------------|-----------|------------|----------|----------|------------|----------|-----------|
| 1                  | Barak & Other Basins Organisation, Shillong              | 57              | 57          | 28         |           |            |          |          |            |          |           |
| 2                  | Brahmaputra Basin Organisation, Guwahati                 | 62              | 58          | 9          |           | 5          |          | 1        | 17         |          |           |
| 3                  | Cauvery & Southern Rivers Organisation, Coimbatore       | 90              | 84          | 76         | 2         | 77         |          |          | 48         | 2        | 27        |
| 4                  | Indus Basin Organisation, Chandigarh                     | 19              | 19          | 9          |           |            | 4        |          | 5          |          |           |
| 5                  | Krishna and Godavari Basin Organisation, Hyderabad       | 90              | 85          | 83         | 13        | 41         |          | 3        | 27         | 4        | 6         |
| 6                  | Lower Ganga Basin Organisation, Patna                    | 154             | 153         | 90         |           |            |          |          | 40         |          |           |
| 7                  | Mahanadi & Eastern River Basin Organisation, Bhubaneswar | 112             | 111         | 108        |           | 33         |          |          | 26         | 1        | 27        |
| 8                  | Mahi & Tapi Basin Organisation, Gandhinagar              | 97              | 97          | 52         | 6         | 50         |          | 1        | 51         |          | 16        |
| 9                  | Monitoring Central Organisation, Nagpur                  | 60              | 60          | 32         |           |            |          |          |            |          |           |
| 10                 | Monitoring South Organisation, Bengaluru                 | 27              | 22          | 27         |           | 18         |          |          | 4          |          | 9         |
| 11                 | Narmada Basin Organisation, Bhopal                       | 21              | 21          | 18         |           | 17         |          |          | 17         |          | 10        |
| 12                 | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata  | 113             | 87          | 57         |           |            |          |          |            |          |           |
| 13                 | Upper Ganga Basin Organisation, Lucknow                  | 141             | 141         | 140        |           |            |          |          |            |          |           |
| 14                 | Yamuna Basin Organisation, New Delhi                     | 149             | 142         | 109        | 1         |            |          |          |            |          | 2         |
| <b>Grand Total</b> |                                                          | <b>1192</b>     | <b>1137</b> | <b>838</b> | <b>22</b> | <b>241</b> | <b>4</b> | <b>5</b> | <b>235</b> | <b>7</b> | <b>97</b> |

### Organization wise details of Exclusive Met sites

| S.No.              | Organisation                                             | Total Exclusive Met Sites | Rf        | Mt        | Wv        | Pe        | Hu        | Ss        | Sf        | Ar |
|--------------------|----------------------------------------------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| 1                  | Barak & Other Basins Organisation, Shillong              | 2                         | 2         | 1         | 1         | 1         |           |           |           |    |
| 2                  | Brahmaputra Basin Organisation, Guwahati                 | 23                        | 23        | 12        | 12        | 12        | 12        | 12        | 10        |    |
| 3                  | Indus Basin Organisation, Chandigarh                     | 6                         | 6         | 5         |           |           | 3         |           | 6         |    |
| 4                  | Krishna and Godavari Basin Organisation, Hyderabad       | 1                         | 1         |           |           |           |           |           |           |    |
| 5                  | Mahanadi & Eastern River Basin Organisation, Bhubaneswar | 7                         | 7         | 3         |           | 1         | 1         |           |           |    |
| 6                  | Mahi & Tapi Basin Organisation, Gandhinagar              | 7                         | 7         |           |           |           |           |           |           |    |
| 7                  | Monitoring Central Organisation, Nagpur                  | 8                         | 8         |           |           |           |           |           |           |    |
| 8                  | Narmada Basin Organisation, Bhopal                       | 2                         | 2         |           |           |           |           |           |           |    |
| 9                  | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata  | 7                         | 7         |           |           |           |           |           |           |    |
| 10                 | Upper Ganga Basin Organisation, Lucknow                  | 11                        | 11        | 5         | 5         | 5         | 5         | 5         | 5         |    |
| 11                 | Yamuna Basin Organisation, New Delhi                     | 7                         | 7         |           |           |           |           |           | 2         |    |
| <b>Grand Total</b> |                                                          | <b>81</b>                 | <b>81</b> | <b>26</b> | <b>18</b> | <b>19</b> | <b>21</b> | <b>17</b> | <b>23</b> |    |

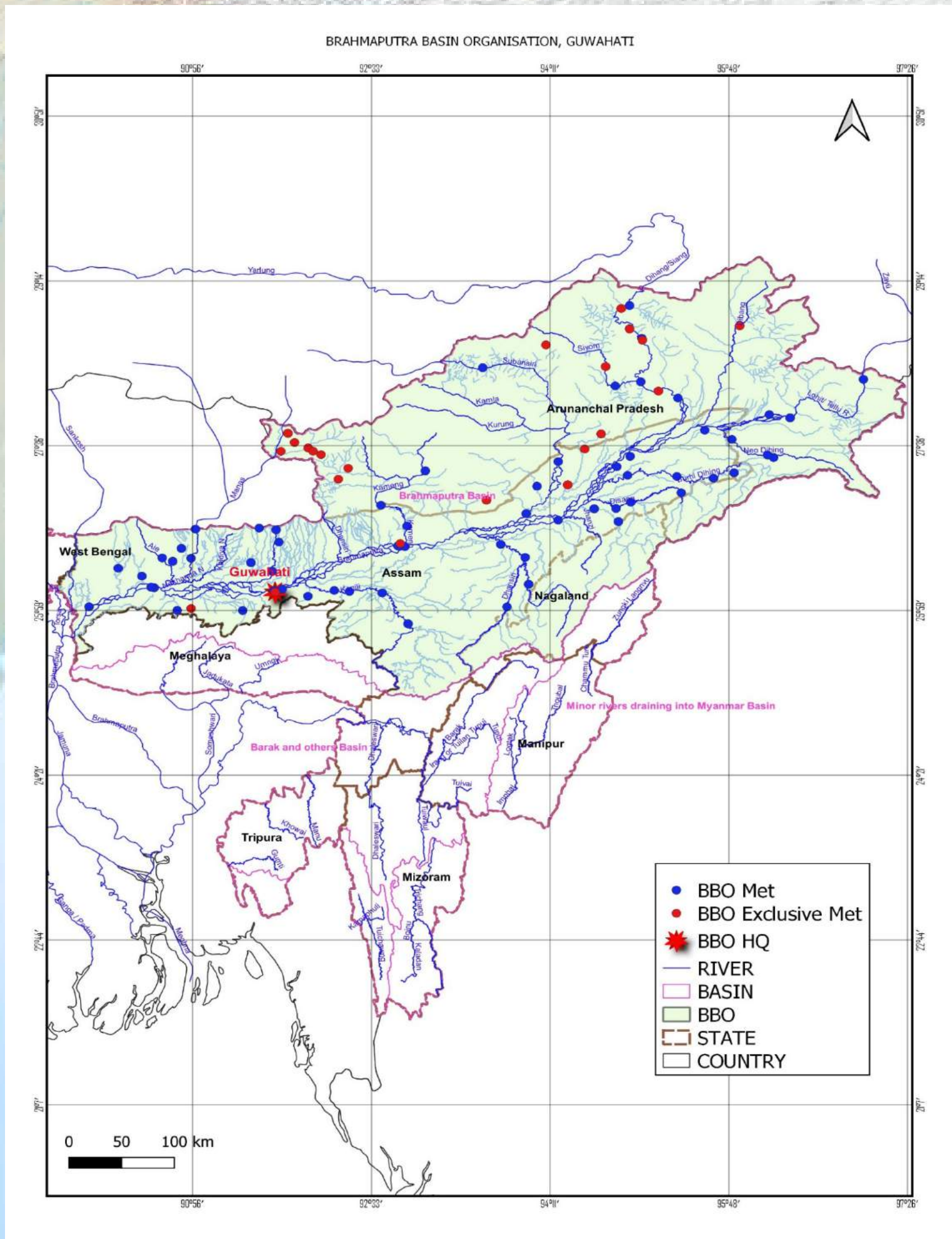
### Division wise details of Met sites

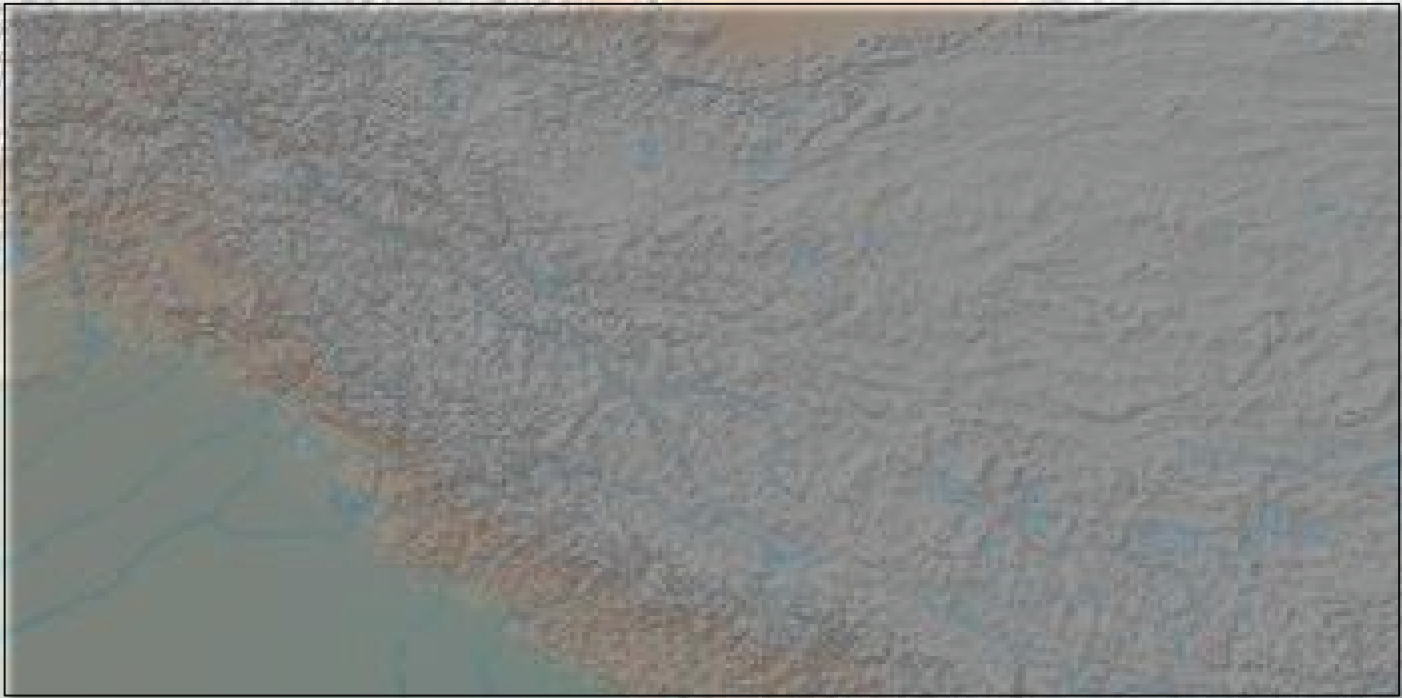
| S.No.              | Division                                | Total Met Sites | Rf          | Mt         | Ar        | Wv         | Sf       | FCS      | Hu         | Ss       |
|--------------------|-----------------------------------------|-----------------|-------------|------------|-----------|------------|----------|----------|------------|----------|
| 1                  | Cauvery Division, Bengaluru             | 27              | 22          | 27         |           | 18         |          |          | 4          |          |
| 2                  | Chambal Division, Jaipur                | 34              | 33          | 1          |           |            |          |          |            |          |
| 3                  | Chenab Division, Jammu                  | 8               | 8           | 4          |           |            | 2        |          |            |          |
| 4                  | Damodar Division, Asansol               | 50              | 50          |            |           |            |          |          |            |          |
| 5                  | Eastern Rivers Division, Bhubaneswar    | 57              | 56          | 56         |           | 8          |          |          | 1          | 1        |
| 6                  | Himalayan Ganga Division, Haridwar      | 33              | 33          | 32         |           |            |          |          |            |          |
| 7                  | Hydrology Division, Chennai             | 39              | 39          | 26         |           | 30         |          |          | 22         |          |
| 8                  | Lower Brahmaputra Division, Jalpaiguri  | 30              | 16          | 30         |           |            |          |          |            |          |
| 9                  | Lower Ganga Division -III               | 27              | 15          | 27         |           |            |          |          |            |          |
| 10                 | Lower Ganga Division-I, Patna           | 60              | 60          | 50         |           |            |          |          | 40         |          |
| 11                 | Lower Ganga Division-II, Patna          | 42              | 41          | 14         |           |            |          |          |            |          |
| 12                 | Lower Godavari Division, Hyderabad      | 18              | 18          | 15         |           |            |          |          |            |          |
| 13                 | Lower Krishna Division, Hyderabad       | 21              | 21          | 19         | 12        | 12         |          | 2        | 1          | 2        |
| 14                 | Lower Yamuna Division, Agra             | 63              | 63          | 61         |           |            |          |          |            |          |
| 15                 | Mahanadi Division, Burla                | 55              | 55          | 52         |           | 25         |          |          | 25         |          |
| 16                 | Mahi Division, Gandhinagar              | 47              | 47          | 29         |           | 29         |          | 1        | 29         |          |
| 17                 | Meghna Division, Silchar                | 27              | 27          | 16         |           |            |          |          |            |          |
| 18                 | Meghna Investigation Division, Shillong | 19              | 19          | 12         |           |            |          |          |            |          |
| 19                 | Middle Ganga Division-I, Lucknow        | 49              | 49          | 49         |           |            |          |          |            |          |
| 20                 | Middle Ganga Division-II, Lucknow       | 59              | 59          | 59         |           |            |          |          |            |          |
| 21                 | Middle Ganga Division-III, Varanasi     | 52              | 52          | 26         |           |            |          |          |            |          |
| 22                 | Middle Brahmaputra Division, Guwahati   | 20              | 16          | 9          |           | 5          |          |          | 17         |          |
| 23                 | Narmada Division, Bhopal                | 21              | 21          | 18         |           | 17         |          |          | 17         |          |
| 24                 | NEID-II Aizawl                          | 11              | 11          |            |           |            |          |          |            |          |
| 25                 | NEID-III, Itanagar                      | 1               | 1           |            |           |            |          |          |            |          |
| 26                 | P&ID, Faridabad                         | 6               | 4           | 4          |           |            |          |          |            |          |
| 27                 | Snow Hydrology Division, Shimla         | 11              | 11          | 5          |           |            | 2        |          | 5          |          |
| 28                 | Sikkim Investigation Division, Gangtok  | 6               | 6           |            |           |            |          |          |            |          |
| 29                 | South Western Rivers division, Kochi    | 29              | 23          | 28         | 2         | 25         |          |          | 8          | 2        |
| 30                 | Southern Rivers division, Coimbatore    | 22              | 22          | 22         |           | 22         |          |          | 18         |          |
| 31                 | Tapi Division, Surat                    | 50              | 50          | 23         | 6         | 21         |          |          | 22         |          |
| 32                 | Upper Brahmaputra Division, Dibrugarh   | 41              | 41          |            |           |            |          | 1        |            |          |
| 33                 | Upper Godavari Division, Hyderabad      | 27              | 26          | 25         | 1         | 8          |          |          | 2          | 1        |
| 34                 | Upper Krishna Division, Pune            | 24              | 20          | 24         |           | 21         |          | 1        | 24         | 1        |
| 35                 | Upper Yamuna Division, New Delhi        | 46              | 42          | 43         | 1         |            |          |          |            |          |
| 36                 | Wainganga Division, Nagpur              | 60              | 60          | 32         |           |            |          |          |            |          |
| <b>Grand Total</b> |                                         | <b>1192</b>     | <b>1137</b> | <b>838</b> | <b>22</b> | <b>241</b> | <b>4</b> | <b>5</b> | <b>235</b> | <b>7</b> |

### Division wise details of Exclusive Met sites

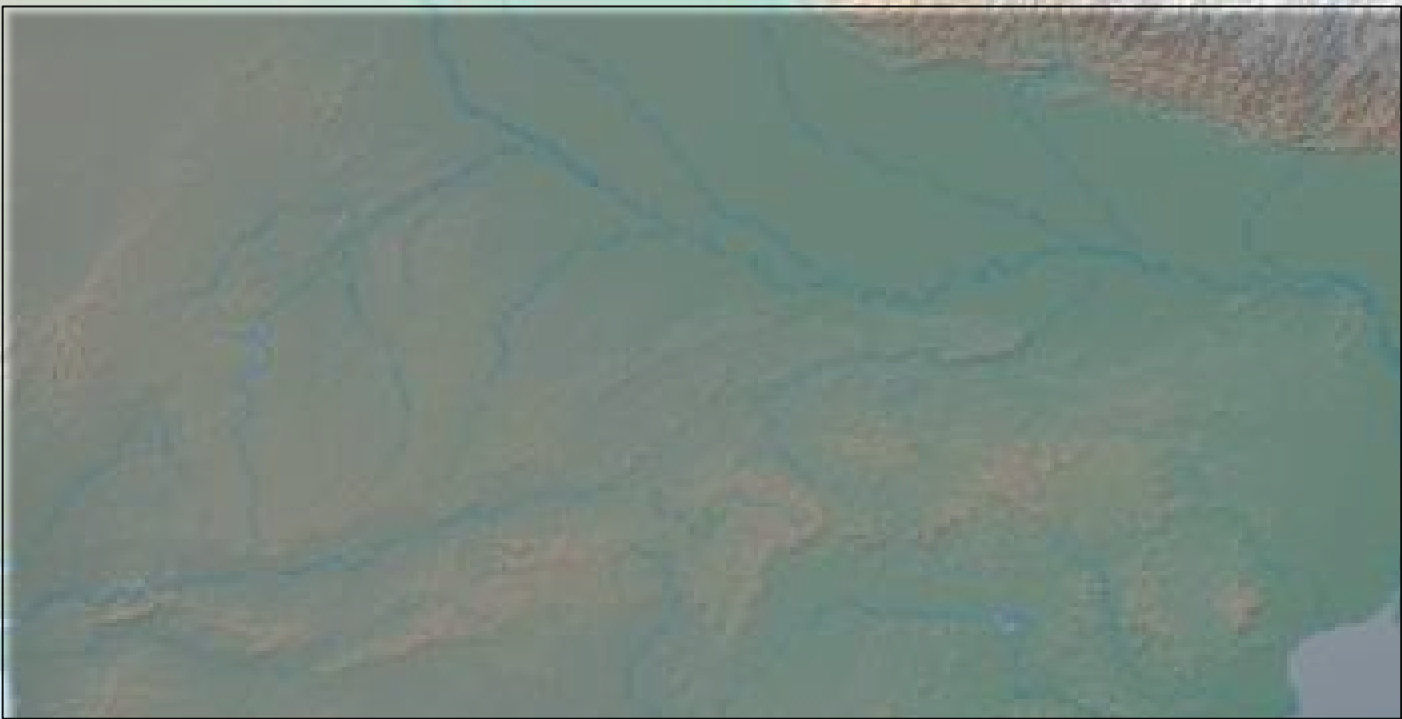
| S.No.              | Division                               | Total Exclusive Met Sites | Rf        | Mt        | Wv        | Pe        | Hu        | Ss        | Sf        | Ar |
|--------------------|----------------------------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| 1                  | Chenab Division, Jammu                 | 1                         | 1         |           |           |           |           |           | 1         |    |
| 2                  | Damodar Division, Asansol              | 5                         | 5         |           |           |           |           |           |           |    |
| 3                  | Eastern Rivers Division, Bhubaneswar   | 1                         | 1         |           |           |           |           |           |           |    |
| 4                  | Himalayan Ganga Division, Haridwar     | 7                         | 7         | 5         | 5         | 5         | 5         | 5         | 5         |    |
| 5                  | Mahanadi Division, Burla               | 6                         | 6         | 3         |           | 1         | 1         |           |           |    |
| 6                  | Mahi Division, Gandhinagar             | 2                         | 2         |           |           |           |           |           |           |    |
| 7                  | Middle Ganga Division-II, Lucknow      | 4                         | 4         |           |           |           |           |           |           |    |
| 8                  | Middle Brahmaputra Division, Guwahati  | 2                         | 2         |           |           |           |           |           |           |    |
| 9                  | Narmada Division, Bhopal               | 2                         | 2         |           |           |           |           |           |           |    |
| 10                 | NEID-II Aizawl                         | 2                         | 2         | 1         | 1         | 1         |           |           |           |    |
| 11                 | NEID-III, Itanagar                     | 12                        | 12        | 12        | 12        | 12        | 12        | 12        | 10        |    |
| 12                 | P&ID, Faridabad                        | 7                         | 7         |           |           |           |           |           | 2         |    |
| 13                 | Snow Hydrology Division, Shimla        | 5                         | 5         | 5         |           |           | 3         |           | 5         |    |
| 14                 | Sikkim Investigation Division, Gangtok | 2                         | 2         |           |           |           |           |           |           |    |
| 15                 | Tapi Division, Surat                   | 5                         | 5         |           |           |           |           |           |           |    |
| 16                 | Upper Brahmaputra Division, Dibrugarh  | 9                         | 9         |           |           |           |           |           |           |    |
| 17                 | Upper Godavari Division, Hyderabad     | 1                         | 1         |           |           |           |           |           |           |    |
| 18                 | Wainganga Division, Nagpur             | 8                         | 8         |           |           |           |           |           |           |    |
| <b>Grand Total</b> |                                        | <b>81</b>                 | <b>81</b> | <b>26</b> | <b>18</b> | <b>19</b> | <b>21</b> | <b>17</b> | <b>23</b> |    |

# BRAHMAPUTRA BASIN ORGANISATION





**UDAIPUR SITE ON RIVER TIRAP**



**BHOMORAGURI SITE ON RIVER BRAHMAPUTRA**



**GAUGE & FF SITE TEZPUR ON RIVER BRAHMAPUTRA**

| Details of the Meteorological Observations on HO/FF Stations |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Region                                                       | Brahmaputra Basin Organisation, Guwahati                  |
| Circle                                                       | Hydrological Observation & Investigation Circle, Guwahati |
| Division                                                     | Middle Brahmaputra Division, Guwahati                     |
| TOTAL NUMBER OF SITES: 20                                    |                                                           |
| Basin: Brahmaputra                                           |                                                           |

| Sl.No | Site                  | State | District       | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|-----------------------|-------|----------------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 1.    | Aie NH Crossing       | Assam | Barpeta        | HO             | Aie             | 26.4975      | 90.6547       | Rf<br>Hu             | 16/12/1991<br>16/12/1991                             |
| 2.    | Bahalpur              | Assam | Barpeta        | HO             | Champamati      | 26.3182      | 90.4695       | Rf<br>Hu             | 01/01/1992<br>01/01/1992                             |
| 3.    | Beki Road Bridge      | Assam | Barpeta        | HO / FF        | Beki            | 26.4941      | 90.9162       | Rf<br>Mt<br>Hu       | 01/01/1971<br>01/01/1971<br>16/06/2003               |
| 4.    | Dangar Reserve Forest | Assam | Baksa (BTAD)   | HO             | Puthimari       | 26.775       | 91.6892       | Rf<br>Hu             | 05/01/1972<br>05/01/1972                             |
| 5.    | Dhubri                | Assam | Barpeta        | HO / FF        | Brahmaputra     | 26.0167      | 89.9903       | Rf<br>Hu             | 24/05/1905<br>24/05/1905                             |
| 6.    | Dudhnoi               | Assam | Goalpara       | HO             | Dhudnoi         | 25.9806      | 90.7906       | Mt<br>Hu             | 15/05/1989<br>01/07/1989                             |
| 7.    | Goalpara              | Assam | Goalpara       | HO / FF        | Brahmaputra     | 26.2042      | 90.5814       | Rf<br>Hu             | 05/01/1971<br>05/01/1971                             |
| 8.    | Guwahati D.C Court    | Assam | Kamrup (Metro) | HO / FF        | Brahmaputra     | 26.19027     | 91.745        | Rf                   | 15/05/2019                                           |
| 9.    | Kokrajhar             | Assam | Kokrajhar      | HO / FF        | Gaurang         | 26.3964      | 90.2544       | Rf<br>Mt<br>Wv       | 01/01/1985<br>01/01/1985<br>21/08/1971               |
| 10.   | Kulsi                 | Assam | Kamrup (Rural) | HO             | Kulsi           | 25.9792      | 91.3858       | Mt<br>Hu             | 05/01/1990<br>05/01/1990                             |
| 11.   | Manas NH Crossing     | Assam | Barpeta        | HO / FF        | Manas           | 26.4645      | 90.7494       | Rf<br>Mt<br>Wv<br>Hu | 01/01/1976<br>27/11/2003<br>27/11/2003<br>27/11/2003 |
| 12.   | Mathanguri            | Assam | Barpeta        | HO / FF        | Beki            | 26.7819      | 90.9572       | Rf<br>Hu             | 01/01/1976<br>01/01/1976                             |

| Sl.No | Site                            | State | District          | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|---------------------------------|-------|-------------------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 13.   | Matunga                         | Assam | Baksa<br>(BTAD)   | HO             | Kalanadi        | 26.7917      | 91.5356       | Rf<br>Hu             | 15/05/1978<br>15/05/1978                             |
| 14.   | Pagladiya N.T.<br>Road Crossing | Assam | Nalbari           | HO / FF        | Pagladiya       | 26.4508      | 91.4603       | Rf<br>Hu             | 15/05/1971<br>15/05/1971                             |
| 15.   | Panbari                         | Assam | Barpeta           | HO             | Burisuti        | 26.5917      | 90.829        | Rf<br>Hu             | 01/01/1979<br>01/01/1979                             |
| 16.   | Pancharatna                     | Assam | Goalpara          | HO             | Brahmaputra     | 26.2094      | 90.5533       | Rf<br>Mt<br>Wv<br>Hu | 01/12/1990<br>18/07/1976<br>21/02/1979<br>21/02/1979 |
| 17.   | Pandu                           | Assam | Kamrup<br>(Metro) | HO             | Brahmaputra     | 26.1753      | 91.6694       | Mt<br>Wv             | 05/01/1999<br>05/01/1999                             |
| 18.   | Puthimari NH<br>Road Crossing   | Assam | Kamrup            | HO / FF        | Puthimari       | 26.3667      | 91.6533       | Rf<br>Hu             | 15/05/1973<br>15/05/1973                             |
| 19.   | Sonapur                         | Assam | Kamrup<br>(Rural) | HO             | Digarua         | 26.1204      | 91.9784       | Rf<br>Mt<br>Wv<br>Hu | 01/07/1989<br>01/07/1989<br>01/07/1989<br>01/07/1989 |
| 20.   | Suklai                          | Assam | Baksa<br>(BTAD)   | HO             | Brahmaputra     | 26.6539      | 91.7153       | Mt<br>Hu             | 05/01/1978<br>05/01/1978                             |

| Details of the Exclusive Meteorological Observation Stations |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Region                                                       | Brahmaputra Basin Organisation, Guwahati                  |
| Circle                                                       | Hydrological Observation & Investigation Circle, Guwahati |
| Division                                                     | Middle Brahmaputra Division, Guwahati                     |
| TOTAL NUMBER OF SITES: 2                                     |                                                           |
| Basin: Brahmaputra                                           |                                                           |

| Sl.No | Site                 | State | District       | HO/FF/HOIW | River Tributary     | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|----------------------|-------|----------------|------------|---------------------|--------------|---------------|----------|---------------|
| 1     | MSD Barpeta Road     | Assam | Barpeta        | Met        | Ganga / Brahmaputra | 26.0000      | 90.9167       | Rf       | 1989          |
| 2     | CWC Campus, Guwahati | Assam | Kamrup (Metro) | Met        | Ganga / Brahmaputra | 26.16027     | 91.6800       | Rf       | 06-04-2019    |

| Details of the Meteorological Observations on HO/FF Stations |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Region                                                       | Brahmaputra Basin Organization, Guwahati                  |
| Circle                                                       | Hydrological Observation & Investigation Circle, Guwahati |
| Division                                                     | North Eastern Investigation Division-III, Itanagar        |
| TOTAL NUMBER OF SITES: 01                                    |                                                           |
| Basin: Brahmaputra                                           |                                                           |

| Sl.No | Site         | State             | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|--------------|-------------------|----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.    | China Bridge | Arunachal Pradesh | Tawang   | HO             | Mago Chu        | 27.5817      | 91.9811       | Rf       | 21/04/2014    |

| Details of the Exclusive Meteorological Observation Stations |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Region                                                       | Brahmaputra Basin Organization, Guwahati                  |
| Circle                                                       | Hydrological Observation & Investigation Circle, Guwahati |
| Division                                                     | North Eastern Investigation Division-III, Itanagar        |
| TOTAL NUMBER OF SITES: 12                                    |                                                           |
| Basin: Brahmaputra                                           |                                                           |

| Sl.No | Site     | State             | District   | HO/FF/<br>HOIW | River Tributary    | Latitude(°N) | Longitude(°E) | Met Para                               | Date of Start |
|-------|----------|-------------------|------------|----------------|--------------------|--------------|---------------|----------------------------------------|---------------|
| 1.    | Chimpu   | Arunachal Pradesh | Papum Pare | Met            | Ganga /Brahmaputra | 27.0671      | 93.6006       | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu       | 24/12/2016    |
| 2.    | Jang     | Arunachal Pradesh | Tawang     | Met            | Ganga /Brahmaputra | 27.5818      | 91.9809       | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu       | 25/12/2016    |
| 3.    | Sela Top | Arunachal Pradesh | Tawang     | SG&Met         | Ganga /Brahmaputra | 27.515747    | 92.0974580    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 15/06/2016    |
| 4.    | RA-III   | Arunachal Pradesh | Tawang     | SG&Met         | Ganga /Brahmaputra | 27.549319    | 92.0250310    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 05/07/2016    |

| Sl.No | Site                     | State             | District    | HO/FF/<br>HOIW | River Tributary    | Latitude(°N) | Longitude(°E) | Met Para                               | Date of Start |
|-------|--------------------------|-------------------|-------------|----------------|--------------------|--------------|---------------|----------------------------------------|---------------|
| 5.    | Lumla                    | Arunachal Pradesh | Tawang      | SG&Met         | Ganga /Brahmaputra | 27.547983    | 91.7327830    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 20/07/2016    |
| 6.    | Zemithang                | Arunachal Pradesh | Tawang      | SG&Met         | Ganga /Brahmaputra | 27.726667    | 91.7967330    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 05/08/2016    |
| 7.    | Kalaktang                | Arunachal Pradesh | West Kameng | SG&Met         | Ganga /Brahmaputra | 27.179028    | 27.1790280    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 29/09/2016    |
| 8.    | Sangti                   | Arunachal Pradesh | West Kameng | SG&Met         | Ganga /Brahmaputra | 27.273950    | 92.2543500    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 24/12/2016    |
| 9.    | Chander                  | Arunachal Pradesh | West Kameng | SG&Met         | Ganga /Brahmaputra | 27.381433    | 92.343833     | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 30/07/2017    |
| 10.   | Pankang Teng<br>Tso Lake | Arunachal Pradesh | Tawang      | SG&Met         | Ganga /Brahmaputra | 27.635650    | 91.8570670    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 07/07/2017    |
| 11.   | Mechuka                  | Arunachal Pradesh | Shi-Yomi    | SG&Met         | Ganga /Brahmaputra | 28.597325    | 94.1410750    | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 01/05/2017    |

|     |       |                   |               |        |                    |           |            |                                        |            |
|-----|-------|-------------------|---------------|--------|--------------------|-----------|------------|----------------------------------------|------------|
| 12. | Anini | Arunachal Pradesh | Dibang Valley | SG&Met | Ganga /Brahmaputra | 28.784761 | 95.9013500 | Rf<br>Mt<br>Wv<br>Pe<br>Ss<br>Hu<br>Sf | 01/02/2018 |
|-----|-------|-------------------|---------------|--------|--------------------|-----------|------------|----------------------------------------|------------|

| Details of the Meteorological Observations on HO/FF Stations |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Region                                                       | Brahmaputra Basin Organisation, Guwahati                  |
| Circle                                                       | Hydrological Observation & Investigation Circle, Guwahati |
| Division                                                     | Upper Brahmaputra Division, Dibrugarh                     |
| TOTAL NUMBER OF SITES: 41                                    |                                                           |
| Basin: Brahmaputra                                           |                                                           |

| Sl.No | Site               | State             | District                  | HO/FF/<br>HOIW | River Tributary             | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|--------------------|-------------------|---------------------------|----------------|-----------------------------|--------------|---------------|----------|---------------|
| 1.    | Bhalukpong         | Arunachal Pradesh | West Kameng               | HO             | Brahmaputra / Kameng        | 27.0168      | 92.6422       | Rf       | 15/09/1980    |
| 2.    | Kabu Basti         | Arunachal Pradesh | Upper Siang               | HO             | Brahmaputra / Siang / Siyum | 28.19277     | 94.77027      | Rf       | 15/05/2003    |
| 3.    | Kibithu            | Arunachal Pradesh | Anjaw                     | HO             | Brahmaputra / Lohit         | 28.2572      | 97.0258       | Rf       | 04-12-2006    |
| 4.    | Lemeking           | Arunachal Pradesh | Upper Subansiri Changlang | HO             | Brahmaputra / Subansiri     | 28.371944    | 93.56666      | Rf       | 04-12-2006    |
| 5.    | Miao               | Arunachal Pradesh | Changlang                 | HO             | Brahmaputra / Noa-Dehing    | 27.4869      | 96.2094       | Rf       | 15/05/1977    |
| 6.    | Motipur (seasonal) | Arunachal Pradesh | Changlang                 | HO             | Brahmaputra / Noa-Dehing    | 27.51166     | 96.15444      | Rf       | 12-05-2000    |
| 7.    | Namsai             | Arunachal Pradesh | Namsai                    | HO             | Brahmaputra / Noa-Dehing    | 27.6661      | 95.8303       | Rf       | 15/05/1977    |
| 8.    | Pasighat           | Arunachal Pradesh | East Siang                | HO             | Siang                       | 28.0731      | 95.3403       | Rf       | 18/05/1971    |
| 9.    | Seppa              | Arunachal Pradesh | East Kameng               | HO             | Brahmaputra / Kameng        | 27.3558      | 93.0453       | Rf       | 15/05/1995    |
| 10.   | Tezu               | Arunachal Pradesh | Lohit                     | HO             | Brahmaputra / Lohit         | 27.9108      | 96.1706       | Rf       | 21/06/1971    |

| Sl.No | Site           | State             | District      | HO/FF/<br>HOIW | River Tributary                | Latitude(°N) | Longitude(°E) | Met Para  | Date of Start            |
|-------|----------------|-------------------|---------------|----------------|--------------------------------|--------------|---------------|-----------|--------------------------|
| 11.   | Tuting         | Arunachal Pradesh | Upper Siang   | HO             | Brahmaputra / Siang            | 28.985       | 94.9004       | Rf<br>FCS | 12/04/2006<br>12/04/2006 |
| 12.   | Parsuramkund   | Arunachal Pradesh | Lohit         | HO             | Lohit                          | 27.8778      | 96.3596       | Rf        | 04-11-2019               |
| 13.   | Pangin         | Arunachal Pradesh | Siang         | HO             | Siang                          | 28.2337      | 95.0026       | Rf        | 25/10/2016               |
| 14.   | Yingkiong      | Arunachal Pradesh | Upper Siang   | HO             | Siang                          | 28.6618      | 95.0128       | Rf        | 01-07-2018               |
| 15.   | Badatighat     | Assam             | Lakhimpur     | HO / FF        | Brahmaputra / Subansiri        | 26.9347      | 93.9622       | Rf        | 16/05/1971               |
| 16.   | Bhomoraguri    | Assam             | Sonitpur      | HO             | Brahmaputra                    | 26.6103      | 92.8603       | Rf        | 01-06-1978               |
| 17.   | Bihubar        | Assam             | Sivasagar     | HO             | Brahmaputra / Dikhow           | 26.8558      | 94.7994       | Rf        | 15/05/1977               |
| 18.   | Bokajan        | Assam             | Karbi Anglong | HO             | Brahmaputra / Dhansiri (South) | 26.0161      | 93.7872       | Rf        | 16/05/1974               |
| 19.   | Chenimari      | Assam             | Dibrugarh     | HO / FF        | Brahmaputra / Buri-Dehing      | 27.3114      | 94.8826       | Rf        | 17/05/1971               |
| 20.   | Chouldhowaghat | Assam             | Lakhimpur     | HO / FF        | Brahmaputra / Subansiri        | 27.4475      | 94.2528       | Rf        | 01-06-1971               |
| 21.   | Desangpani     | Assam             | Sibsagar      | HO             | Brahmaputra / Desang           | 27.0472      | 94.9125       | Rf        | 15/05/1977               |
| 22.   | Dharamtul      | Assam             | Morigaon      | HO / FF        | Brahmaputra / Kopili           | 26.1662      | 92.3554       | Rf        | 15/05/1974               |

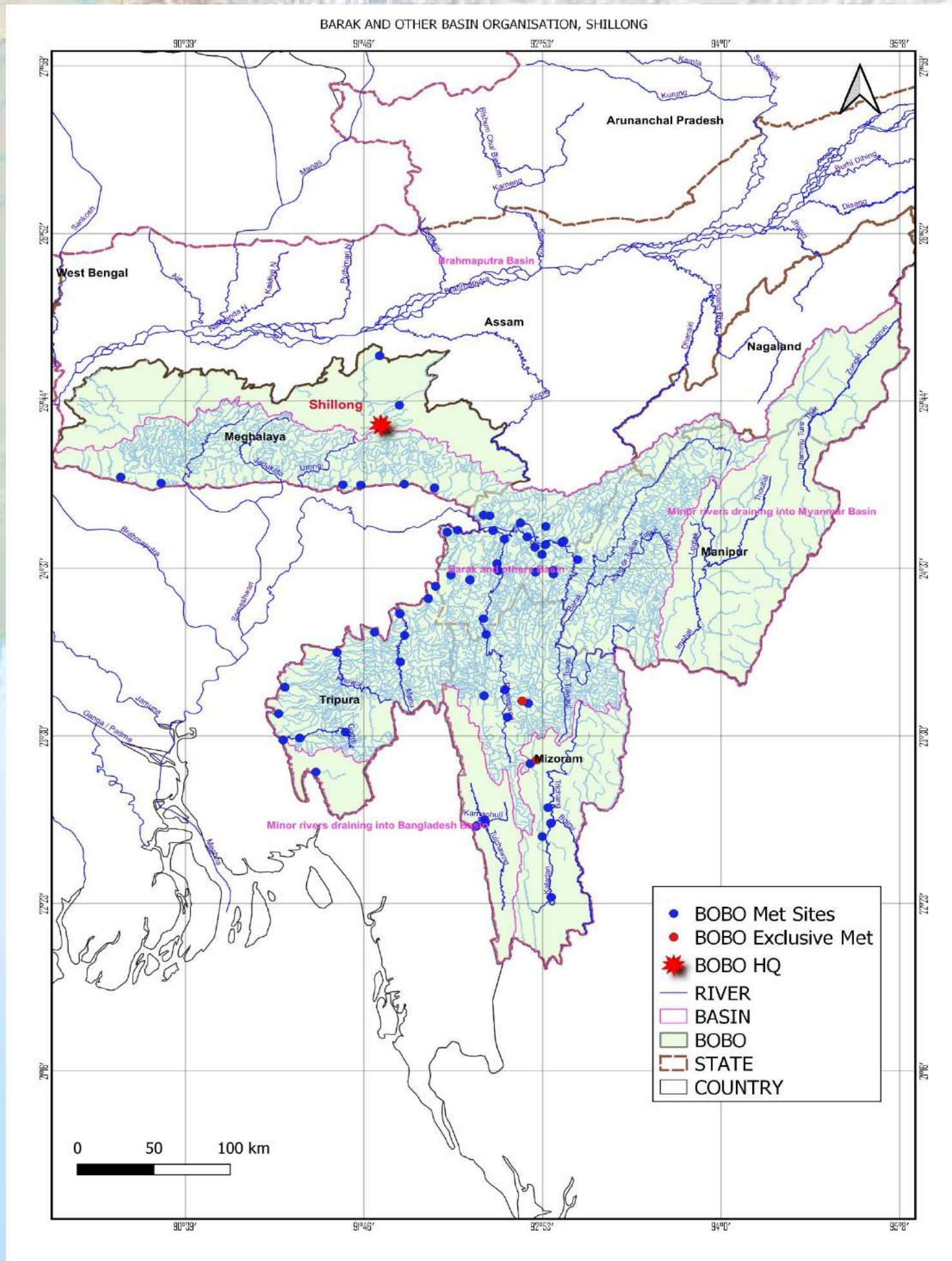
| Sl.No | Site                        | State | District         | HO/FF/<br>HOIW | River Tributary                            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------------------------|-------|------------------|----------------|--------------------------------------------|--------------|---------------|----------|---------------|
| 23.   | Dhola                       | Assam | Tinsukia         | HO             | Brahmaputra / Lohit                        | 27.7567      | 95.5839       | Rf       | 15/05/1971    |
| 24.   | Dibrugarh                   | Assam | Dibrugarh        | HO / FF        | Brahmaputra                                | 27.49888     | 94.90583      | Rf       | 16/06/1969    |
| 25.   | Dillighat                   | Assam | Dibrugarh        | HO             | Brahmaputra / Desang                       | 27.14        | 95.37         | Rf       | 15/05/1977    |
| 26.   | Gelabil                     | Assam | Sibsagar         | HO             | Brahmaputra / Dhansiri<br>(South) / Doyang | 26.2375      | 93.9836       | Rf       | 26/06/1978    |
| 27.   | Golaghat                    | Assam | Golaghat         | HO / FF        | Brahmaputra /<br>Dhansiri (South)          | 26.5033      | 93.9519       | Rf       | 15/05/1973    |
| 28.   | Jagibhakatgaon              | Assam | Morigaon         | HO             | Brahmaputra / Kopili                       | 26.1771      | 92.2176       | Rf       | 15/12/1980    |
| 29.   | Jiabharali<br>NT Road -Xing | Assam | Lakhimpur        | HO / FF        | Brahmaputra /<br>Jiabharali                | 26.8113      | 92.8798       | Rf       | 15/05/1975    |
| 30.   | Kampur                      | Assam | Nagaon           | HO / FF        | Brahmaputra /<br>Kopili                    | 26.1528      | 92.6536       | Rf       | 15/05/1974    |
| 31.   | Kheronighat                 | Assam | Karbi<br>Anglong | HO / FF        | Brahmaputra /<br>Kopili                    | 25.8483      | 92.8883       | Rf       | 15/06/1974    |
| 32.   | Margherita                  | Assam | Tinsukia         | HO             | Brahmaputra / Buri-<br>Dehing              | 27.2836      | 95.6628       | Rf       | 17/05/1971    |
| 33.   | Naharkatia                  | Assam | Dibrugarh        | HO / FF        | Brahmaputra / Buri-<br>Dehing              | 27.3005      | 95.3308       | Rf       | 01-05-1971    |
| 34.   | Nanglamoraghat              | Assam | Sibsagar         | HO / FF        | Brahmaputra / Disang                       | 26.985       | 94.7771       | Rf       | 17/07/1971    |

| Sl.No | Site                           | State | District  | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|--------------------------------|-------|-----------|----------------|-----------------------------------|--------------|---------------|----------|---------------|
| 35.   | Nematighat                     | Assam | Jorhat    | HO / FF        | Brahmaputra                       | 26.87        | 94.2522       | Rf       | 01-09-1969    |
| 36.   | Numaligarh                     | Assam | Golaghat  | HO / FF        | Brahmaputra / Dhansiri<br>(South) | 26.6312      | 93.7304       | Rf       | 01-06-1985    |
| 37.   | Ranganadi NT-<br>Road crossing | Assam | Lakhimpur | HO             | Brahmaputra /<br>Ranganadi        | 27.2043      | 94.0596       | Rf       | 15/05/1978    |
| 38.   | Sivasagar                      | Assam | Sivasagar | HO / FF        | Brahmaputra /<br>Dikhow           | 26.9819      | 94.5792       | Rf       | 01-06-1997    |
| 39.   | Tezpur                         | Assam | Sonitpur  | HO / FF        | Brahmaputra                       | 26.6156      | 92.7967       | Rf       | 15/05/1972    |
| 40.   | Udaipur                        | Assam | Tinsukia  | HO             | Brahmaputra /<br>Tirap            | 27.3371      | 95.8502       | Rf       | 28/02/1990    |
| 41.   | Bogibeel                       | Assam | Dibrugarh | HO             | Brahmaputra                       | 27.39722     | 94.785        | Rf       | 06-06-2019    |

| Details of the Exclusive Meteorological Observation Stations |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Region                                                       | Brahmaputra Basin Organisation, Guwahati                  |
| Circle                                                       | Hydrological Observation & Investigation Circle, Guwahati |
| Division                                                     | Upper Brahmaputra Division, Dibrugarh                     |
| TOTAL NUMBER OF SITES: 9                                     |                                                           |
| Basin: Brahmaputra                                           |                                                           |

| Sl.No | Site            | State             | District    | HO/FF/<br>HOIW | River<br>Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------------|-------------------|-------------|----------------|--------------------|--------------|---------------|----------|---------------|
| 1.    | Bille           | Arunachal Pradesh | West Siang  | Met & FF       | -                  | 28.383333    | 94.6833330    | Rf       | 22/05/2007    |
| 2.    | Routang         | Arunachal Pradesh | East Siang  | Met & FF       | -                  | 28.142500    | 95.1630560    | Rf       | 20/04/2007    |
| 3.    | Kane (Magigaon) | Arunachal Pradesh | West Siang  | Met & FF       | -                  | 27.720000    | 94.6422220    | Rf       | 01/06/2007    |
| 4.    | Ningguing       | Arunachal Pradesh | Upper Siang | Met & FF       | -                  | 28.955278    | 94.8247220    | Rf       | 01/10/2007    |
| 5.    | Bamdo           | Arunachal Pradesh | Upper Siang | Met & FF       | -                  | 28.753611    | 94.900833     | Rf       | 07/06/2007    |
| 6.    | Yingkiong       | Arunachal Pradesh | Upper Siang | Met & FF       | -                  | 28.643610    | 95.0169440    | Rf       | 27/09/2007    |
| 7.    | Basudevthan     | Assam             | Lakhimpur   | Met & FF       | -                  | 27.218056    | 94.3388890    | Rf       | 26/04/2007    |
| 8.    | Kangkoo Basti   | Assam             | Dhemaji     | Met & FF       | -                  | 27.570833    | 94.4930560    | Rf       | 27/04/2007    |
| 9.    | Neriwalm        | Assam             | Sonitpur    | Met & FF       | -                  | 26.640278    | 92.8172220    | Rf       | 12.09.2017    |

# BARAK AND OTHER BASIN ORGANISATION





**TERABONIA SITE ON RIVER JURI**



**TUIRIAL SITE, NEID-II ON RIVER TUIRIAL**



**NEID-II OFFICE CAMPUS, AIZAWL**

| Details of the Meteorological Observations on HO/FF Stations |                                               |
|--------------------------------------------------------------|-----------------------------------------------|
| Region                                                       | Barak and Other Basins Organisation, Shillong |
| Circle                                                       | Meghna Circle, Silchar                        |
| Division                                                     | Meghna Division, Silchar                      |
| TOTAL NUMBER OF SITES-27                                     |                                               |
| Basin: Barak & Other Basin                                   |                                               |

| Sl.No | Site        | State | District   | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------|-------|------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 1.    | Anipur      | Assam | Karimganj  | HO             | Meghna          | 24.54397     | 92.43356      | Rf<br>Mt | 18/11/2008<br>01/01/1989 |
| 2.    | Monierkhal  | Assam | Cachar     | HO             | Meghna / Sonai  | 24.58361     | 92.95583      | Rf<br>Mt | 01/03/2001<br>08/12/1988 |
| 3.    | Tulargram   | Assam | Cachar     | HO             | Sonai           | 24.71443     | 92.88499      | Rf<br>Mt | 01/01/1997<br>01/01/1989 |
| 4.    | Borkhola    | Assam | Cachar     | HO             | Jatinga         | 24.92467     | 92.74971      | Rf       | 01-10-2021               |
| 5.    | Chiripool   | Assam | Cachar     | HO             | Chiri           | 24.80352     | 93.02099      | Rf       | 11-09-2021               |
| 6.    | Kalain      | Assam | Cachar     | HO             | Kakrakhal       | 24.9731      | 92.5568       | Rf       | 11-09-2021               |
| 7.    | Katigora    | Assam | Cachar     | HO             | Katakhal        | 24.81653     | 92.64918      | Rf       | 02-09-2021               |
| 8.    | Lala        | Assam | Hailakandi | HO             | Katakhal        | 24.60466     | 92.61216      | Rf<br>Mt | 09/02/2021<br>09/02/2021 |
| 9.    | Neairgram   | Assam | Cachar     | HO             | Barak           | 24.76222     | 92.84028      | Rf<br>Mt | 14/09/2021<br>14/09/2021 |
| 10.   | Patharkandi | Assam | Karimganj  | HO             | Longai          | 24.57701     | 92.31392      | Rf       | 02-09-2021               |

| Sl.No | Site        | State   | District      | HO/FF/<br>HOIW | River Tributary            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------|---------|---------------|----------------|----------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Sibapur     | Assam   | Cachar        | HO             | Barak                      | 24.78085     | 92.90868      | Rf       | 09-07-2021               |
| 12.   | Udharbond   | Assam   | Cachar        | HO             | Madhura                    | 24.9012      | 92.9084       | Rf       | 14/09/2021               |
| 13.   | Sairang     | Mizoram | Aizawl        | HO             | Meghna / Dhaleswari        | 23.8107      | 92.65229      | Rf<br>Mt | 01/07/2004<br>08/09/1992 |
| 14.   | Tuirial     | Mizoram | Aizawl        | HO             | Meghna / Tuirial           | 23.71944     | 92.79917      | Rf<br>Mt | 01/07/1998<br>01/06/2002 |
| 15.   | Amarpur     | Tripura | South Tripura | HO             | Gumti                      | 23.52746     | 91.6538       | Rf       | 03-05-2014               |
| 16.   | Gajaria     | Tripura | West Tripura  | HO             | Meghna / Burima /<br>Bijoy | 23.65049     | 91.23369      | Rf<br>Mt | 01/03/1988<br>01/04/1986 |
| 17.   | Haora       | Tripura | West Tripura  | HO             | Meghna / Haora             | 23.8264      | 91.27292      | Rf<br>Mt | 18/04/1986<br>01/01/2017 |
| 18.   | Kailashahar | Tripura | Unakoti       | HO / FF        | Manu                       | 24.31727     | 91.99451      | Rf<br>Mt | 01/04/1986<br>02/07/1993 |
| 19.   | Kamalpur    | Tripura | Dhalai        | HO             | Meghna / Dhalai            | 24.19409     | 91.83578      | Rf<br>Mt | 01/07/1993<br>07/01/1985 |
| 20.   | Khowai      | Tripura | West Tripura  | HO             | Meghna / Khowai            | 24.06026     | 91.59908      | Rf<br>Mt | 01/01/1992<br>01/01/2017 |
| 21.   | Kumarghat   | Tripura | North Tripura | HO             | Meghna / Manu              | 24.1739      | 92.02379      | Rf<br>Mt | 01/10/1993<br>01/03/1991 |
| 22.   | Manughat    | Tripura | Dholai        | HO             | Manu                       | 23.99569     | 91.99695      | Rf       | 12-05-2014               |

| Sl.No                                        | Site        | State   | District      | HO/FF/<br>HOIW | River Tributary          | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|----------------------------------------------|-------------|---------|---------------|----------------|--------------------------|--------------|---------------|----------|--------------------------|
| 23.                                          | Nutanbazar  | Tripura | North Tripura | HO             | Meghna / Juri /<br>Gomti | 24.41952     | 92.17225      | Rf<br>Mt | 01/07/1993<br>01/01/1984 |
| 24.                                          | Sonamura    | Tripura | Sepahijala    | HO / FF        | Gumti                    | 23.47393     | 91.26227      | Rf<br>Mt | 01/04/1992<br>01/01/1984 |
| 25.                                          | Kadamtala   | Tripura | North Tripura | HO             | Talgang                  | 24.50122     | 92.2175       | Rf       | 02-09-2021               |
| 26.                                          | Sonamura-II | Tripura | Sepahijala    | HO             | Gumti                    | 23.48717     | 91.36608      | Rf       | 01-09-2021               |
| Basin: Minor Rivers Draining into Bangladesh |             |         |               |                |                          |              |               |          |                          |
| 27.                                          | Belonia     | Tripura | South Tripura | HO             | Meghna / Muhari          | 23.26007     | 91.46786      | Rf<br>Mt | 01/05/1986<br>11/06/1985 |

| Details of the Meteorological Observations on HO/FF Stations |                                               |
|--------------------------------------------------------------|-----------------------------------------------|
| Region                                                       | Barak and Other Basins Organisation, Shillong |
| Circle                                                       | Meghna Circle, Silchar                        |
| Division                                                     | Meghna Investigation Division, Shillong       |
| TOTAL NUMBER OF SITES-19                                     |                                               |
| Basin: Barak & Other Basin                                   |                                               |

| Sl.No | Site            | State | District   | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------|-------|------------|----------------|-----------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Amraghat        | Assam | Cachar     | HO             | Sonai                             | 24.60786     | 92.95428      | Rf       | 01-05-1973               |
| 2.    | Anna Purna Ghat | Assam | Cachar     | HO / FF        | Meghna                            | 24.83183     | 92.7927       | Rf<br>Mt | 01/05/1972<br>01/06/2000 |
| 3.    | Badarpur ghat   | Assam | Karimganj  | HO / FF        | Barak                             | 24.87362     | 92.57789      | Rf<br>Mt | 04/01/1998<br>04/01/1998 |
| 4.    | Dholai          | Assam | Cachar     | HO             | Barak / Rukni                     | 24.596       | 92.8441       | Rf<br>Mt | 01/05/1973<br>01/06/1999 |
| 5.    | Fakirabazar     | Assam | Karimganj  | HO             | Kushiyara / Longai                | 24.86186     | 92.29102      | Rf<br>Mt | 01/01/1991<br>01/06/1999 |
| 6.    | Fulertal        | Assam | Cachar     | HO             | Barak                             | 24.79358     | 93.00839      | Rf<br>Mt | 01/05/1972<br>01/07/2000 |
| 7.    | Gharmura        | Assam | Hailakandi | HO             | Dhaleswari                        | 24.28487     | 92.51728      | Rf       | 01-05-1973               |
| 8.    | Gumrabazar      | Assam | Cachar     | HO             | Meghna / Surma /<br>Gumra         | 24.97745     | 92.51901      | Rf<br>Mt | 06/01/1999<br>06/01/1999 |
| 9.    | Karimganj       | Assam | Karimganj  | HO / FF        | Kushiyara                         | 24.87686     | 92.35615      | Rf       | 01-05-1992               |
| 10.   | Matijuri        | Assam | Hailakandi | HO / FF        | Barak / Katakhal /<br>Dhaleshwari | 24.6518      | 92.60283      | Rf<br>Mt | 01/01/1995<br>01/07/1999 |

| Sl.No                           | Site        | State     | District           | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|---------------------------------|-------------|-----------|--------------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 11.                             | Chotabekra  | Manipur   | Jiribam            | HO             | Barak           | 24.68011     | 93.10825      | Rf       | 01-05-1972               |
| 12.                             | Dawki       | Meghalaya | Jaintia Hills      | HO             | Meghna / Umngot | 25.18463     | 92.02173      | Rf<br>Mt | 03/08/2011<br>01/06/2001 |
| 13.                             | Dimapara    | Meghalaya | South Garo Hills   | HO             | Meghna / Bugi   | 25.23048     | 90.24362      | Rf<br>Mt | 15/06/1982<br>01/06/2000 |
| 14.                             | Sibbari     | Meghalaya | South Garo Hills   | HO             | Meghna / Dareng | 25.19127     | 90.49778      | Rf<br>Mt | 11/06/1982<br>01/06/2000 |
| 15.                             | Therriaghat | Meghalaya | East Khasi Hills   | HO             | Umsohrynkiew    | 25.17822     | 91.74921      | Rf<br>Mt | 01/06/1982<br>01/06/2000 |
| 16.                             | Byrnihat    | Meghalaya | Ri-Bhoi            | HO             | Umtru           | 26.04139     | 91.86746      | Rf       | 01-10-2021               |
| 17.                             | Kharkhana   | Meghalaya | West Jaintia Hills | HO             | Myntdu / Meghna | 25.15891     | 92.21077      | Rf<br>Mt | 01/03/1997<br>01/07/2000 |
| 18.                             | Shella      | Meghalaya | East Khasi Hills   | HO             | Umiew           | 25.18042     | 91.63672      | Rf       | 01-07-2021               |
| <b>Basin: Brahmaputra Basin</b> |             |           |                    |                |                 |              |               |          |                          |
| 19.                             | Umroi       | Meghalaya | Ri- Bhoi           | HO             | Umiam           | 25.71122     | 91.99132      | Rf       | 01-07-2021               |

| Details of the Meteorological Observations on HO/FF Stations |                                               |
|--------------------------------------------------------------|-----------------------------------------------|
| Region                                                       | Barak and Other Basins Organisation, Shillong |
| Circle                                                       | North Eastern Investigation Circle, Shillong  |
| Division                                                     | NEID-II, Aizawl                               |
| TOTAL NUMBER OF SITES-11                                     |                                               |
| Basin: Barak & Other Basin                                   |                                               |

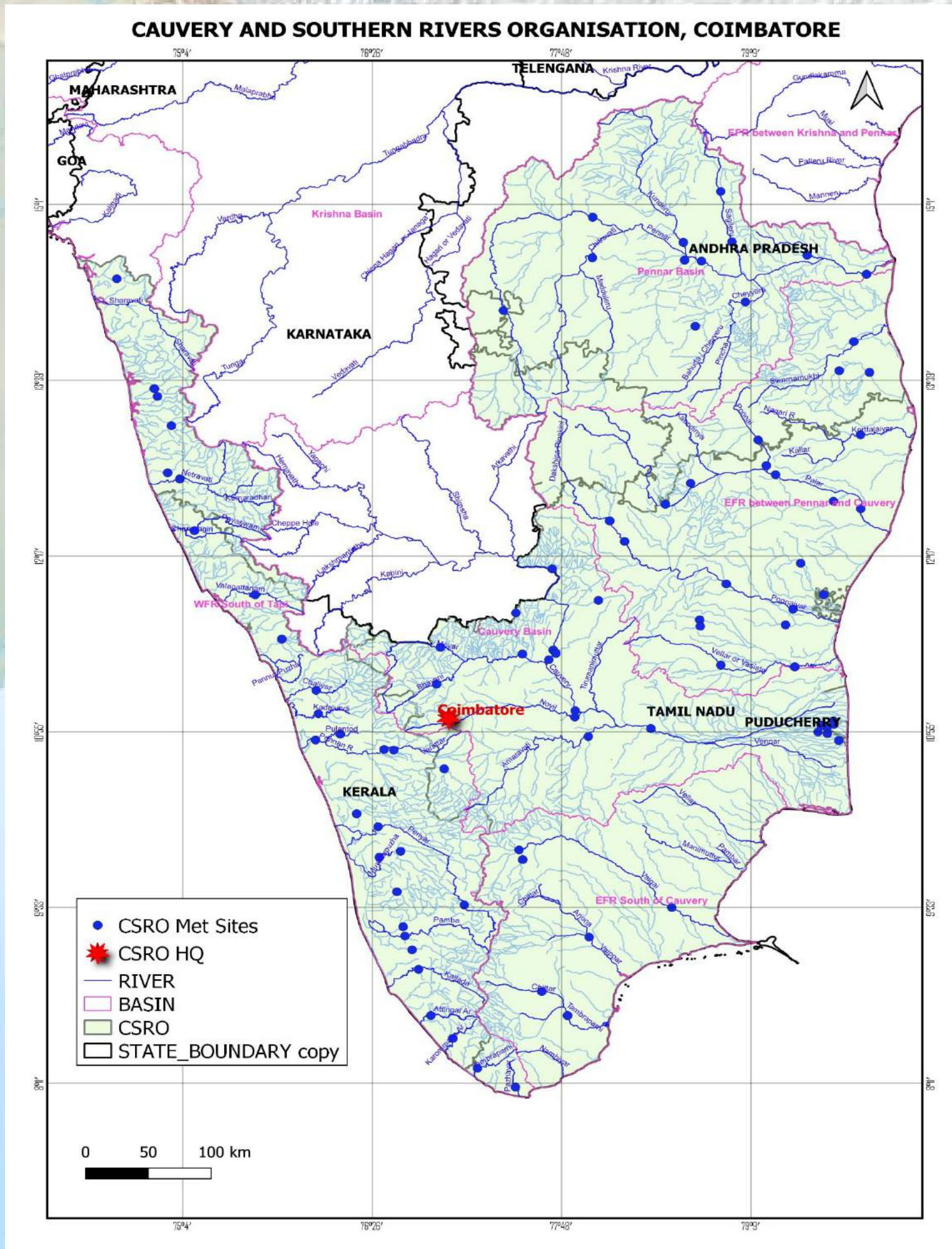
| Sl.No                                        | Site       | State   | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|----------------------------------------------|------------|---------|----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.                                           | Bairabi    | Mizoram | Kolasib  | HO             | Tlawng          | 24.1797      | 92.5355       | Rf       | 01-05-2017    |
| 2.                                           | Dapchhuah  | Mizoram | Mamit    | HO             | Tut             | 23.7694      | 92.5214       | Rf       | 01-05-2019    |
| 3.                                           | Tlawng HEP | Mizoram | Aizwal   | HO             | Tlawng          | 23.6269      | 92.6666       | Rf       | 01-01-2017    |
| Basin: Minor Rivers Draining into Bangladesh |            |         |          |                |                 |              |               |          |               |
| 4.                                           | Mateswari  | Mizoram | Lunglei  | HO             | Deh             | 22.9403      | 92.5265       | Rf       | 25/07/2013    |
| 5.                                           | Tlabung    | Mizoram | Lunglei  | HO             | Karnaphuli      | 22.8983      | 92.4738       | Rf       | 06-09-2013    |
| 6.                                           | Tuichawng  | Mizoram | Lunglei  | HO             | Tuichawng       | 22.9153      | 92.528        | Rf       | 08-11-2019    |
| Basin: Minor Rivers Draining into Myanmar    |            |         |          |                |                 |              |               |          |               |
| 7.                                           | Mat Sekawi | Mizoram | Lunglei  | HO             | Mat             | 22.8294      | 92.8866       | Rf       | 01-07-2010    |
| 8.                                           | Mat-1      | Mizoram | Sechip   | HO             | Mat             | 23.3162      | 92.8111       | Rf       | 23/09/2013    |

| Sl.No | Site        | State   | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-------------|---------|-----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 9.    | Sihtlangpui | Mizoram | Lawngtlai | HO             | Kolodyne        | 22.4236      | 92.9426       | Rf       | 01-01-2013    |
| 10.   | Tuichang    | Mizoram | Lunglei   | HO             | Tuichang        | 23.02234     | 92.92209      | Rf       | 05-06-2015    |
| 11.   | Tuipui 'D'  | Mizoram | Lunglei   | HO             | Kolodyne        | 22.9181      | 92.9413       | Rf       | 22/06/2013    |

| Details of the Exclusive Meteorological Observations Stations |                                               |
|---------------------------------------------------------------|-----------------------------------------------|
| Region                                                        | Barak and Other Basins Organisation, Shillong |
| Circle                                                        | North Eastern Investigation Circle, Shillong  |
| Division                                                      | NEID-II, Aizawl                               |
| TOTAL NUMBER OF SITES-02                                      |                                               |
| Basin: Barak & Other Basin                                    |                                               |

| Sl.No | Site            | State   | District | HO/FF/<br>HOIW | River<br>Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|-----------------|---------|----------|----------------|--------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 1.    | NEID II Aizawal | Mizoram | Aizawl   | HO             | -                  | 23.7347      | 92.7608       | Rf<br>Mt<br>Wv<br>Pe | 01/10/1992<br>12/01/2003<br>12/01/2003<br>12/10/2001 |
| 2.    | MISD            | Mizoram | Serchhip | HO             | -                  | 23.3414      | 92.8522       | Rf                   | 2014                                                 |

# CAUVERY & SOUTHERN RIVERS ORGANISATION





**SITE MUSIRI UNDER SRD, CWC, COIMBATORE ON RIVER CAUVERY**



**NEERWALAM, CWC, OFFICE AT CHENNAI**



**SITE BILIGUNDULU UNDER SRD, CWC, COIMBATORE ON RIVER CAUVERY**

| Details of the Meteorological Observations on HO/FF Stations |                                                    |
|--------------------------------------------------------------|----------------------------------------------------|
| Region                                                       | Cauvery & Southern Rivers Organization, Coimbatore |
| Circle                                                       | Cauvery & Southern Rivers Circle, Bengaluru        |
| Division                                                     | Hydrology Division, Chennai                        |
| TOTAL NUMBER OF SITES-39                                     |                                                    |
| Basin: Cauvery                                               |                                                    |

| Sl.No                                 | Site              | State          | District     | HO/FF/<br>HOIW | River Tributary                | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|---------------------------------------|-------------------|----------------|--------------|----------------|--------------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.                                    | Annavasal         | Puducherry     | Karaikal     | HO             | Cauvery / Nattar               | 10.97496     | 79.75374      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 28/11/2007<br>01/06/2002<br>01/10/2006<br>01/06/2006<br>05/05/2019 |
| 2.                                    | Nallathur         | Puducherry     | Karaikal     | HO             | Cauvery / Nandalar             | 11.00235     | 79.75147      | Rf<br>Mt<br>Wv<br>Hu       | 13/08/2018<br>01/08/2008<br>01/10/2008<br>01/06/2008               |
| 3.                                    | Gopurajapuram     | Tamil Nadu     | Nagapattinam | HO             | Cauvery /<br>Puravidaianar     | 10.85043     | 79.78953      | Rf<br>Mt<br>Wv<br>Hu       | 18/05/2013<br>01/06/2002<br>06/10/2006<br>01/02/2003               |
| 4.                                    | Menangudi         | Tamil Nadu     | Thiruvarur   | HO             | Cauvery / Noolar               | 10.94895     | 79.70354      | Rf<br>Mt<br>Wv<br>Hu       | 17/08/2018<br>01/07/1997<br>10/04/2007<br>01/01/2002               |
| 5.                                    | Peralam           | Tamil Nadu     | Thiruvarur   | HO             | Cauvery / Vanjiyar             | 10.96943     | 79.66159      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 03/05/2013<br>01/09/2002<br>01/12/2005<br>01/06/2002<br>23/04/2019 |
| 6.                                    | Porakudi          | Tamil Nadu     | Nagapattinam | HO             | Cauvery / Arasalar             | 10.90361     | 79.70722      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/2001<br>20/06/2001<br>30/07/2004<br>20/06/2001<br>23/07/2004 |
| 7.                                    | Thengudi          | Tamil Nadu     | Thiruvarur   | HO             | Cauvery /<br>Thirumalairajanar | 10.91622     | 79.6392       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/2001<br>20/06/2001<br>30/07/2004<br>20/06/2001<br>29/04/2019 |
| Basin: EFR between Pennar and Cauvery |                   |                |              |                |                                |              |               |                            |                                                                    |
| 8.                                    | Naidupet          | Andhra Pradesh | Nellore      | HO             | Swarnamukhi                    | 13.94722     | 79.89722      | Rf<br>Mt<br>Wv<br>Hu       | 01/03/1985<br>01/11/1985<br>01/07/2008<br>01/07/2008               |
| 9.                                    | Sulurpet          | Andhra Pradesh | Nellore      | HO             | Kalingi                        | 13.70778     | 80.01         | Rf<br>Mt<br>Wv<br>Hu       | 01/11/1989<br>01/11/1988<br>01/07/2008<br>01/04/2015               |
| 10.                                   | Narasingarayampet | Andhra Pradesh | Chittoor     | HO             | Palar / Poiny                  | 13.18339     | 79.20792      | Rf                         | 06-11-2021                                                         |

| Sl.No | Site          | State          | District        | HO/FF/<br>HOIW | River Tributary              | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|---------------|----------------|-----------------|----------------|------------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 11.   | Pallamala     | Andhra Pradesh | Chittor         | HO             | Kalingi                      | 13.72135     | 79.79213      | Rf                         | 21/12/2021                                                         |
| 12.   | Kumarapalayam | Puducherry     | Puducherry      | HO             | Varahanadhi                  | 11.98333     | 79.68056      | Rf<br>Mt<br>Wv             | 20/07/2019<br>01/11/2001<br>01/02/2022                             |
| 13.   | Arcot         | Tamil Nadu     | Ranipet         | HO             | Palar                        | 12.91389     | 79.33333      | Rf<br>Mt                   | 01/07/2018<br>20/09/1979                                           |
| 14.   | Chengalpet    | Tamil Nadu     | Chengalpet      | HO             | Palar                        | 12.65        | 79.94722      | Rf<br>Mt<br>Wv<br>Hu       | 26/07/2006<br>01/10/1978<br>01/07/2008<br>20/12/2013               |
| 15.   | Kudalaiyathur | Tamil Nadu     | Cuddalore       | HO             | Vellar                       | 11.42222     | 79.47222      | Rf<br>Mt                   | 02/07/2019<br>01/11/1989                                           |
| 16.   | Magaral       | Tamil Nadu     | Kancheepuram    | HO             | Palar / Cheyyar              | 12.70833     | 79.75         | Rf<br>Mt<br>Wv<br>Hu       | 01/09/1978<br>25/11/1971<br>01/07/2008<br>01/01/2015               |
| 17.   | Vazhavachanur | Tamil Nadu     | Thiruvannamalai | HO             | Ponnaiyar                    | 12.06583     | 78.97806      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 12/01/1990<br>21/07/1978<br>06/08/1981<br>01/06/2015<br>01/01/2017 |
| 18.   | Villupuram    | Tamil Nadu     | Villupuram      | HO             | Ponnaiyar                    | 11.87056     | 79.45944      | Rf<br>Mt<br>Wv<br>Hu       | 01/07/1994<br>18/07/1971<br>01/07/2008<br>05/01/2015               |
| 19.   | Kalpadai      | Tamil Nadu     | Kallakurichi    | HO             | Vellar /<br>Gomukhi Nadi(N)  | 11.78722     | 78.78658      | Rf<br>Wv                   | 13/03/2021<br>01/02/2022                                           |
| 20.   | Maniyampattu  | Tamil Nadu     | Villupuram      | HO             | Varahanadhi                  | 12.2263      | 79.5148       | Rf                         | 01-12-2021                                                         |
| 21.   | Mayambadi     | Tamil Nadu     | Kallakurichi    | HO             | Vellar /<br>Gomukhi Nadi (S) | 11.73736     | 78.79105      | Rf<br>Wv                   | 23/01/2021<br>01/02/2022                                           |
| 22.   | Melkalpoondi  | Tamil Nadu     | Cuddalore       | HO             | Vellar / Vashista River      | 11.43522     | 78.93879      | Rf<br>Wv                   | 11/11/2021<br>11/11/2021                                           |

| Sl.No                | Site            | State          | District     | HO/FF/<br>HOIW | River Tributary      | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|----------------------|-----------------|----------------|--------------|----------------|----------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 23.                  | Monnavedu       | Tamil Nadu     | Thirvallur   | HO             | Kosathalaiyar        | 13.22373     | 79.94528      | Rf<br>Wv                   | 01/11/2021<br>01/02/2022                                           |
| 24.                  | Nariyampattu    | Tamil Nadu     | Vellore      | HO             | Palar / Malattar     | 12.84778     | 78.72111      | Rf<br>Wv                   | 24/11/2020<br>01/04/2022                                           |
| 25.                  | Pennsewaramadam | Tamil Nadu     | Krishnagiri  | HO             | Ponnaiyar            | 12.39575     | 78.24591      | Rf<br>Mt<br>Wv             | 22/01/2021<br>02/02/2022<br>01/02/2022                             |
| 26.                  | Thirunavalur    | Tamil Nadu     | Kallakurichi | HO             | Gadilam              | 11.74841     | 79.40538      | Rf<br>Wv                   | 13/11/2020<br>01/02/2022                                           |
| 27.                  | Thiruvalam      | Tamil Nadu     | Vellore      | HO             | Palar / Poiny        | 12.98477     | 79.26721      | Rf                         | 23/11/2021                                                         |
| <b>Basin: Pennar</b> |                 |                |              |                |                      |              |               |                            |                                                                    |
| 28.                  | Alladupalli     | Andhra Pradesh | Kadapa       | HO             | Pennar / Kunderu     | 14.71722     | 78.66861      | Rf<br>Mt<br>Wv<br>Hu       | 01/11/1988<br>05/07/1986<br>01/03/2009<br>01/03/2009               |
| 29.                  | Chennur         | Andhra Pradesh | Kadapa       | HO             | Pennar               | 14.57222     | 78.8          | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 19/07/1989<br>18/07/1989<br>18/07/1989<br>01/01/2004<br>08/07/2003 |
| 30.                  | Kamalpuram      | Andhra Pradesh | Kadapa       | HO             | Pennar / Papagani    | 14.58055     | 78.67777      | Rf<br>Mt<br>Wv<br>Hu       | 01/02/1991<br>01/02/1991<br>01/03/2004<br>05/03/2004               |
| 31.                  | Nandipalli      | Andhra Pradesh | Kadapa       | HO             | Pennar / Sagaileru   | 14.72111     | 79.01889      | Rf<br>Mt<br>Wv<br>Hu       | 01/02/1993<br>18/06/1990<br>01/02/1993<br>01/08/2008               |
| 32.                  | Nellore         | Andhra Pradesh | Nellore      | HO             | Pennar               | 14.47028     | 79.98889      | Rf<br>Mt<br>Wv<br>Hu       | 03/11/1988<br>14/08/1987<br>03/11/1988<br>08/08/2014               |
| 33.                  | Singavaram      | Andhra Pradesh | Anantapur    | HO             | Pennar / Chitravathi | 14.59778     | 78.01333      | Rf<br>Mt<br>Wv<br>Hu       | 01/08/1984<br>06/11/1979<br>15/05/1984<br>09/08/2014               |

| Sl.No | Site         | State          | District  | HO/FF/<br>HOIW | River Tributary   | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|--------------|----------------|-----------|----------------|-------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 34.   | Tadipatri    | Andhra Pradesh | Anantapur | HO             | Pennar            | 14.91294     | 78.01639      | Rf<br>Mt<br>Wv<br>Hu | 01/09/1978<br>01/09/1978<br>01/09/1978<br>07/01/2014 |
| 35.   | Dipuru       | Andhra Pradesh | Nellore   | HO             | Pennar / Boggeru  | 14.61864     | 79.5609       | Rf                   | 01-01-2021                                           |
| 36.   | Kalasapadu   | Andhra Pradesh | Kadapa    | HO             | Pennar / Sagileru | 15.11266     | 78.93803      | Rf                   | 15/12/2021                                           |
| 37.   | Nandalur     | Andhra Pradesh | Annamaiah | HO             | Pennar / Cheyyeru | 14.25484     | 79.1164       | Rf<br>Mt<br>Wv<br>Hu | 01/08/2013<br>01/04/2013<br>25/07/2015<br>01/07/2018 |
| 38.   | Rayachoti    | Andhra Pradesh | Kadapa    | HO             | Pennar / Bahuda   | 14.06667     | 78.75527      | Rf                   | 03-01-2022                                           |
| 39.   | Nagalamedike | Karnataka      | Tumkur    | HO             | Pennar            | 14.18889     | 77.37222      | Rf<br>Mt<br>Wv<br>Hu | 01/01/1987<br>01/08/1979<br>03/05/1987<br>08/08/2014 |

| Details of the Meteorological Observations on HO/FF Stations |                                                    |
|--------------------------------------------------------------|----------------------------------------------------|
| Region                                                       | Cauvery & Southern Rivers Organisation, Coimbatore |
| Circle                                                       | Cauvery & Southern Rivers Circle, Bengaluru        |
| Division                                                     | South Western Rivers division, Kochi               |
| TOTAL NUMBER OF SITES-29                                     |                                                    |
| Basin: WFR from South of Tapi                                |                                                    |

| Sl.No | Site        | State     | District            | HO/FF/<br>HOIW | River Tributary       | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|-------------|-----------|---------------------|----------------|-----------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.    | Addoor      | Karnataka | Dakshina<br>Kannada | HO             | Gurupur               | 12.92889     | 74.95388      | Mt                         | 22/09/2002                                                         |
| 2.    | Avershe     | Karnataka | Udupi               | HO             | Seetha                | 13.52139     | 74.88         | Rf<br>Mt<br>Wv<br>Pe       | 20/06/2000<br>01/07/2005<br>01/04/2003<br>01/04/2003               |
| 3.    | Bantwal     | Karnataka | Dakshina<br>Kannada | HO             | Nethravathi           | 12.88083     | 75.04111      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/03/1989<br>01/06/2006<br>01/09/2007<br>01/06/2014<br>01/08/2006 |
| 4.    | Halady      | Karnataka | Udupi               | HO             | Halady                | 13.58167     | 74.85778      | Rf<br>Mt<br>Wv<br>Pe       | 01/04/2003<br>21/12/1985<br>21/12/1985<br>01/04/2003               |
| 5.    | Santeguli   | Karnataka | Uthara<br>Kannada   | HO             | Aghnashini            | 14.43455     | 74.58744      | Rf<br>Mt                   | 10/02/2018<br>01/03/1989                                           |
| 6.    | Yennehole   | Karnataka | Dakshina<br>Kannada | HO             | Swarna                | 13.29417     | 74.98056      | Rf<br>Mt<br>Wv<br>Pe       | 08/02/1990<br>02/02/2002<br>09/09/2002<br>07/11/2000               |
| 7.    | Arangaly    | Kerala    | Thrissur            | HO             | Chalakudy             | 10.28139     | 76.31528      | Rf<br>Mt<br>Wv             | 27/06/1990<br>27/04/1978<br>27/04/1978                             |
| 8.    | Ayilam      | Kerala    | Ernakulam           | HO             | Vamanapuram           | 8.715        | 76.85         | Rf<br>Mt<br>Wv             | 10/05/2021<br>18/12/1978<br>05/08/1987                             |
| 9.    | Erinjipuzha | Kerala    | Kasargod            | HO             | Payaswani             | 12.47917     | 75.14722      | Rf<br>Mt<br>Hu             | 17/12/2019<br>25/06/1985<br>07/09/2015                             |
| 10.   | Kalampur    | Kerala    | Pathanamthitta      | HO             | Muvatupuzha / Kaliyar | 9.990556     | 76.63222      | Mt<br>Wv                   | 27/09/1986<br>04/11/2013                                           |

| Sl.No | Site        | State  | District       | HO/FF/<br>HOIW | River Tributary                 | Latitude(°N) | Longitude(°E) | Met Para                               | Date of Start                                                                                  |
|-------|-------------|--------|----------------|----------------|---------------------------------|--------------|---------------|----------------------------------------|------------------------------------------------------------------------------------------------|
| 11.   | Kallooppara | Kerala | Pathanamthitta | HO             | Pampa / Manimala                | 9.403611     | 76.65027      | Rf<br>Mt<br>Wv                         | 05/05/2000<br>19/06/1985<br>01/06/1986                                                         |
| 12.   | Karathodu   | Kerala | Malappuram     | HO             | Kadalundi                       | 11.05694     | 76.03944      | Mt<br>Wv                               | 01/06/1988<br>20/06/1986                                                                       |
| 13.   | Kidangoor   | Kerala | Emakulam       | HO             | Meenachil                       | 9.675556     | 76.60555      | Mt<br>Wv                               | 09/08/1986<br>02/07/1985                                                                       |
| 14.   | Kumbidi     | Kerala | Palakkad       | HO             | Bharathapuzha                   | 10.85444     | 76.02         | Rf<br>Mt<br>Wv<br>Hu                   | 01/06/2019<br>04/04/2000<br>05/02/2014<br>01/06/2014                                           |
| 15.   | Kuniyil     | Kerala | Malappuram     | HO             | Chaliyar                        | 11.23944     | 76.02333      | Rf<br>Mt<br>Wv                         | 07/06/2019<br>02/07/1978<br>14/01/1989                                                         |
| 16.   | Kuttyadi    | Kerala | Kozhikode      | HO             | Kuttyadi                        | 11.63802     | 75.77628      | Mt<br>Wv<br>Hu                         | 11/01/2001<br>13/03/2000<br>01/04/2014                                                         |
| 17.   | Malakkara   | Kerala | Palakkad       | HO             | Pamba                           | 9.3325       | 76.66305      | Rf<br>Mt<br>Wv                         | 19/06/1985<br>19/06/1985<br>20/06/1985                                                         |
| 18.   | Mankara     | Kerala | Palakkad       | HO             | Bharathapuzha                   | 10.78098     | 76.51342      | Rf<br>Mt<br>Wv<br>Hu<br>Pe             | 01/08/1989<br>01/04/1985<br>01/12/1985<br>01/09/2016<br>01/02/1989                             |
| 19.   | Neeleswaram | Kerala | Kottayam       | HO             | Periyar                         | 10.18104     | 76.46932      | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe<br>Ss | 01/06/1987<br>16/03/1971<br>01/09/2000<br>16/03/1971<br>01/09/2000<br>01/09/2009<br>01/09/2000 |
| 20.   | Pattazhy    | Kerala | Kollam         | HO             | Kallada                         | 9.07277      | 76.76111      | Rf<br>Mt<br>Wv                         | 01/06/1988<br>20/04/1978<br>03/09/1978                                                         |
| 21.   | Perumannu   | Kerala | Cannanore      | HO             | Valapatnam                      | 11.9823      | 75.58416      | Rf<br>Mt<br>Wv<br>Hu                   | 21/07/1989<br>15/03/1986<br>22/03/2006<br>16/10/2014                                           |
| 22.   | Pudur       | Kerala | Palakkad       | HO             | Bharathapuzha /<br>Kannadipuzha | 10.77529     | 76.58272      | Mt<br>Wv                               | 02/09/1985<br>02/09/1985                                                                       |

| Sl.No | Site         | State      | District              | HO/FF/<br>HOIW | River Tributary               | Latitude(°N) | Longitude(°E) | Met Para                               | Date of Start                                                                                  |
|-------|--------------|------------|-----------------------|----------------|-------------------------------|--------------|---------------|----------------------------------------|------------------------------------------------------------------------------------------------|
| 23.   | Pulamanthole | Kerala     | Palakkad              | HO             | Bharathapuzha /<br>Pulanthodu | 10.89916     | 76.19722      | Rf<br>Mt<br>Wv                         | 07/06/2019<br>21/06/1986<br>17/02/1989                                                         |
| 24.   | Ramamangalam | Kerala     | Emakulam              | HO             | Muvattupuzha                  | 9.943611     | 76.47833      | Rf<br>Mt<br>Wv                         | 26/04/2020<br>24/02/1978<br>24/02/1978                                                         |
| 25.   | Thumpamon    | Kerala     | Pathanamthitta        | HO             | Pamba / Achankovil            | 9.224996     | 76.71471      | Rf<br>Mt<br>Wv                         | 18/06/1988<br>28/01/1978<br>13/07/1979                                                         |
| 26.   | Vandiperiyar | Kerala     | Idukki                | HO             | Periyar                       | 9.573333     | 77.09083      | Rf<br>Mt<br>Wv                         | 10/12/1999<br>19/10/1999<br>19/10/1999                                                         |
| 27.   | Vellaikadavu | Kerala     | Thiruvantha-<br>Puram | HO             | Karamana                      | 8.536611     | 77.00852      | Rf                                     | 23/06/2020                                                                                     |
| 28.   | Ashramam     | Tamil Nadu | Kanyakumari           | HO             | Pazhayar                      | 8.15935      | 77.45973      | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe<br>Ss | 01/06/2000<br>15/06/2001<br>06/12/2001<br>21/09/1999<br>16/07/2004<br>06/12/2001<br>16/07/2004 |
| 29.   | Kuzhithurai  | Tamil Nadu | Kanyakumari           | HO             | Thamirabarani                 | 8.30527      | 77.18555      | Rf<br>Mt<br>Wv                         | 01/07/2000<br>01/11/2000<br>01/07/2005                                                         |

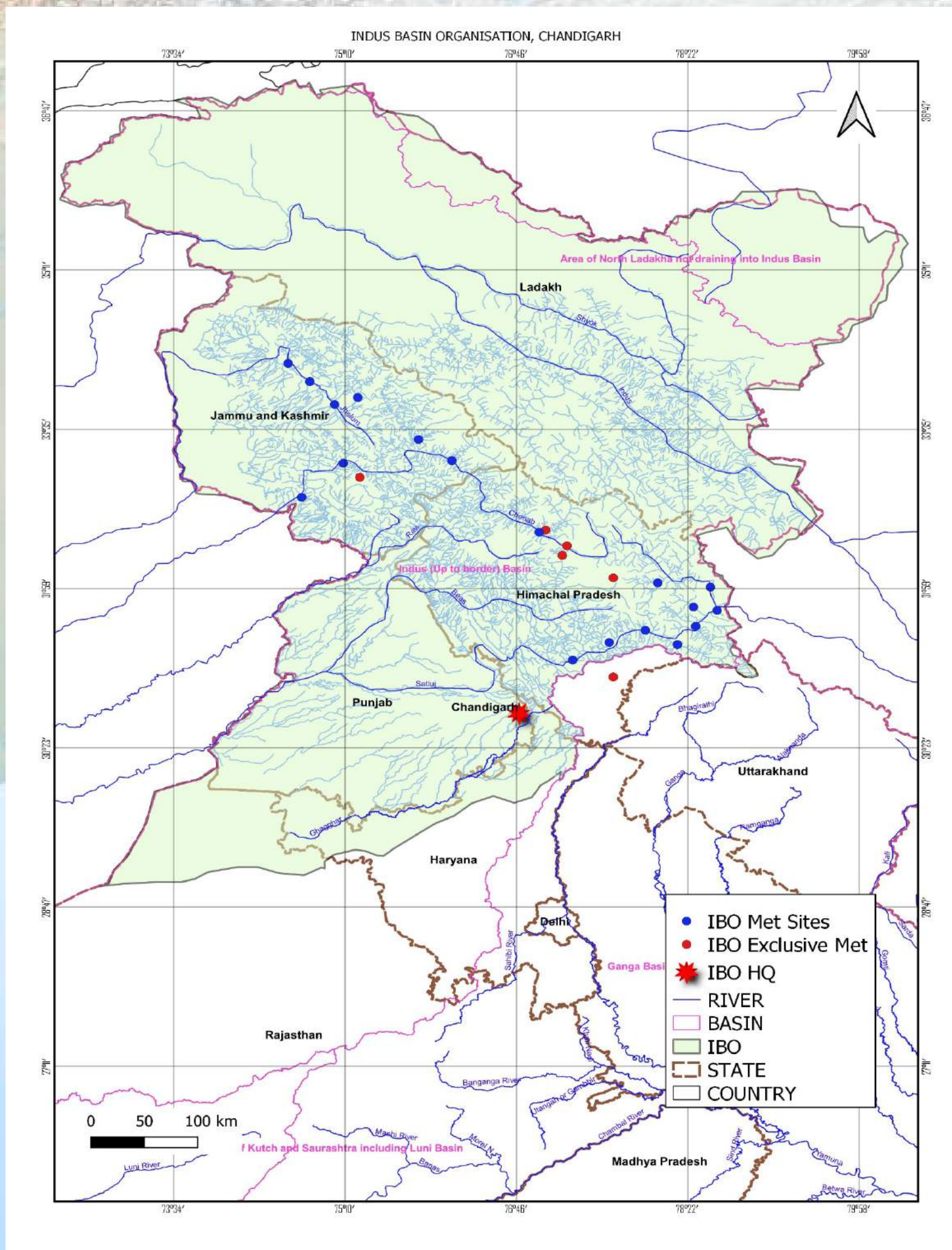
| Details of the Meteorological Observations on HO/FF Stations |                                                    |
|--------------------------------------------------------------|----------------------------------------------------|
| Region                                                       | Cauvery & Southern Rivers Organisation, Coimbatore |
| Circle                                                       | Cauvery & Southern Rivers Circle, Bengaluru        |
| Division                                                     | Southern Rivers division, Coimbatore               |
| TOTAL NUMBER OF SITES-22                                     |                                                    |
| Basin: Cauvery                                               |                                                    |

| Sl.No | Site             | State      | District        | HO/FF/<br>HOIW | River Tributary           | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|------------------|------------|-----------------|----------------|---------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.    | Kudlur           | Karnataka  | Chamarajanagar  | HO             | Cauvery / Palar           | 11.84056     | 77.46278      | Rf<br>Mt<br>Wv<br>Hu       | 24/03/2000<br>01/08/2000<br>01/11/2003<br>01/11/2003               |
| 2.    | Biligundulu      | Tamil Nadu | Krishnagiri     | HO             | Cauvery                   | 12.18222     | 77.72389      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/07/1972<br>01/06/1976<br>01/06/1975<br>01/06/1994<br>01/06/1994 |
| 3.    | Elunuthimangalam | Tamil Nadu | Erode           | HO             | Cauvery / Noyyal          | 11.03167     | 77.8875       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/09/2000<br>01/06/2000<br>01/12/2004<br>01/12/2004<br>01/12/2004 |
| 4.    | Kodumudi         | Tamil Nadu | Erode           | HO             | Cauvery                   | 11.08111     | 77.89028      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 23/04/1976<br>01/06/1988<br>01/12/2004<br>01/12/2004<br>01/12/2004 |
| 5.    | Musiri           | Tamil Nadu | Thiruchirapalli | HO             | Cauvery                   | 10.94333     | 78.435        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/09/2000<br>01/08/2003<br>01/09/2000<br>01/08/2003<br>11/09/2000 |
| 6.    | Nallamaranpatty  | Tamil Nadu | Karur           | HO             | Cauvery / Amaravathi      | 10.88083     | 77.98472      | Rf<br>Mt<br>Wv<br>Pe       | 22/10/1993<br>01/10/1977<br>01/12/2004<br>01/12/2004               |
| 7.    | Nellithurai      | Tamil Nadu | Coimbatore      | HO             | Cauvery / Bhavani         | 11.28778     | 76.89111      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/09/1993<br>01/06/1979<br>01/06/1979<br>01/09/2003<br>04/06/2002 |
| 8.    | Savandapur       | Tamil Nadu | Erode           | HO             | Cauvery / Bhavani         | 11.52167     | 77.51         | Rf<br>Mt<br>Wv<br>Pe       | 15/03/1993<br>01/10/1977<br>01/12/2004<br>01/12/2004               |
| 9.    | Sevanur          | Tamil Nadu | Erode           | HO             | Cauvery / Chittar         | 11.55194     | 77.73194      | Rf<br>Mt<br>Wv<br>Hu       | 10/04/2000<br>16/08/2000<br>17/02/2000<br>17/02/2000               |
| 10.   | Thengumarahada   | Tamil Nadu | Nilgiris        | HO             | Cauvery / Bhavani / Moyar | 11.57278     | 76.91917      | Rf<br>Mt<br>Wv<br>Hu       | 07/11/1993<br>01/05/1979<br>17/02/2000<br>17/02/2000               |

| Sl.No                                        | Site                 | State      | District            | HO/FF/<br>HOIW | River Tributary        | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|----------------------------------------------|----------------------|------------|---------------------|----------------|------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 11.                                          | Thevur               | Tamil Nadu | Salem               | HO             | Cauvery / Sarabenga    | 11.52722     | 77.75083      | Rf<br>Mt<br>Wv<br>Hu       | 20/01/2001<br>29/06/2002<br>09/11/2003<br>09/11/2003               |
| 12.                                          | Thoppur              | Tamil Nadu | Salem               | HO             | Cauvery / Thoppaiyar   | 11.93833     | 78.05722      | Rf<br>Mt<br>Wv             | 03/01/2002<br>01/09/2006<br>01/12/2004                             |
| 13.                                          | Urachikottai         | Tamil Nadu | Erode               | HO             | Cauvery                | 11.47778     | 77.7          | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 28/12/1991<br>06/08/1979<br>06/08/1979<br>22/05/2003<br>01/01/2003 |
| <b>Basin: EFR between Pennar and Cauvery</b> |                      |            |                     |                |                        |              |               |                            |                                                                    |
| 14.                                          | Alagiapandi<br>Puram | Tamil Nadu | Tirunelveli         | HO             | Tambraparani / Chittar | 8.90139      | 77.64861      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 05/09/1988<br>25/03/1980<br>01/05/2001<br>09/03/2017<br>07/08/1989 |
| 15.                                          | Ambasamudram         | Tamil Nadu | Theni               | HO             | Vaigai                 | 9.92556      | 77.51167      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/04/2004<br>16/03/2001<br>16/03/2001<br>01/03/2018<br>01/03/2018 |
| 16.                                          | Avarankuppam         | Tamil Nadu | Vellore             | HO             | Palar                  | 12.68417     | 78.53944      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 30/01/1985<br>30/01/1985<br>30/01/1985<br>01/11/2018<br>01/06/2005 |
| 17.                                          | Gummanur             | Tamil Nadu | Krishnagiri         | HO             | Ponnaiyar              | 12.555       | 78.13861      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/12/1989<br>01/12/1989<br>01/12/1989<br>01/12/1989<br>01/12/1989 |
| 18.                                          | Irrukkankudi         | Tamil Nadu | Virudhunagar        | HO             | Vaigai / Vaippar       | 9.32389      | 77.99028      | Rf<br>Mt<br>Wv<br>Hu       | 01/01/1994<br>24/07/1991<br>01/01/1994<br>12/01/2018               |
| 19.                                          | Murappanadu          | Tamil Nadu | Tuticorin           | HO             | Tambraparni            | 8.71444      | 77.835        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 25/10/1985<br>01/10/1978<br>17/09/1978<br>05/11/1989<br>04/08/1989 |
| 20.                                          | Paramakudi           | Tamil Nadu | Ramanatha-<br>Puram | HO             | Vaigai                 | 9.55306      | 78.58611      | Rf<br>Mt<br>Wv             | 01/06/2007<br>14/11/1979<br>19/01/2018                             |
| 21.                                          | Theni                | Tamil Nadu | Theni               | HO             | Vaigai / Suruliar      | 10.00111     | 77.485        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/04/1989<br>01/04/2003<br>04/03/1978<br>01/04/2003<br>07/10/1989 |
| <b>Basin: WFR from South of Tapi</b>         |                      |            |                     |                |                        |              |               |                            |                                                                    |

| Sl.No | Site           | State      | District   | HO/FF/<br>HOIW | River Tributary        | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|----------------|------------|------------|----------------|------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 22.   | Ambarampalayam | Tamil Nadu | Coimbatore | HO             | Bharathapuzha / Aliyar | 10.63027     | 76.94611      | Rf<br>Mt<br>Wv<br>Hu | 07/08/1995<br>16/06/1978<br>01/04/1981<br>01/09/1980 |

# INDUS BASIN ORGANISATION





**TITANG B-TYPE TELEMETRY STATION, SHD, CWC, SHIMLA ON RIVER SATLUJ**



**PANDOWA D-TYPE TELEMETRY STATION, SHD, CWC ON RIVER SATLUJ**

| Details of the Meteorological Observations on HO/FF Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Indus Basin Organisation, Chandigarh      |
| Circle                                                       | Monitoring & Appraisal Directorate, Jammu |
| Division                                                     | Chenab Division, Jammu                    |
| TOTAL NUMBER OF SITES-08                                     |                                           |
| Basin: Indus (Up to Border) Chenab Basin                     |                                           |

| Sl.No | Site            | State           | District  | HO/FF/<br>HOIW | River Tributary    | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|-----------------|-----------------|-----------|----------------|--------------------|--------------|---------------|----------------|----------------------------------------|
| 1.    | Akhnoor         | Jammu & Kashmir | Jammu     | HO             | Chenab             | 32.9008      | 74.7589       | Rf<br>Mt       | 23/11/1969<br>23/11/1969               |
| 2.    | Dhamkund        | Jammu & Kashmir | Ramban    | HO             | Chenab             | 33.2431      | 75.1458       | Rf<br>Mt       | 07/01/1961<br>07/01/1961               |
| 3.    | Ganeshpora      | Jammu & Kashmir | Anantnag  | HO / FF        | Liddar / Jhelum    | 33.9038      | 75.2819       | Rf             | 21/04/2016                             |
| 4.    | Gulabgarh       | Jammu & Kashmir | Kishtwar  | HO             | Chenab             | 33.27        | 76.16         | Rf<br>Mt<br>Sf | 07/01/1990<br>07/01/1990<br>07/01/1990 |
| 5.    | Ram Munshi Bagh | Jammu & Kashmir | Srinagar  | HO / FF        | Jhelum             | 34.0631      | 74.8344       | Rf             | 23/10/1989                             |
| 6.    | Safapora        | Jammu & Kashmir | Baramulla | HO / FF        | Jhelum             | 34.2461      | 74.6323       | Rf             | 16/05/2001                             |
| 7.    | Sangam          | Jammu & Kashmir | Anantnag  | HO / FF        | Jhelum             | 33.8331      | 75.0661       | Rf             | 09-10-1989                             |
| 8.    | Sirshi          | Jammu & Kashmir | Kishtwar  | HO             | Chenab / Marusudar | 33.4817      | 75.8492       | Rf<br>Mt<br>Sf | 23/11/1962<br>23/11/1962<br>23/11/1962 |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                           |
|------------------------------------------------------------------------|-------------------------------------------|
| Region                                                                 | Indus Basin Organisation, Chandigarh      |
| Circle                                                                 | Monitoring & Appraisal Directorate, Jammu |
| Division                                                               | Chenab Division, Jammu                    |
| TOTAL NUMBER OF SITES-01                                               |                                           |
| Basin: Indus (Up to Border) Chenab Basin                               |                                           |

| Sl.No | Site      | State              | District | HO/FF/<br>HOIW | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------|--------------------|----------|----------------|--------------|---------------|----------|---------------|
| 1.    | Chillatop | Jammu &<br>Kashmir | Ramban   | HO             | 33.1016      | 75.3019       | Rf<br>Sf | 24/10/1992    |

| Details of the Meteorological Observations on HO/FF Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Indus Basin Organisation, Chandigarh      |
| Circle                                                       | Monitoring & Appraisal Directorate, Jammu |
| Division                                                     | Snow Hydrology Division, Shimla           |
| TOTAL NUMBER OF SITES-11                                     |                                           |
| Basin: Indus (Up to Border) Chenab Basin                     |                                           |

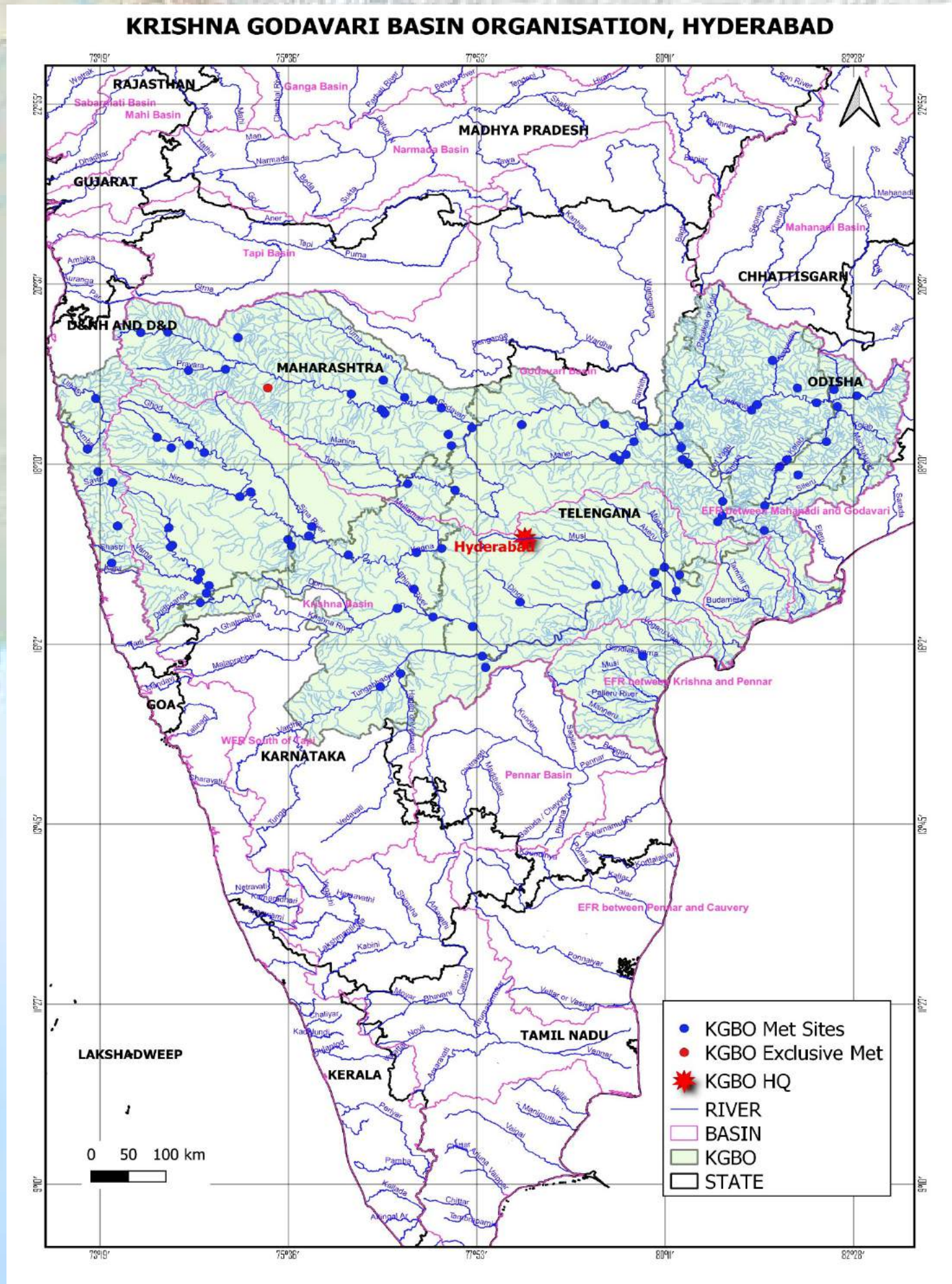
| Sl.No | Site    | State            | District       | HO/FF/<br>HOIW | River Tributary    | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|---------|------------------|----------------|----------------|--------------------|--------------|---------------|----------------|----------------------------------------|
| 1.    | Tandi   | Himachal Pradesh | Lahul & Spiti  | HO             | Chenab / Bhaga     | 32.55        | 76.9758       | Rf<br>Sf       | 21/08/1972<br>21/08/1972               |
| 2.    | Udaipur | Himachal Pradesh | Lahul & Spiti  | HO             | Chenab / Chandra   | 27.3371      | 95.8502       | Rf<br>Sf       | 01/09/1972<br>01/09/1972               |
| 3.    | Moorang | Himachal Pradesh | Kinnaur        | HO             | Satluj             | 31.6057      | 78.4358       | Rf<br>Mt<br>Hu | 10/03/2017<br>10/03/2017<br>10/03/2017 |
| 4.    | Nathpa  | Himachal Pradesh | Kinnaur        | HO             | Satluj             | 31.5661      | 77.9655       | Rf<br>Mt<br>Hu | 14/07/2005<br>14/07/2005<br>14/07/2005 |
| 5.    | Pandowa | Himachal Pradesh | Shimla         | HO             | Satluj             | 31.2673      | 77.2877       | Rf<br>Mt<br>Hu | 05/06/2008<br>05/06/2008<br>05/06/2008 |
| 6.    | Rampur  | Himachal Pradesh | Shimla         | HO             | Satluj             | 31.4431      | 77.6279       | Rf<br>Mt<br>Hu | 19/07/2004<br>19/07/2004<br>19/07/2004 |
| 7.    | Titang  | Himachal Pradesh | Kinnaur        | HO             | Satluj             | 31.7644      | 78.6361       | Rf<br>Mt<br>Hu | 21/05/2006<br>21/05/2006<br>21/05/2006 |
| 8.    | Gulling | Himachal Pradesh | Lahaul & Spiti | HO             | Satluj / Spiti     | 32.0426      | 78.0819       | Rf             | 20/08/2022                             |
| 9.    | Ropa    | Himachal Pradesh | Kinnaur        | HO             | Satluj / Ropa khad | 31.7996      | 78.4151       | Rf             | 19/09/2022                             |
| 10.   | Sangla  | Himachal Pradesh | Kinnaur        | HO             | Satluj / Baspa     | 31.4226      | 78.265        | Rf             | 19/09/2022                             |

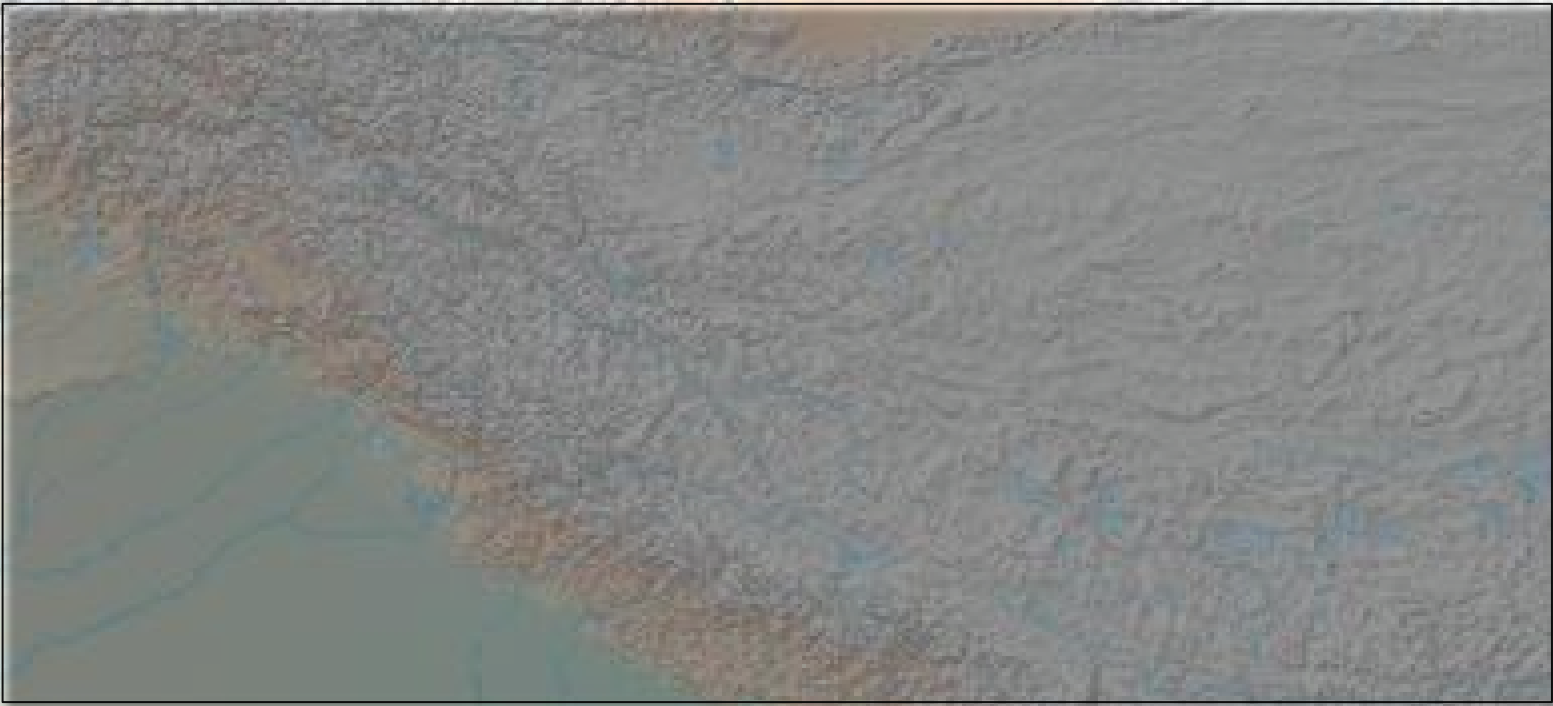
| Sl.No | Site     | State            | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|----------|------------------|----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 11.   | Shalkhar | Himachal Pradesh | Kinnaur  | HO             | Satluj / Spiti  | 31.9992      | 78.5732       | Rf       | 19/09/2022    |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                           |
|------------------------------------------------------------------------|-------------------------------------------|
| Region                                                                 | Indus Basin Organisation, Chandigarh      |
| Circle                                                                 | Monitoring & Appraisal Directorate, Jammu |
| Division                                                               | Snow Hydrology Division, Shimla           |
| TOTAL NUMBER OF SITES-5                                                |                                           |
| Basin: Indus (Up to Border) Chenab Basin                               |                                           |

| Sl.No              | Site      | State            | District       | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start |
|--------------------|-----------|------------------|----------------|----------------|-----------------|--------------|---------------|----------------------|---------------|
| 1.                 | Koksar    | Himachal Pradesh | Lahaul & Spiti | SG             | Chenab/Chandra  | 32.4142      | 77.2342       | Rf<br>Mt<br>Sf       | 01-07-1983    |
| 2.                 | Keylong   | Himachal Pradesh | Lahaul & Spiti | SG             | Chenab/Bhaga    | 32.5722      | 77.0356       | Rf<br>Mt<br>Sf       | 01-01-2005    |
| 3.                 | Kothi     | Himachal Pradesh | Kullu          | SG             | Beas            | 32.3178      | 77.1900       | Rf<br>Mt<br>Hu<br>Sf | 24.11.2003    |
| Basin: Ganga basin |           |                  |                |                |                 |              |               |                      |               |
| 4.                 | Jubbal-II | Himachal Pradesh | Shimla         | SG             | Yamuna          | 32.0919      | 77.6667       | Rf<br>Mt<br>Hu<br>Sf | 1989-90       |
| 5.                 | Jubbal-I  | Himachal Pradesh | Shimla         | SG             | Yamuna/Pabar    | 31.0970      | 77.6667       | Rf<br>Mt<br>Hu<br>Sf | 01.01.1984    |

# KRISHNA AND GODAVARI BASIN ORGANISATION





**SITE G.R. BRIDGE ON RIVER GODAVARI**



**SITE YELLI ON RIVER GODAVARI**



**SITE OFFICE POLAVARAM ON RIVER GODAVARI**

| Details of the Meteorological Observations on HO/FF Stations |                                                  |
|--------------------------------------------------------------|--------------------------------------------------|
| Region                                                       | Krishna & Godavari Basin Organization, Hyderabad |
| Circle                                                       | Godavari Circle, Hyderabad                       |
| Division                                                     | Lower Godavari Division, Hyderabad               |
| TOTAL NUMBER OF SITES: 18                                    |                                                  |
| Basin: Godavari Basin                                        |                                                  |

| Sl.No | Site       | State          | District  | HO/FF/<br>HOIW | River Tributary                          | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------|----------------|-----------|----------------|------------------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Koida      | Andhra Pradesh | Eluru     | HO             | Godavari                                 | 17.4825      | 81.3867       | Rf       | 14/03/1989               |
| 2.    | Ambabal    | Chhattisgarh   | Bastar    | HO             | Godavari / Indravati / Narangi           | 19.2967      | 81.7889       | Rf<br>Mt | 01/06/2000<br>18/02/1994 |
| 3.    | Cherbeda   | Chhattisgarh   | Bastar    | HO             | Godavari / Indravati / Bawardhi / Bardha | 19.6458      | 81.4858       | Rf<br>Mt | 01/06/2000<br>26/09/2003 |
| 4.    | Chindnar   | Chhattisgarh   | Dantewada | HO             | Godavari / Indravati                     | 19.0833      | 81.3          | Rf<br>Mt | 01/06/2004<br>12/04/1973 |
| 5.    | Jagdapur   | Chhattisgarh   | Bastar    | HO             | Godavari / Indravati                     | 19.1081      | 82.0228       | Rf<br>Mt | 01/01/1965<br>01/06/1972 |
| 6.    | Kerlapal   | Chhattisgarh   | Sukma     | HO             | Godavari / Sabari / Malenger             | 18.2919      | 81.5725       | Rf<br>Mt | 30/09/2016<br>30/09/2016 |
| 7.    | Konta      | Chhattisgarh   | Sukma     | HO             | Godavari / Sabari                        | 17.7989      | 81.3928       | Rf<br>Mt | 10/07/1986<br>01/06/1973 |
| 8.    | Pathagudem | Chhattisgarh   | Bijapur   | HO             | Godavari / Indravati                     | 18.8167      | 80.35         | Rf<br>Mt | 18/07/1977<br>11/01/1973 |
| 9.    | Sukma      | Chhattisgarh   | Sukma     | HO             | Godavari / Sabari                        | 18.3844      | 81.6625       | Rf       | 01-08-1980               |
| 10.   | Tumnar     | Chhattisgarh   | Dantewada | HO             | Godavari / Indravati / Dantewara         | 19.0122      | 81.2325       | Rf<br>Mt | 01/06/2000<br>01/02/1994 |

| Sl.No | Site                  | State     | District                | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------|-----------|-------------------------|----------------|----------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Kosagumda             | Odisha    | Nabarangpur             | HO             | Godavari / Indravati / Bhaskel   | 19.2772      | 82.2333       | Rf<br>Mt | 26/05/1996<br>01/02/2001 |
| 12.   | Murthahandi           | Odisha    | Koraput                 | HO             | Godavari / Indravati / Journala  | 19.0594      | 82.2758       | Rf<br>Mt | 01/07/2004<br>27/06/1979 |
| 13.   | Nowrangpur            | Odisha    | Nowrangpur              | HO             | Godavari / Indravati             | 19.1975      | 82.5119       | Rf<br>Mt | 20/03/1989<br>02/06/1969 |
| 14.   | Potteru<br>(Seasonal) | Odisha    | Malkangiri              | HO             | Godavari / Sabari / Potteru Vagu | 18.1894      | 81.7981       | Rf<br>Mt | 01/09/2000<br>05/08/2003 |
| 15.   | Saradaput             | Odisha    | Malkangiri              | HO             | Godavari / Sabari                | 18.6125      | 82.1428       | Rf<br>Mt | 26/08/1997<br>01/01/1972 |
| 16.   | Bhadrachalam          | Telangana | Bhadradri<br>Kothagudem | HO             | Godavari                         | 17.6694      | 80.8738       | Rf<br>Mt | 01/01/1980<br>15/06/2007 |
| 17.   | Dummagudem            | Telangana | Bhadradri<br>Kothagudem | HO             | Godavari                         | 17.8526      | 80.88         | Rf       | 01-01-1978               |
| 18.   | Sangam<br>(Murredu)   | Telangana | Bhadradri<br>Kothagudem | HO             | Godavari / Kinnerasani / Murredu | 17.5936      | 80.8217       | Rf<br>Mt | 04/07/2000<br>01/06/1973 |

| Details of the Meteorological Observations on HO/FF Stations |                                                  |
|--------------------------------------------------------------|--------------------------------------------------|
| Region                                                       | Krishna & Godavari Basin Organisation, Hyderabad |
| Circle                                                       | Godavari Circle, Hyderabad                       |
| Division                                                     | Lower Krishna Division, Hyderabad                |
| TOTAL NUMBER OF SITES: 21                                    |                                                  |
| Basin: EFR Between Krishna & Pennar                          |                                                  |

| Sl.No                | Site            | State          | District              | HO/FF/<br>HOIW | River Tributary       | Latitude(°N) | Longitude(°E) | Met Para                                | Date of Start                                                                                  |
|----------------------|-----------------|----------------|-----------------------|----------------|-----------------------|--------------|---------------|-----------------------------------------|------------------------------------------------------------------------------------------------|
| 1.                   | Marella         | Andhra Pradesh | Prakasam              | HO             | Gundlakamma           | 15.8828      | 79.91         | Rf<br>Mt<br>Ar<br>Wv                    | 01/07/2007<br>21/06/2007<br>04/07/2007<br>28/06/2007                                           |
| Basin: Krishna Basin |                 |                |                       |                |                       |              |               |                                         |                                                                                                |
| 2.                   | Bawapuram       | Andhra Pradesh | Kurnool               | HO             | Krishna / Tungabhadra | 15.8833      | 77.9572       | Rf<br>Mt<br>Ar<br>Wv                    | 01/06/2000<br>01/06/2000<br>29/01/2007<br>01/06/2000                                           |
| 3.                   | Doddipadu       | Andhra Pradesh | Kurnool               | HO             | Handri                | 15.73916     | 77.99694      | Rf<br>Mt                                | 01/07/2015<br>01/07/2015                                                                       |
| 4.                   | Keesara         | Andhra Pradesh | Krishna               | HO             | Krishna / Munneru     | 16.7156      | 80.3164       | Rf<br>Mt<br>Ar<br>Wv                    | 01/10/1983<br>01/06/1965<br>01/01/2000<br>01/01/2000                                           |
| 5.                   | Mantralayam     | Andhra Pradesh | Kurnool               | HO / FF        | Krishna / Tungabhadra | 15.9483      | 77.4264       | Rf<br>Mt<br>Ar<br>Wv<br>FCS<br>Pe<br>Ss | 01/01/1980<br>22/08/1980<br>10/04/2007<br>01/07/2001<br>01/07/2001<br>01/07/2001<br>01/07/2001 |
| 6.                   | Paleru Bridge   | Andhra Pradesh | Krishna               | HO / FF        | Krishna / Paleru      | 16.9489      | 80.0478       | Rf<br>Mt<br>Ar<br>Wv                    | 21/08/1990<br>01/07/1964<br>06/05/2000<br>01/10/2019                                           |
| 7.                   | Polampalli      | Andhra Pradesh | Krishna               | HO / FF        | Krishna / Munneru     | 17.0156      | 80.1717       | Rf                                      | 17/04/2007                                                                                     |
| 8.                   | Deongaon Bridge | Karnataka      | Kalaburigi (Gulbarga) | HO / FF        | Krishna / Bhima       | 17.1703      | 76.3283       | Rf                                      | 06-01-1984                                                                                     |
| 9.                   | Deosugur        | Karnataka      | Raichur               | HO / FF        | Krishna               | 16.3822      | 77.3572       | Rf<br>Mt                                | 01/06/1984<br>01/03/2007                                                                       |

| Sl.No | Site                  | State     | District                 | HO/FF/<br>HOIW | River Tributary                      | Latitude(°N) | Longitude(°E) | Met Para                                      | Date of Start                                                                                  |
|-------|-----------------------|-----------|--------------------------|----------------|--------------------------------------|--------------|---------------|-----------------------------------------------|------------------------------------------------------------------------------------------------|
| 10.   | Huvinhedigi           | Karnataka | Raichur                  | HO / FF        | Krishna                              | 16.4911      | 76.9231       | Rf<br>Mt<br>Ar<br>Wv                          | 01/07/1977<br>07/07/2000<br>24/01/2007<br>07/07/2007                                           |
| 11.   | Malkhed               | Karnataka | Kalaburigi<br>(Gulbarga) | HO             | Krishna /<br>Bhima / Kagna           | 17.2031      | 77.1572       | Rf<br>Mt<br>Ar<br>Wv                          | 07/06/1991<br>25/02/2007<br>07/07/2000<br>07/07/2000                                           |
| 12.   | Oollenur              | Karnataka | Raichur                  | HO / FF        | Krishna /<br>Tungabhadra             | 15.4917      | 76.7169       | Rf<br>Mt                                      | 01/06/1981<br>01/06/1981                                                                       |
| 13.   | Tondihal<br>Ramapuram | Karnataka | Bellary                  | HO             | Krishna /<br>Tungabhadra /<br>Hagari | 15.6611      | 76.9628       | Rf<br>Mt                                      | 07/07/1994<br>26/01/2007                                                                       |
| 14.   | Yadgir                | Karnataka | Yadgir                   | HO / FF        | Krishna / Bhima                      | 16.7375      | 77.1253       | Rf<br>Mt<br>Ar<br>Wv                          | 01/06/1983<br>23/02/2007<br>07/07/2000<br>07/07/2000                                           |
| 15.   | Dameracherla          | Telangana | Nalgonda                 | HO             | Krishna / Musi                       | 16.7392      | 79.6697       | Rf<br>Mt<br>Ar<br>Wv<br>FCS<br>Hu<br>Pe<br>Ss | 01/06/1990<br>01/06/2001<br>03/02/2007<br>21/03/2001<br>21/03/2001<br>21/03/2001<br>21/03/2001 |
| 16.   | Halia                 | Telangana | Nalgonda                 | HO             | Krishna / Halia                      | 16.79        | 79.3388       | Rf<br>Mt<br>Ar<br>Wv                          | 01/08/1990<br>01/06/1985<br>01/01/2009<br>15/06/1992                                           |
| 17.   | Jeewangi              | Telangana | Ranga Reddy              | HO             | Bhima / Kagna                        | 17.2544      | 77.4628       | Rf<br>Mt                                      | 07/06/1991<br>25/02/2007                                                                       |
| 18.   | Krishna<br>Agraharam  | Telangana | Jogulamba<br>Gadwal      | HO / FF        | Krishna                              | 16.2592      | 77.8411       | Rf<br>Mt                                      | 01/08/1981<br>19/02/2007                                                                       |
| 19.   | Madhira               | Telangana | Khamman                  | HO             | Krishna / Munneru /<br>Wyra          | 16.9181      | 80.3558       | Rf<br>Mt<br>Ar<br>Wv                          | 01/06/1986<br>07/06/1984<br>16/06/1997<br>16/06/1997                                           |
| 20.   | Suddakallu            | Telangana | Nagarkurnool             | HO             | Krishna / Dindi                      | 16.57063     | 78.4167       | Rf<br>Mt                                      | 20/11/2014<br>20/11/2014                                                                       |

| Sl.No | Site        | State     | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|-------------|-----------|----------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 21.   | Wadenapally | Telangana | Nalgonda | HO / FF        | Krishna         | 16.7942      | 80.0692       | Rf<br>Mt<br>Ar<br>Wv | 01/01/1981<br>10/12/1964<br>01/01/2000<br>01/01/2000 |

| Details of the Meteorological Observations on HO/FF Stations |                                                  |
|--------------------------------------------------------------|--------------------------------------------------|
| Region                                                       | Krishna & Godavari Basin Organisation, Hyderabad |
| Circle                                                       | Godavari Circle, Hyderabad                       |
| Division                                                     | Upper Godavari Division, Hyderabad               |
| TOTAL NUMBER OF SITES: 27                                    |                                                  |
| Basin: Godavari Basin                                        |                                                  |

| Sl.No | Site       | State       | District   | HO/FF/<br>HOIW | River Tributary               | Latitude(°N) | Longitude(°E) | Met Para                         | Date of Start                                                                    |
|-------|------------|-------------|------------|----------------|-------------------------------|--------------|---------------|----------------------------------|----------------------------------------------------------------------------------|
| 1.    | Janwada    | Karnataka   | Bidar      | HO             | Godavari / Manjira            | 17.996       | 77.626        | Rf<br>Mt                         | 25/07/2021<br>08/01/2021                                                         |
| 2.    | Saigaon    | Karnataka   | Bidar      | HO             | Godavari / Manjira            | 18.0758      | 77.05         | Rf<br>Mt<br>Wv                   | 01/06/1984<br>01/06/1984<br>06/09/2014                                           |
| 3.    | Betmogrre  | Maharashtra | Nanded     | HO             | Godavari / Manjira /<br>Manar | 18.705       | 77.545        | Rf<br>Mt                         | 01/06/2006<br>01/06/2006                                                         |
| 4.    | Degloor    | Maharashtra | Nanded     | HO             | Godavari / Manjira /<br>Lendi | 18.5622      | 77.5831       | Rf<br>Mt                         | 01/06/1992<br>01/06/1995                                                         |
| 5.    | Dhalegaon  | Maharashtra | Parbhani   | HO             | Godavari                      | 19.2202      | 76.3633       | Rf<br>Mt<br>Wv<br>Hu<br>Pe<br>Ss | 31/07/1976<br>04/01/1970<br>01/01/2003<br>01/01/2003<br>01/11/2003<br>01/11/2003 |
| 6.    | G.R.Bridge | Maharashtra | Parbhani   | HO             | Godavari                      | 19.0216      | 76.7292       | Rf<br>Mt<br>Wv                   | 01/06/2000<br>19/06/1976<br>01/01/2007                                           |
| 7.    | Gangakhed  | Maharashtra | Parbhani   | HO / FF        | Godavari                      | 18.973       | 76.7696       | Rf<br>Mt                         | 05/03/1993<br>05/03/1993                                                         |
| 8.    | Lasur      | Maharashtra | Aurangabad | HO             | Godavari / Shivna             | 19.9364      | 74.9853       | Rf<br>Mt                         | 11/08/1994<br>11/07/2012                                                         |
| 9.    | Nanded     | Maharashtra | Nanded     | HO / FF        | Godavari                      | 19.1466      | 77.3433       | Rf<br>Mt                         | 09/06/1996<br>11/07/2012                                                         |
| 10.   | Nasik      | Maharashtra | Nashik     | HO             | Godavari                      | 20.0017      | 73.803        | Rf<br>Mt                         | 01/06/2014<br>03/12/2014                                                         |

| Sl.No | Site                         | State       | District                  | HO/FF/<br>HOIW | River Tributary                     | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|------------------------------|-------------|---------------------------|----------------|-------------------------------------|--------------|---------------|----------------|----------------------------------------|
| 11.   | Pachegaon                    | Maharashtra | Ahmednagar                | HO / FF        | Godavari / Pravara                  | 19.5342      | 74.8337       | Rf<br>Mt<br>Wv | 23/07/2002<br>20/06/1986<br>20/06/1986 |
| 12.   | Pratappur                    | Maharashtra | Ahmednagar                | HO             | Godavari / Pravara                  | 19.5193      | 74.384        | Mt             | 06-07-1996                             |
| 13.   | Purna                        | Maharashtra | Parbhani                  | HO             | Godavari / Purna                    | 19.1758      | 77.0136       | Rf<br>Mt       | 01/04/2022<br>01/06/2017               |
| 14.   | Yelli                        | Maharashtra | Nanded                    | HO             | Godavari                            | 19.0425      | 77.4577       | Rf<br>Mt<br>Wv | 01/06/1990<br>01/01/2001<br>01/01/2001 |
| 15.   | Zari                         | Maharashtra | Parbhani                  | HO             | Godavari / Purna /<br>Dudhna        | 19.3958      | 76.7544       | Rf<br>Mt<br>Wv | 01/07/1978<br>01/07/1978<br>01/07/1978 |
| 16.   | Nandu<br>Madhmeshwar<br>Weir | Maharashtra | Nashik                    | HO / FF        | Godavari                            | 20.0084      | 74.1323       | Rf<br>Mt       | 01/06/1978<br>20/06/1986               |
| 17.   | Allamvari<br>Ghanapur        | Telangana   | Jayshankar<br>Bhupalpally | HO             | Godavari /<br>Jampannavagu          | 18.388       | 80.3918       | Rf<br>Mt       | 01/06/2000<br>01/06/1988               |
| 18.   | Ankushapur                   | Telangana   | Jayshankar<br>Bhupalpally | HO             | Godavari / Maneru /<br>Chalivagu    | 18.3769      | 79.6261       | Rf<br>Mt       | 17/09/2021<br>17/07/2017               |
| 19.   | Eturunagaram                 | Telangana   | Mulugu                    | HO / FF        | Godavari                            | 18.3309      | 80.4672       | Rf<br>Mt       | 01/09/2021<br>24/07/2016               |
| 20.   | Gandlapet                    | Telangana   | Nizamabad                 | HO             | Godavari / Peddavagu                | 18.8289      | 78.4367       | Rf<br>Mt       | 01/06/2000<br>01/06/2000               |
| 21.   | Garimillapalli               | Telangana   | Jayshankar<br>Bhupalpally | HO             | Godavari / Maneru /<br>Moranchavagu | 18.4471      | 79.7045       | Rf<br>Mt       | 01/07/2017<br>02/09/2021               |
| 22.   | Kaleswaram                   | Telangana   | Jayshankar<br>Bhupalpally | HO / FF        | Godavari                            | 18.8128      | 79.9218       | Rf<br>Mt       | 23/07/1988<br>11/02/2022               |

| Sl.No | Site                     | State     | District   | HO/FF/<br>HOIW | River Tributary    | Latitude(°N) | Longitude(°E) | Met Para                         | Date of Start                                                                    |
|-------|--------------------------|-----------|------------|----------------|--------------------|--------------|---------------|----------------------------------|----------------------------------------------------------------------------------|
| 23.   | Mancherial               | Telangana | Mancherial | HO             | Godavari           | 18.8364      | 79.4447       | Rf<br>Mt<br>Wv<br>Pe             | 01/11/1992<br>01/11/1992<br>01/11/1992<br>01/11/1992                             |
| 24.   | Nagaram                  | Telangana | Karimnagar | HO             | Godavari / Maneru  | 18.4178      | 79.5581       | Rf                               | 27/11/2021                                                                       |
| 25.   | Perur                    | Telangana | Mulugu     | HO             | Godavari           | 18.5354      | 80.3777       | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe | 15/06/1978<br>26/05/2000<br>01/06/2001<br>24/06/2001<br>01/06/2001<br>01/06/2001 |
| 26.   | Saloor                   | Telangana | Nizamabad  | HO             | Godavari / Manjira | 18.7891      | 77.8318       | Rf                               | 28/05/2021                                                                       |
| 27.   | Somanpally<br>(Seasonal) | Telangana | peddapalli | HO             | Godavari / Maneru  | 18.6144      | 79.803        | Rf<br>Mt                         | 06/09/2021<br>24/04/2016                                                         |

| Details of the Exclusive Meteorological Observation Stations |                                                  |
|--------------------------------------------------------------|--------------------------------------------------|
| Region                                                       | Krishna & Godavari Basin Organisation, Hyderabad |
| Circle                                                       | Godavari Circle, Hyderabad                       |
| Division                                                     | Upper Godavari Division, Hyderabad               |
| TOTAL NUMBER OF SITES: 01                                    |                                                  |
| Basin: Godavari Basin                                        |                                                  |

| Sl.No | Site       | State       | District   | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|------------|-------------|------------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.    | Aurangabad | Maharashtra | Aurangabad | Met & FF       | Godavari        | 19.2967      | 75.3486       | Rf       | 22/02/2001    |

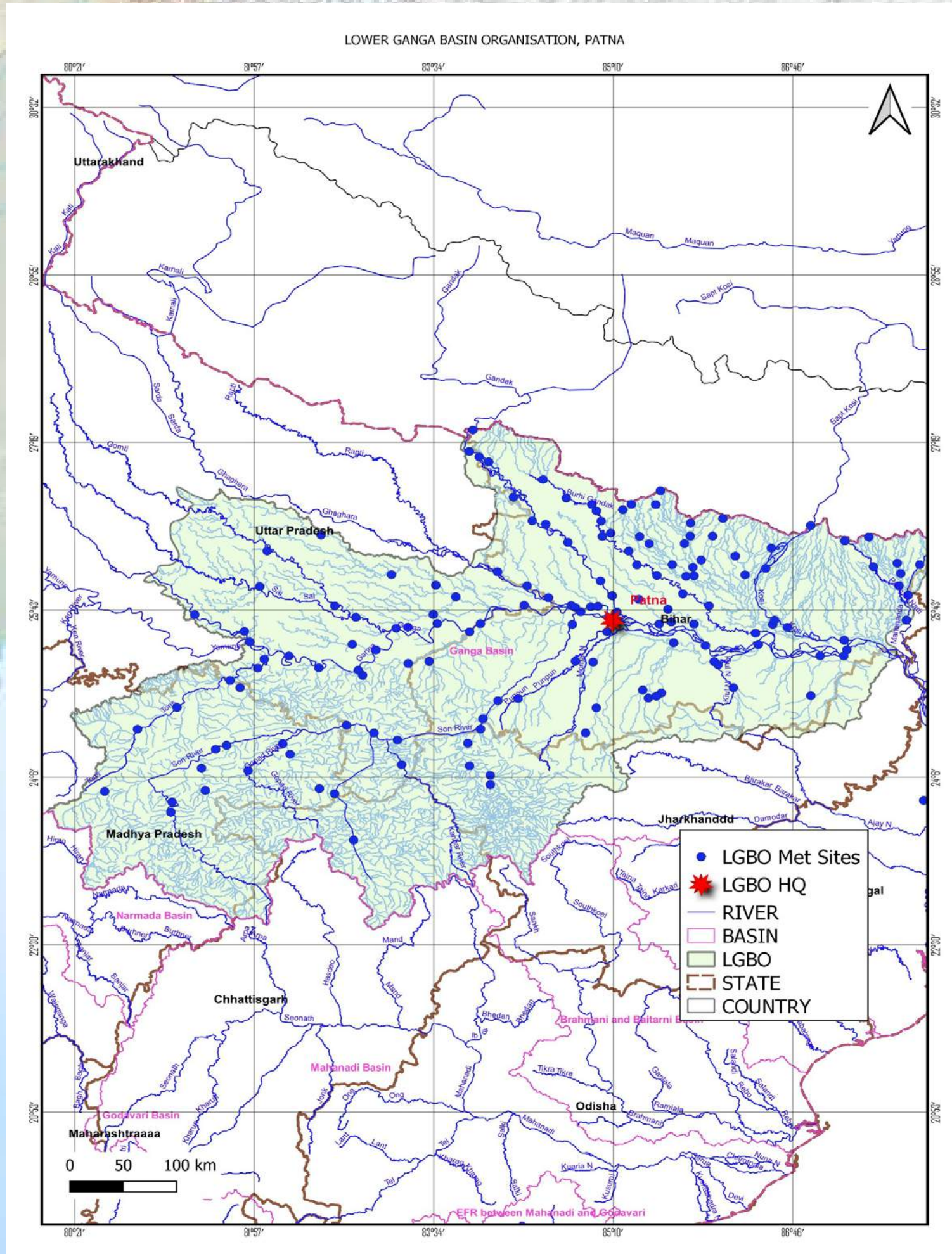
| Details of the Meteorological Observations on HO/FF Stations |                                                  |
|--------------------------------------------------------------|--------------------------------------------------|
| Region                                                       | Krishna & Godavari Basin Organisation, Hyderabad |
| Circle                                                       | Godavari Circle, Hyderabad                       |
| Division                                                     | Upper Krishna Division, Pune                     |
| TOTAL NUMBER OF SITES: 24                                    |                                                  |
| Basin: Krishna Basin                                         |                                                  |

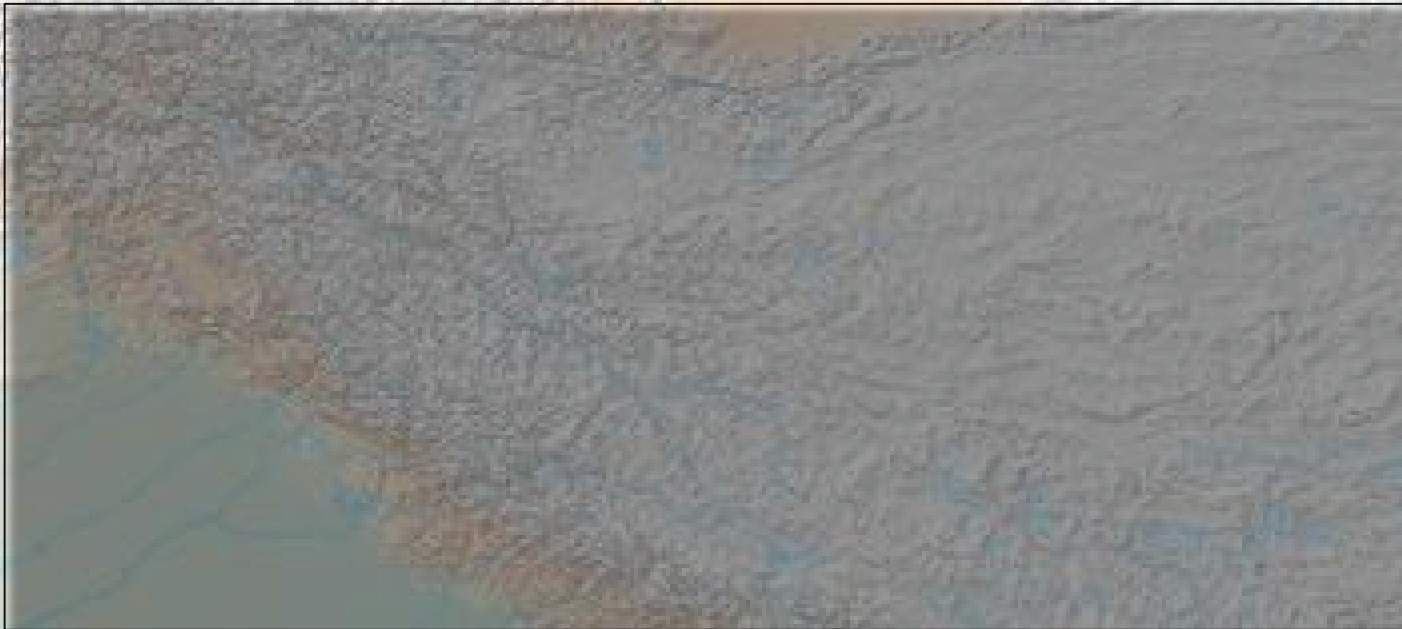
| Sl.No | Site                   | State       | District                | HO/FF/<br>HOIW | River Tributary                                  | Latitude(°N) | Longitude(°E) | Met Para                                | Date of Start                                                                                  |
|-------|------------------------|-------------|-------------------------|----------------|--------------------------------------------------|--------------|---------------|-----------------------------------------|------------------------------------------------------------------------------------------------|
| 1.    | Kokangaon              | Karnataka   | Vijayapura<br>(Bijapur) | HO             | Krishna / Bhima /<br>Borinala                    | 17.2864      | 75.6372       | Rf<br>Mt<br>Wv<br>Hu                    | 01/06/2021<br>27/07/1979<br>01/09/2020<br>01/02/2018                                           |
| 2.    | Sadalga<br>(Seasonal)  | Karnataka   | Belgaum                 | HO             | Krishna / Dudhganga                              | 16.5639      | 74.5275       | Rf<br>Mt<br>Wv<br>Hu                    | 06/01/2019<br>06/01/2019<br>06/01/2019<br>06/01/2019                                           |
| 3.    | Shirdhon               | Karnataka   | Vijayapura<br>(Bijapur) | HO             | Krishna / Bhima /<br>Shirnandagi<br>(Doddanalla) | 17.3686      | 75.5942       | Rf<br>Mt<br>Wv<br>Hu                    | 01/06/2021<br>27/07/1979<br>01/09/2020<br>23/07/2019                                           |
| 4.    | Arjunwad<br>(Seasonal) | Maharashtra | Kolhapur                | HO / FF        | Krishna                                          | 16.7808      | 74.6333       | Rf<br>Mt<br>Wv<br>Hu                    | 06/01/2019<br>06/01/2019<br>06/01/2019<br>06/01/2019                                           |
| 5.    | Daund                  | Maharashtra | Pune                    | HO             | Krishna / Bhima                                  | 18.4739      | 74.5764       | Rf<br>Mt<br>Wv<br>Hu                    | 01/06/2021<br>01/06/1986<br>01/01/2020<br>03/07/2019                                           |
| 6.    | Karad                  | Maharashtra | Satara                  | HO             | Krishna                                          | 17.2944      | 74.1903       | Rf<br>Mt<br>Wv<br>Hu                    | 01/07/2019<br>01/07/2019<br>01/07/2019<br>01/07/2019                                           |
| 7.    | Kurundwad              | Maharashtra | Kolhapur                | HO             | Krishna                                          | 16.6836      | 74.6031       | Rf<br>Mt<br>Wv<br>Hu                    | 01/05/2019<br>05/09/1973<br>01/06/2014<br>01/06/2014                                           |
| 8.    | Mirawadi               | Maharashtra | Pune                    | HO             | Mula Mutha                                       | 18.534       | 74.1741       | Rf<br>Mt<br>Wv<br>Hu                    | 01/06/2020<br>20/07/2018<br>19/09/2019<br>19/09/2019                                           |
| 9.    | Nandre                 | Maharashtra | Sangli                  | HO             | Krishna / Yerala                                 | 16.9497      | 74.5297       | Rf<br>Mt<br>Wv<br>Hu                    | 06/01/2019<br>06/01/2019<br>06/01/2019<br>06/01/2019                                           |
| 10.   | Narsingpur             | Maharashtra | Solapur                 | HO             | Krishna / Bhima                                  | 17.9722      | 75.1392       | Rf<br>Mt<br>Wv<br>FCS<br>Hu<br>Pe<br>Ss | 25/12/2002<br>25/10/2002<br>26/10/2002<br>01/08/2003<br>01/08/2003<br>01/08/2003<br>01/08/2003 |

| Sl.No                           | Site                   | State       | District | HO/FF/<br>HOIW | River Tributary        | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|---------------------------------|------------------------|-------------|----------|----------------|------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 11.                             | Pargaon                | Maharashtra | Pune     | HO             | Krishna / Bhima        | 18.5723      | 74.3921       | Mt<br>Hu             | 03/01/2015<br>11/04/2017                             |
| 12.                             | Phulgaon<br>(Seasonal) | Maharashtra | Pune     | HO             | Krishna / Bhima        | 18.6665      | 74.0018       | Mt<br>Wv<br>Hu       | 01/07/1988<br>10/02/2002<br>01/07/2018               |
| 13.                             | Samdoli<br>(Seasonal)  | Maharashtra | Sangli   | HO             | Krishna / Varna        | 16.8562      | 74.4964       | Rf<br>Mt<br>Wv<br>Hu | 01/06/2019<br>16/06/2005<br>01/09/2003<br>01/06/2019 |
| 14.                             | Sarati                 | Maharashtra | Pune     | HO             | Krishna / Bhima / Nira | 17.9114      | 75.0075       | Rf<br>Mt<br>Wv<br>Hu | 14/06/2020<br>12/01/1981<br>19/04/1993<br>05/06/2017 |
| 15.                             | Takli                  | Maharashtra | Solapur  | HO             | Krishna / Bhima        | 17.4131      | 75.8478       | Rf<br>Mt<br>Wv<br>Hu | 01/06/1987<br>24/05/1967<br>01/06/2005<br>01/03/2014 |
| 16.                             | Targaon                | Maharashtra | Satara   | HO             | Krishna                | 17.5177      | 74.146        | Rf<br>Mt<br>Wv<br>Hu | 06/01/2019<br>06/01/2019<br>06/01/2019<br>06/01/2019 |
| 17.                             | Wadakbal               | Maharashtra | Solapur  | HO             | Krishna / Bhima / Sina | 17.5331      | 75.8852       | Rf<br>Mt<br>Wv<br>Hu | 01/06/1987<br>01/06/1974<br>01/06/2005<br>21/03/2017 |
| 18.                             | Warunji                | Maharashtra | Satara   | HO             | Krishna / Koyna        | 17.2722      | 74.165        | Rf<br>Mt<br>Wv<br>Hu | 06/01/2019<br>06/01/2019<br>06/01/2019<br>06/01/2019 |
| <b>Basin: WFR South of Tapi</b> |                        |             |          |                |                        |              |               |                      |                                                      |
| 19.                             | Badlapur               | Maharashtra | Thane    | HO             | Ulhas                  | 19.1622      | 73.2544       | Rf<br>Mt<br>Wv<br>Hu | 01/12/1984<br>01/12/1985<br>01/12/1984<br>25/06/2017 |
| 20.                             | Mahad                  | Maharashtra | Raigad   | HO             | Savitri                | 18.0922      | 73.4603       | Mt<br>Hu             | 07/05/1997<br>01/07/2019                             |
| 21.                             | Mangaon<br>(Seasonal)  | Maharashtra | Raigad   | HO             | Savitri / Kal          | 18.2317      | 73.2833       | Rf<br>Mt<br>Wv<br>Hu | 01/06/1980<br>01/07/2017<br>01/07/2017<br>01/07/2017 |

| Sl.No | Site      | State       | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|-----------|-------------|-----------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 22.   | Muradpur  | Maharashtra | Ratnagiri | HO             | Vashishti       | 17.5393      | 73.5221       | Rf<br>Mt<br>Wv<br>Hu | 01/06/2021<br>01/06/2021<br>01/10/2019<br>01/10/2019 |
| 23.   | Nagothane | Maharashtra | Raigad    | HO             | Amba            | 18.5192      | 73.1564       | Rf<br>Mt<br>Wv<br>Hu | 01/06/2021<br>06/07/1996<br>04/09/2010<br>19/09/2019 |
| 24.   | Nivali    | Maharashtra | Ratnagiri | HO             | Bav             | 17.0684      | 73.4495       | Mt<br>Hu             | 17/01/2020<br>17/01/2020                             |

# LOWER GANGA BASIN ORGANISATION





**BIRPUR GAUGE SITE ON KOSI RIVER, LOWER GANGA DIVISION-1**



**KOYLARI (G) SITE ON BANAS RIVER, UPPER SONE RIHAND SUB-DIVISION, MADHYA PRADESH, REWA**



**GOVERDHEYAGHAT (G) SITE ON SONE RIVER, UPPER SONE RIHAND SUB-DIVISION, MADHYA PRADESH, REWA**

| Details of the Meteorological Observations on HO/FF Stations |                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|
| Region                                                       | Lower Ganga basin Organisation, Patna                           |
| Circle                                                       | Monitoring Directorate / Hydrological Observation Circle, Patna |
| Division                                                     | Lower Ganga Division-I, Patna                                   |
| TOTAL NUMBER OF SITES-60                                     |                                                                 |
| Basin: Ganga Basin                                           |                                                                 |

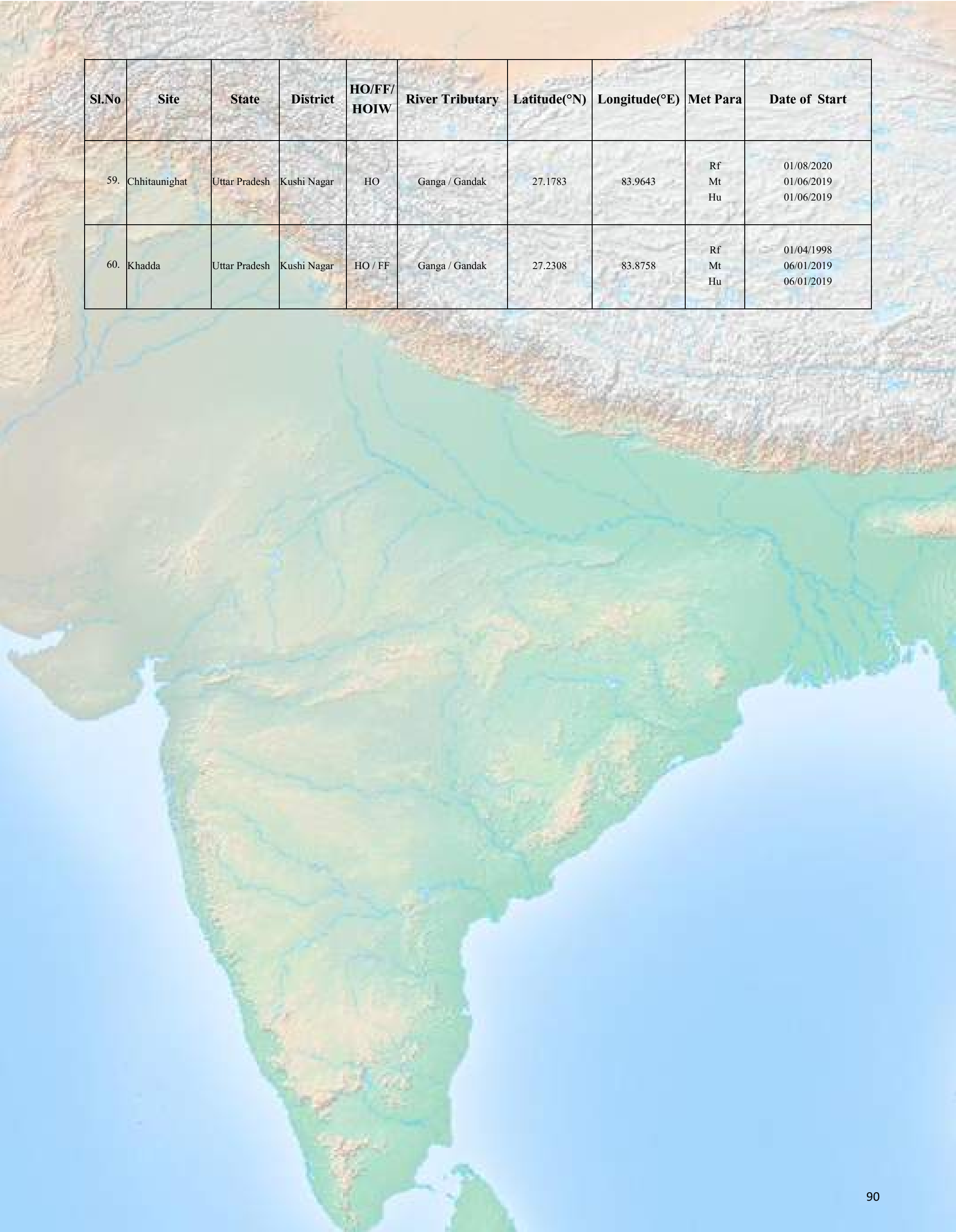
| Sl.No | Site      | State | District       | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|-----------|-------|----------------|----------------|-----------------------------------|--------------|---------------|----------------|----------------------------------------|
| 1.    | Ahirwalia | Bihar | East Champaran | HO / FF        | Ganga / Burhi Gandak              | 26.4155      | 85.0663       | Rf<br>Mt<br>Hu | 01/12/2017<br>01/01/2019<br>01/01/2019 |
| 2.    | Amour     | Bihar | Purnea         | HO             | Mahananda / Parman                | 25.9415      | 87.7204       | Rf<br>Mt<br>Hu | 01/04/2019<br>01/06/2020<br>01/06/2020 |
| 3.    | Araria    | Bihar | Araria         | HO / FF        | Ganga / Mahananda / Parman        | 26.1245      | 87.4923       | Rf<br>Mt<br>Hu | 01/07/1978<br>08/05/2018<br>08/05/2018 |
| 4.    | Bachhwara | Bihar | Begusarai      | HO             | Ganga / Baya                      | 25.5747      | 85.8867       | Rf             | 29/07/2022                             |
| 5.    | Badlaghat | Bihar | Khagaria       | HO             | Ganga / Kosi / Bagmati            | 25.571       | 86.5912       | Rf             | 31/07/2022                             |
| 6.    | Bagaha    | Bihar | West Champaran | HO             | Ganga / Gandak                    | 27.1291      | 84.0483       | Rf<br>Mt<br>Hu | 01/06/2020<br>01/06/2020<br>01/06/2020 |
| 7.    | Bairgania | Bihar | Sitamarhi      | HO             | Ganga / Kosi / Bagmati / Lalbekia | 26.6723      | 85.2494       | Rf<br>Mt<br>Hu | 01/08/2020<br>22/11/2019<br>22/11/2019 |
| 8.    | Baltara   | Bihar | Khagaria       | HO / FF        | Ganga / Kosi                      | 25.5415      | 86.7225       | Rf<br>Mt       | 01/09/1997<br>01/01/2003               |
| 9.    | Basua     | Bihar | Supaul         | HO / FF        | Ganga / Kosi                      | 26.1085      | 86.5289       | Rf             | 01-01-2011                             |
| 10.   | Bathnaha  | Bihar | Araria         | HO             | Parman                            | 26.3726      | 87.2369       | Rf<br>Mt<br>Hu | 02/07/2019<br>01/06/2020<br>01/06/2020 |

| Sl.No | Site           | State | District          | HO/FF/<br>HOIW | River Tributary                    | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|----------------|-------|-------------------|----------------|------------------------------------|--------------|---------------|----------------|----------------------------------------|
| 11.   | Belsand        | Bihar | Sitamarhi         | HO             | Ganga / Kosi /<br>Bagmati          | 26.4143      | 85.4          | Rf<br>Mt<br>Hu | 01/08/2020<br>01/08/2020<br>01/08/2020 |
| 12.   | Benibad        | Bihar | Muzaffarpur       | HO / FF        | Ganga / Kosi /<br>Bagmati          | 26.1447      | 85.6922       | Rf<br>Mt<br>Hu | 04/08/2006<br>04/08/2006<br>01/06/2019 |
| 13.   | Birpur         | Bihar | Supaul            | HO             | Ganga / Kosi                       | 26.5199      | 86.9314       | Rf<br>Mt<br>Hu | 15/06/1983<br>01/06/2020<br>01/06/2020 |
| 14.   | Bishunpur      | Bihar | Dharbhanga        | HO             | Ganga / Kosi / Bagmati             | 26.0325      | 85.8148       | Rf<br>Mt<br>Hu | 01/06/2016<br>08/07/2018<br>08/07/2018 |
| 15.   | Chanpatia      | Bihar | West<br>Champaran | HO             | Ganga / Burhi Gandak               | 26.9608      | 84.5354       | Rf<br>Mt<br>Hu | 01/01/1991<br>01/03/2019<br>01/03/2019 |
| 16.   | Chargharia     | Bihar | Kishanganj        | HO             | Ganga / Mahananda /<br>West Kankai | 26.1579      | 87.7053       | Rf<br>Mt<br>Hu | 01/01/1987<br>01/06/2020<br>01/06/2020 |
| 17.   | Chatia         | Bihar | East<br>Champaran | HO / FF        | Ganga / Gandak                     | 26.5328      | 84.5586       | Rf<br>Mt<br>Hu | 01/01/1982<br>01/02/2019<br>01/02/2019 |
| 18.   | Chintawanpur   | Bihar | East<br>Champaran | HO             | Ganga / Burhi Gandak               | 26.5618      | 85.0559       | Rf<br>Mt<br>Hu | 01/07/2020<br>08/06/2020<br>08/06/2020 |
| 19.   | Dalsingh sarai | Bihar | Samastipur        | HO             | Ganga / Noon                       | 25.7155      | 85.6538       | Rf             | 27/07/2022                             |
| 20.   | Dhamaraghat    | Bihar | Khagaria          | HO             | Ganga / Kosi                       | 25.6113      | 86.6069       | Rf             | 03-08-2022                             |
| 21.   | Dheng Bridge   | Bihar | Sitamarhi         | HO / FF        | Ganga / Kosi /<br>Bagmati          | 26.7234      | 85.326        | Rf<br>Mt<br>Hu | 01/01/1982<br>01/01/2019<br>01/01/2019 |
| 22.   | Dhengraghat    | Bihar | Purnia            | HO / FF        | Ganga / Mahananda                  | 25.8505      | 87.8031       | Rf<br>Mt<br>Hu | 23/03/1985<br>01/06/2020<br>01/06/2020 |

| Sl.No | Site                           | State | District    | HO/FF/<br>HOIW | River Tributary                               | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|--------------------------------|-------|-------------|----------------|-----------------------------------------------|--------------|---------------|----------------|----------------------------------------|
| 23.   | Dumariaghat                    | Bihar | Gopalganj   | HO / FF        | Ganga / Gandak                                | 26.3589      | 84.7581       | Rf<br>Mt<br>Hu | 01/01/1978<br>01/06/2012<br>01/03/2019 |
| 24.   | Ekmighat                       | Bihar | Darbhangha  | HO / FF        | Ganga / Kosi / Bagmati /<br>Adhwara groups    | 26.1194      | 85.8764       | Rf<br>Mt<br>Hu | 01/06/2016<br>01/06/2016<br>05/05/2018 |
| 25.   | Galgalia                       | Bihar | Kishanganj  | HO             | Ganga / Mahananda /<br>Mechi                  | 26.5199      | 88.1058       | Rf<br>Mt<br>Hu | 21/06/1973<br>01/06/2020<br>01/06/2020 |
| 26.   | Hayaghat                       | Bihar | Darbhangha  | HO / FF        | Ganga / Kosi / Bagmati                        | 26.0375      | 85.8864       | Rf<br>Mt       | 25/02/1983<br>25/02/1983               |
| 27.   | Indo Nepal Border<br>(Bhutahi) | Bihar | Sitamarhi   | HO             | Ganga / Kosi / Bagmati /<br>Lakhendehi        | 26.7208      | 85.5442       | Rf<br>Mt<br>Hu | 09/06/2020<br>01/08/2019<br>09/06/2020 |
| 28.   | Jainagar                       | Bihar | Madhubani   | HO / FF        | Ganga / Kosi / Kamla-<br>Balan                | 26.5867      | 86.1456       | Rf<br>Mt<br>Hu | 15/06/1976<br>01/01/1980<br>01/06/2019 |
| 29.   | Jhagarua                       | Bihar | Madhubani   | HO             | Ganga / Kosi /<br>Bagmati / Kamla Balan       | 26.0467      | 86.3431       | Rf             | 01-04-2022                             |
| 30.   | Jhanjharpur                    | Bihar | Madhubani   | HO / FF        | Ganga / Kosi /<br>Bagmati / Kamla Balan       | 26.2266      | 86.2561       | Rf<br>Mt<br>Hu | 01/01/1981<br>01/05/2018<br>01/05/2018 |
| 31.   | Jhawa                          | Bihar | Katihar     | HO / FF        | Ganga / Mahananda                             | 25.6129      | 87.7878       | Rf<br>Mt<br>Hu | 22/07/1978<br>01/06/2020<br>01/06/2020 |
| 32.   | Kakarghatti                    | Bihar | Darbhangha  | HO             | Ganga / Kosi / Bagmati /<br>Kamla Balan       | 26.1886      | 85.9508       | Rf<br>Mt       | 01/03/2020<br>01/08/2019               |
| 33.   | Kamtaul                        | Bihar | Darbhangha  | HO / FF        | Ganga / Kosi /<br>Bagmati / Adhwara<br>Groups | 26.3474      | 85.8014       | Rf<br>Mt       | 31/12/1980<br>31/12/1980               |
| 34.   | Kanti                          | Bihar | Muzaffarpur | HO             | Burhi Gandak                                  | 26.2744      | 85.3023       | Rf<br>Mt<br>Hu | 01/02/2019<br>01/07/2020<br>01/07/2020 |

| Sl.No | Site            | State | District       | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|-----------------|-------|----------------|----------------|----------------------------------|--------------|---------------|----------------|----------------------------------------|
| 35.   | Kapasiya        | Bihar | Madhubani      | HO             | Ganga / Kosi / Bagmati / Jivach  | 26.4186      | 86.0533       | Rf             | 01-06-2020                             |
| 36.   | Khagaria        | Bihar | Khagaria       | HO / FF        | Ganga / Burhi Gandak             | 25.4872      | 86.4374       | Rf<br>Mt       | 01/04/1989<br>10/04/2019               |
| 37.   | Kukraha         | Bihar | Gopalganj      | HO             | Ganga / Gandak                   | 26.5644      | 84.4389       | Rf<br>Mt<br>Hu | 01/06/2020<br>16/02/2021<br>16/02/2021 |
| 38.   | Kursela         | Bihar | Katihar        | HO / FF        | Ganga / Kosi                     | 25.4202      | 87.2315       | Rf<br>Mt       | 01/04/1986<br>03/02/2020               |
| 39.   | Lakhoura        | Bihar | East Champaran | HO             | Ganga / Burhi Gandak / Tiyar     | 26.7221      | 84.9722       | Rf<br>Mt<br>Hu | 15/06/2020<br>05/08/2019<br>05/08/2019 |
| 40.   | Lalbegiaghat    | Bihar | East Champaran | HO / FF        | Ganga / Burhi Gandak             | 26.6603      | 85.0135       | Rf<br>Mt<br>Hu | 01/07/2005<br>01/01/2019<br>01/06/2020 |
| 41.   | Madhuban        | Bihar | East Champaran | HO             | Ganga / Burhi Gandak / Kachhua   | 26.4471      | 85.1412       | Rf<br>Mt<br>Hu | 20/06/2020<br>01/08/2019<br>09/06/2020 |
| 42.   | Mohauddin Nagar | Bihar | Samastipur     | HO             | Ganga / Baya                     | 25.5947      | 85.6847       | Rf             | 02-08-2022                             |
| 43.   | Moujabadi       | Bihar | Kishanganj     | HO             | Mahananda                        | 26.1445      | 87.9063       | Rf<br>Mt<br>Hu | 01/04/2019<br>01/06/2020<br>01/06/2020 |
| 44.   | Nirmali         | Bihar | Supaul         | HO             | Ganga / Kosi / Bagmati / Tiljuga | 26.3036      | 86.5783       | Rf<br>Mt       | 01/06/2020<br>01/06/2019               |
| 45.   | Rauta           | Bihar | Purnea         | HO             | W. Kankari                       | 26.0586      | 87.7368       | Rf<br>Mt<br>Hu | 02/07/2019<br>01/06/2020<br>01/06/2020 |
| 46.   | Rosera          | Bihar | Samastipur     | HO / FF        | Ganga / Burhi Gandak             | 25.7502      | 86.0212       | Rf             | 01-07-1989                             |

| Sl.No | Site        | State | District        | HO/FF/<br>HOIW | River Tributary                                | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|-------------|-------|-----------------|----------------|------------------------------------------------|--------------|---------------|----------------|----------------------------------------|
| 47.   | Runisaidpur | Bihar | Muzaffarpur     | HO / FF        | Ganga / Kosi /<br>Bagmati                      | 26.3461      | 85.4856       | Rf<br>Mt<br>Hu | 14/07/2022<br>14/08/2019<br>14/08/2019 |
| 48.   | Saharghat   | Bihar | Madhubani       | HO             | Adhwara Group                                  | 26.5431      | 85.8557       | Rf<br>Mt       | 01/06/2016<br>01/06/2015               |
| 49.   | Sakra       | Bihar | Muzaffarpur     | HO             | Burhi Gandak                                   | 26.0405      | 85.555        | Rf<br>Mt<br>Hu | 01/04/2019<br>01/04/2019<br>01/04/2019 |
| 50.   | Samastipur  | Bihar | Samastipur      | HO / FF        | Ganga / Burhi<br>Gandak                        | 25.8652      | 85.7865       | Rf             | 01-01-1992                             |
| 51.   | Saulighat   | Bihar | Madhubani       | HO             | Ganga / Kosi /<br>Bagmati / Adhwara /<br>Dhaus | 26.4182      | 85.8531       | Rf<br>Mt<br>Hu | 01/06/2009<br>01/06/2009<br>01/06/2009 |
| 52.   | Sikandarpur | Bihar | Muzaffarpur     | HO / FF        | Ganga / Burhi Gandak                           | 26.1427      | 85.3761       | Rf<br>Mt<br>Hu | 01/01/2010<br>01/01/2019<br>01/10/2018 |
| 53.   | Sikti       | Bihar | Araria          | HO             | Bakra                                          | 26.4102      | 87.4499       | Rf<br>Mt       | 01/06/2019<br>01/06/2020               |
| 54.   | Sonbarsa    | Bihar | Sitamarhi       | HO / FF        | Ganga / Kosi /<br>Bagmati / Adhwara            | 26.8543      | 85.5861       | Rf<br>Mt<br>Hu | 01/06/2020<br>01/06/2018<br>01/06/2018 |
| 55.   | Sugauli     | Bihar | East<br>Champan | HO             | Ganga / Burhi Gandak                           | 26.7833      | 84.7439       | Rf<br>Mt<br>Hu | 09/06/2020<br>09/06/2020<br>09/06/2020 |
| 56.   | Taibpur     | Bihar | Kishanganj      | HO / FF        | Ganga / Mahananda                              | 26.3925      | 88.1572       | Rf<br>Mt<br>Hu | 25/06/1971<br>01/06/2019<br>01/06/2019 |
| 57.   | Thakraha    | Bihar | West<br>Champan | HO             | Ganga / Gandak                                 | 26.7918      | 84.2702       | Rf<br>Mt<br>Hu | 14/08/2021<br>04/06/2020<br>04/06/2020 |
| 58.   | Triveni     | Bihar | West<br>Champan | HO             | Ganga / Gandak                                 | 27.4363      | 83.9077       | Rf<br>Mt       | 01/11/2009<br>01/01/2020               |



| Sl.No | Site          | State         | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|---------------|---------------|-------------|----------------|-----------------|--------------|---------------|----------------|----------------------------------------|
| 59.   | Chhitaunighat | Uttar Pradesh | Kushi Nagar | HO             | Ganga / Gandak  | 27.1783      | 83.9643       | Rf<br>Mt<br>Hu | 01/08/2020<br>01/06/2019<br>01/06/2019 |
| 60.   | Khadda        | Uttar Pradesh | Kushi Nagar | HO / FF        | Ganga / Gandak  | 27.2308      | 83.8758       | Rf<br>Mt<br>Hu | 01/04/1998<br>06/01/2019<br>06/01/2019 |

| Details of the Meteorological Observations on HO/FF Stations |                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|
| Region                                                       | Lower Ganga basin Organisation, Patna                           |
| Circle                                                       | Monitoring Directorate / Hydrological Observation Circle, Patna |
| Division                                                     | Lower Ganga Division-II, Patna                                  |
| TOTAL NUMBER OF SITES-42                                     |                                                                 |
| Basin: Ganga Basin                                           |                                                                 |

| Sl.No | Site      | State | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------|-------|-----------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 1.    | Azmabad   | Bihar | Bhagalpur | HO             | Ganga           | 25.3276      | 87.2542       | Rf<br>Mt | 24/04/1957<br>24/04/1957 |
| 2.    | Banjari   | Bihar | Rohtas    | HO             | Ganga / Sone    | 24.6655      | 83.9977       | Rf       | 01-06-2022               |
| 3.    | Banka     | Bihar | Banka     | HO             | Ganga / Chandan | 24.8872      | 86.9322       | Rf       | 01-06-2022               |
| 4.    | Bhagalpur | Bihar | Bhagalpur | HO / FF        | Ganga           | 25.2686      | 87.0153       | Rf<br>Mt | 15/06/1980<br>15/06/1980 |
| 5.    | Buxar     | Bihar | Buxar     | HO / FF        | Ganga           | 25.5786      | 83.9755       | Rf<br>Mt | 01/01/1956<br>01/01/1956 |
| 6.    | Chhapra   | Bihar | Saran     | HO / FF        | Ganga / Ghaghra | 25.7542      | 84.7875       | Rf       | 06-01-1979               |
| 7.    | Darauli   | Bihar | Siwan     | HO / FF        | Ganga / Ghaghra | 26.0767      | 84.1283       | Rf       | 06-01-1972               |
| 8.    | Dighwara  | Bihar | Saran     | HO             | Ganga           | 25.7411      | 84.9631       | Rf       | 01-06-2022               |
| 9.    | Dobhi     | Bihar | Gaya      | HO             | Ganga / Phalgu  | 24.5301      | 84.9168       | Rf       | 01-06-2022               |
| 10.   | Doriganj  | Bihar | Saran     | HO             | Ganga           | 25.733       | 84.8244       | Rf       | 01-06-2022               |

| Sl.No | Site           | State | District  | HO/FF/<br>HOIW | River Tributary                                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|-------|-----------|----------------|--------------------------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Gandhighat     | Bihar | Patna     | HO / FF        | Ganga                                            | 25.6233      | 85.1711       | Mt       | 05-11-1957               |
| 12.   | Gangpur Siswan | Bihar | Siwan     | HO / FF        | Ganga / Ghaghra                                  | 25.9403      | 84.3919       | Rf       | 01-06-2022               |
| 13.   | Gaya           | Bihar | Gaya      | HO             | Ganga / Phalgu                                   | 24.7708      | 85.0121       | Rf<br>Mt | 09/06/1957<br>09/06/1957 |
| 14.   | Hajipur        | Bihar | Vaishali  | HO / FF        | Ganga / Gandak                                   | 25.6894      | 85.1967       | Rf       | 01-06-1978               |
| 15.   | Hathidah       | Bihar | Patna     | HO / FF        | Ganga                                            | 25.3686      | 85.9886       | Rf<br>Mt | 01/07/1948<br>01/07/1948 |
| 16.   | Hisua          | Bihar | Nawada    | HO             | Ganga / Kiul / Harohar /<br>Panchane / Dhanarjay | 24.8636      | 85.4783       | Rf       | 01-06-2022               |
| 17.   | Indrapuri      | Bihar | Rohtas    | HO / FF        | Ganga / Sone                                     | 24.8394      | 84.1322       | Rf       | 01-06-1972               |
| 18.   | Jamui          | Bihar | Jamui     | HO             | Ganga / Kiul                                     | 24.9636      | 86.2394       | Rf       | 01-06-2022               |
| 19.   | Jehanabad      | Bihar | Jehanabad | HO             | Ganga / Punpun /<br>Dardha                       | 25.2095      | 84.9837       | Rf       | 01-06-2022               |
| 20.   | Kadirganj      | Bihar | Nawada    | HO             | Ganga / Kiul /<br>Harohar / Sakri                | 24.9125      | 85.5944       | Rf       | 01-06-2022               |
| 21.   | Kahalgaoon     | Bihar | Bhagalpur | HO / FF        | Ganga                                            | 25.2681      | 87.2272       | Rf       | 01-05-1972               |
| 22.   | Kinjar         | Bihar | Arwal     | HO             | Ganga / Punpun                                   | 25.218       | 84.8257       | Rf       | 01-06-2022               |

| Sl.No | Site       | State | District   | HO/FF/<br>HOIW | River Tributary                                            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------|-------|------------|----------------|------------------------------------------------------------|--------------|---------------|----------|--------------------------|
| 23.   | Koelwar    | Bihar | Bhojpur    | HO / FF        | Ganga / Sone                                               | 25.5714      | 84.7978       | Rf<br>Mt | 04/05/1956<br>04/05/1956 |
| 24.   | Lakhisarai | Bihar | Lakhisarai | HO             | Ganga / Kiul                                               | 25.1847      | 86.102        | Rf<br>Mt | 01/02/1957<br>01/02/1957 |
| 25.   | Lalganj    | Bihar | Vaishali   | HO             | Ganga / Gandak                                             | 25.8458      | 85.1544       | Rf<br>Mt | 01/05/1956<br>01/05/1956 |
| 26.   | Mahnar     | Bihar | Vaishali   | HO             | Ganga                                                      | 25.575       | 85.5753       | Rf       | 01-06-2022               |
| 27.   | Mahua      | Bihar | Vaishali   | HO             | Ganga / Baya                                               | 25.8123      | 85.3928       | Rf       | 01-06-2022               |
| 28.   | Maner      | Bihar | Patna      | HO / FF        | Ganga / Sone                                               | 25.6929      | 84.873        | Rf<br>Mt | 06/01/1976<br>06/01/1976 |
| 29.   | Manjhi     | Bihar | Saran      | HO             | Ganga / Ghaghra                                            | 25.8273      | 84.5842       | Rf       | 01-06-2022               |
| 30.   | Mankatha   | Bihar | Lakhisarai | HO             | Ganga / Kiul /<br>Harohar                                  | 25.2144      | 86.0666       | Rf       | 01-06-2022               |
| 31.   | Munger     | Bihar | Munger     | HO / FF        | Ganga                                                      | 25.3778      | 86.4619       | Rf       | 01-06-1969               |
| 32.   | Nardiganj  | Bihar | Nawada     | HO             | Ganga / Kiul /<br>Harohar / Dhadhar                        | 24.9412      | 85.4278       | Rf       | 01-06-2022               |
| 33.   | Nawada     | Bihar | Nawada     | HO             | Ganga / Kiul / Harohar /<br>Dhadhar / Panchane /<br>Khurri | 24.8826      | 85.5498       | Rf       | 01-06-2022               |
| 34.   | Palmerganj | Bihar | Aurangabad | HO             | Ganga / Punpun                                             | 24.8585      | 84.3121       | Rf       | 01-06-1966               |

| Sl.No | Site          | State     | District    | HO/FF/<br>HOIW | River Tributary              | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|---------------|-----------|-------------|----------------|------------------------------|--------------|---------------|----------|--------------------------|
| 35.   | Rewaghat      | Bihar     | Mujaffarpur | HO / FF        | Ganga / Gandak               | 25.9881      | 85.0497       | Rf<br>Mt | 06/01/1971<br>06/01/1971 |
| 36.   | Saksohra      | Bihar     | Patna       | HO             | Ganga / Phalgu               | 25.3955      | 85.7044       | Rf       | 01-06-2022               |
| 37.   | Sitalpur      | Bihar     | Saran       | HO             | Ganga                        | 25.7461      | 85.0265       | Rf       | 01-06-2022               |
| 38.   | Daltonganj    | Jharkhand | Palamu      | HO             | Ganga / Sone /<br>North Koel | 24.0331      | 84.0636       | Rf<br>Mt | 01/07/1970<br>01/07/1970 |
| 39.   | Garhwa        | Jharkhand | Palamu      | HO             | Ganga / Sone /<br>North Koel | 24.2136      | 83.8783       | Rf       | 01-06-2022               |
| 40.   | Japla         | Jharkhand | Palamu      | HO             | Ganga / Sone                 | 24.5669      | 83.9758       | Rf<br>Mt | 11/05/1957<br>11/05/1957 |
| 41.   | Kathautiya    | Jharkhand | Palamu      | HO             | Ganga / Sone /<br>North Koel | 24.1222      | 84.0633       | Rf       | 01-06-2022               |
| 42.   | Mohammad Ganj | Jharkhand | Palamu      | HO             | Ganga / Sone /<br>North Koel | 24.4308      | 83.8622       | Rf<br>Mt | 05/01/1956<br>05/01/1956 |

| Details of the Meteorological Observations on HO/FF Stations |                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|
| Region                                                       | Lower Ganga basin Organisation, Patna                           |
| Circle                                                       | Monitoring Directorate / Hydrological Observation Circle, Patna |
| Division                                                     | Middle Ganga Division-III, Varanasi                             |
| TOTAL NUMBER OF SITES-50                                     |                                                                 |
| Basin: Ganga Basin                                           |                                                                 |

| Sl.No | Site           | State          | District            | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|----------------|---------------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 1.    | Jalalpur       | Assam          | Cachar              | HO             | Sai             | 25.0025      | 92.4572       | Rf<br>Mt | 03/01/1973<br>03/01/1973 |
| 2.    | Sripalpur      | Bihar          | Patna               | HO / FF        | Ganga / Punpun  | 25.5014      | 85.1089       | Rf<br>Mt | 01/05/1957<br>01/05/1957 |
| 3.    | Chousa         | Bihar          | Buxar               | HO             | Karamnasa       | 25.5003      | 83.8789       | Rf       | 07-02-2020               |
| 4.    | Durgawati      | Bihar          | Kaimur<br>(Bhabhua) | HO             | Durgawati       | 25.2164      | 83.5164       | Rf       | 07-02-2020               |
| 5.    | Kharra         | Chhattisgarh   | Surajpur            | HO             | Rihand          | 23.5019      | 82.8403       | Rf<br>Mt | 01/01/1988<br>01/01/1988 |
| 6.    | Chachar        | Madhya Pradesh | Singrauli           | HO             | Mear            | 23.9954      | 82.5339       | Rf       | 01-10-2018               |
| 7.    | Chansura       | Madhya Pradesh | Umariya             | HO             | Sone            | 23.8669      | 81.216        | Rf       | 01-10-2018               |
| 8.    | Churhat        | Madhya Pradesh | Sidhi               | HO             | Sone            | 24.3728      | 81.6055       | Rf       | 01-11-2018               |
| 9.    | Chakghat       | Madhya Pradesh | Rewa                | HO             | Tons            | 25.0333      | 81.7347       | Rf       | 01-11-2018               |
| 10.   | Goverdheyaghat | Madhya Pradesh | Shahdol             | HO             | Sone            | 23.7692      | 81.2053       | Rf<br>Mt | 01/03/2004<br>01/03/2004 |

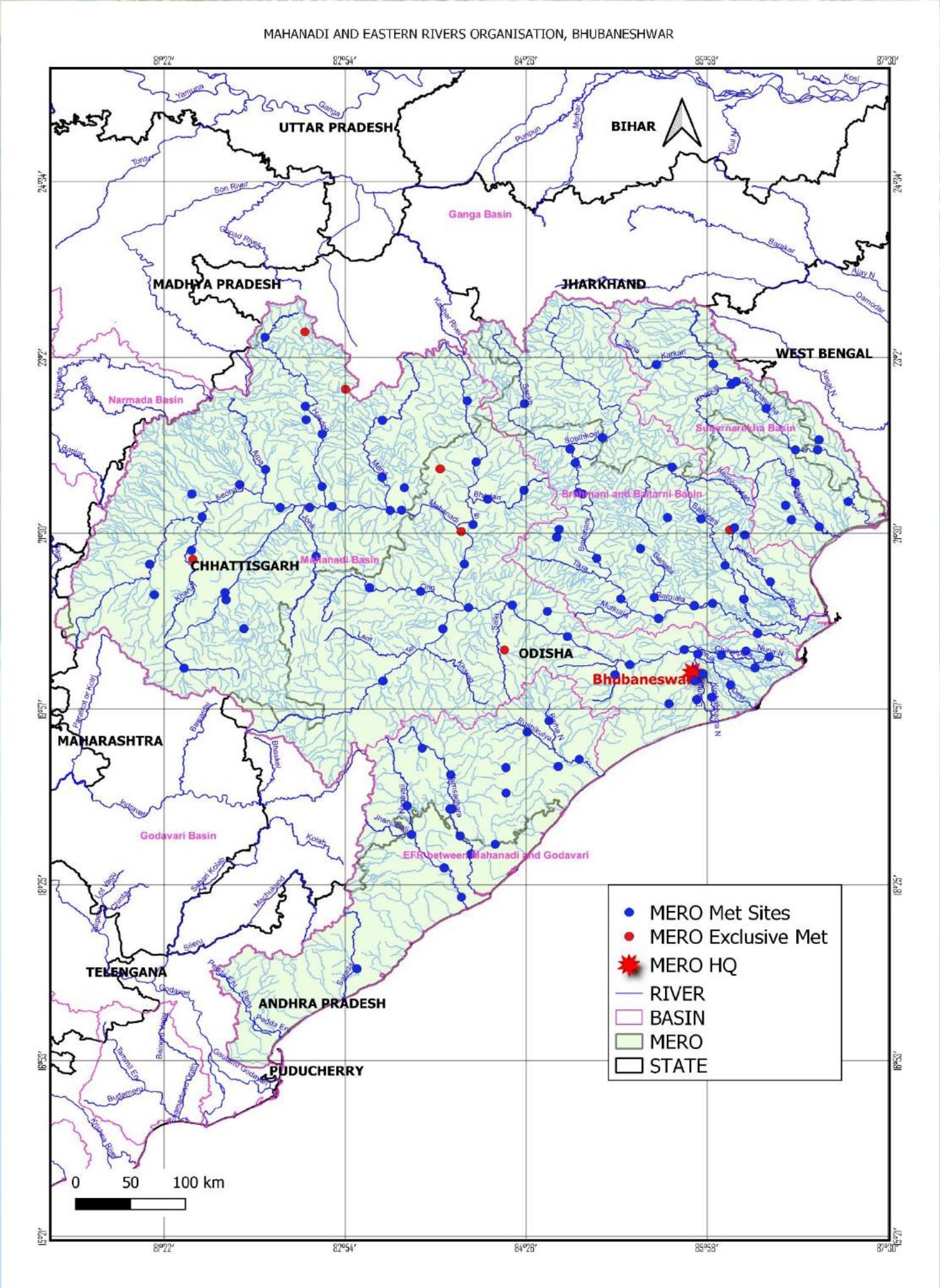
| Sl.No | Site                        | State          | District  | HO/FF/<br>HOIW | River Tributary         | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------------|----------------|-----------|----------------|-------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Jhokoo                      | Madhya Pradesh | Sidhi     | HO             | Gopad                   | 24.4264      | 82.2061       | Rf<br>Mt | 07/28/1981<br>07/28/1981 |
| 12.   | Kairi                       | Madhya Pradesh | Rewa      | HO             | Belan                   | 24.9637      | 81.8247       | Rf       | 01-09-2018               |
| 13.   | Karkota                     | Madhya Pradesh | Singrauli | HO             | Rihand                  | 23.946       | 82.6708       | Rf       | 01-10-2018               |
| 14.   | Koylari                     | Madhya Pradesh | Rewa      | HO             | Ganga / Sone /<br>Banas | 23.9778      | 81.5133       | Rf<br>Mt | 10/01/2018<br>10/01/2018 |
| 15.   | Kuldah Bridge               | Madhya Pradesh | Sidhi     | HO             | Sone                    | 24.4108      | 81.7042       | Rf<br>Mt | 21/08/1964<br>21/08/1964 |
| 16.   | Marvas                      | Madhya Pradesh | Sidhi     | HO             | Gopad                   | 24.1681      | 81.8963       | Rf       | 01-11-2018               |
| 17.   | Naurhia                     | Madhya Pradesh | Sidhi     | HO             | Banas                   | 24.1914      | 81.4794       | Rf       | 01-11-2018               |
| 18.   | Rewa (Godaha)               | Madhya Pradesh | Rewa      | HO             | Tons                    | 24.7742      | 81.2597       | Rf       | 01-10-2018               |
| 19.   | Satna                       | Madhya Pradesh | Satna     | HO             | Tons                    | 24.5656      | 80.9067       | Rf<br>Mt | 01/01/1980<br>01/01/1980 |
| 20.   | Sohar                       | Madhya Pradesh | Singrauli | HO             | Mohan                   | 24.3254      | 82.2722       | Rf       | 01-10-2018               |
| 21.   | Vijay Raghavgarh<br>(Ramna) | Madhya Pradesh | Katni     | HO             | Katni                   | 23.9691      | 80.6126       | Rf       | 01-10-2018               |
| 22.   | Ahrora                      | Uttar Pradesh  | Mirzapur  | HO             | Jargo                   | 25.0827      | 82.9209       | Rf       | 07-02-2020               |

| Sl.No | Site                  | State         | District       | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------|---------------|----------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 23.   | Akbarpur              | Uttar Pradesh | Ambedkar Nagar | HO             | Chhoti Sarju    | 26.4292      | 82.5485       | Rf<br>Mt | 06/01/2015<br>06/01/2015 |
| 24.   | Allahabad             | Uttar Pradesh | Allahabad      | HO / FF        | Ganga           | 25.403       | 81.9113       | Rf<br>Mt | 21/06/1971<br>21/06/1971 |
| 25.   | Ashatpur<br>(Birnaun) | Uttar Pradesh | Ghazipur       | HO             | Maghai          | 25.6667      | 83.5541       | Rf       | 07-02-2020               |
| 26.   | Azamgarh              | Uttar Pradesh | Azamgarh       | HO             | Chhoti Sarju    | 26.0483      | 83.1793       | Rf<br>Mt | 01/01/1988<br>01/01/1988 |
| 27.   | Ballia                | Uttar Pradesh | Ballia         | HO / FF        | Ganga           | 25.756       | 84.3668       | Rf<br>Mt | 11/01/1980<br>11/01/1980 |
| 28.   | Bhiti (Mau)           | Uttar Pradesh | Mau            | HO             | Chhoti Saryu    | 25.9478      | 83.576        | Rf       | 07-02-2020               |
| 29.   | Chopan                | Uttar Pradesh | Sonbhadra      | HO             | Sone            | 24.5297      | 83.0231       | Rf<br>Mt | 17/06/1964<br>17/06/1964 |
| 30.   | Chunar                | Uttar Pradesh | Mirzapur       | HO             | Ganga           | 25.1325      | 82.8823       | Rf       | 07-02-2020               |
| 31.   | Devkali               | Uttar Pradesh | Ghazipur       | HO             | Gaangi          | 25.5442      | 83.3267       | Rf       | 07-02-2020               |
| 32.   | Duddhi                | Uttar Pradesh | Sonbhadra      | HO             | Kanhar          | 24.2242      | 83.2697       | Rf<br>Mt | 06/01/2004<br>06/01/2004 |
| 33.   | Ghazipur              | Uttar Pradesh | Ghazipur       | HO / FF        | Ganga           | 25.58        | 83.5883       | Rf<br>Mt | 01/01/1989<br>01/01/1989 |
| 34.   | Jaunpur               | Uttar Pradesh | Jaunpur        | HO / FF        | Gomti           | 25.7502      | 82.6715       | Rf<br>Mt | 23/09/1973<br>23/09/1973 |

| Sl.No | Site                          | State         | District   | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------------------------|---------------|------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 35.   | Kasmabad                      | Uttar Pradesh | Ghazipur   | HO             | Chhoti Saryu    | 25.8356      | 83.7542       | Rf       | 07-02-2020               |
| 36.   | Kohdarghat<br>(Tons Aquaduct) | Uttar Pradesh | Allahabad  | HO             | Tons            | 25.1518      | 81.9824       | Rf       | 01-09-2018               |
| 37.   | Lalganj                       | Uttar Pradesh | Mirzapur   | HO             | Belan           | 25.8458      | 85.1544       | Rf       | 01-09-2018               |
| 38.   | Maighat                       | Uttar Pradesh | Jaunpur    | HO             | Gomti           | 25.6388      | 82.8611       | Rf<br>Mt | 21/01/1982<br>21/01/1982 |
| 39.   | Mejaroad                      | Uttar Pradesh | Allahabad  | HO             | Tons            | 25.2375      | 82.0408       | Rf<br>Mt | 07/21/1964<br>07/21/1964 |
| 40.   | Mirzapur                      | Uttar Pradesh | Mirzapur   | HO / FF        | Ganga           | 25.1546      | 82.5296       | Rf<br>Mt | 08/01/1977<br>08/01/1977 |
| 41.   | Narahan                       | Uttar Pradesh | Chandauli  | HO             | Karnanasi       | 25.1968      | 83.3299       | Rf<br>Mt | 01/02/2004<br>01/02/2004 |
| 42.   | Negai                         | Uttar Pradesh | Sonebhadra | HO             | Sone            | 24.4623      | 83.2322       | Rf       | 01-11-2018               |
| 43.   | Niwari                        | Uttar Pradesh | Sonebhadra | HO             | Sone            | 24.6036      | 82.7765       | Rf       | 01-11-2018               |
| 44.   | Phaphamau                     | Uttar Pradesh | Allahabad  | HO / FF        | Ganga           | 25.5042      | 81.8633       | Rf<br>Mt | 15/06/2004<br>15/06/2004 |
| 45.   | Pratapgarh                    | Uttar Pradesh | Pratapgarh | HO             | Sai             | 25.9341      | 82            | Rf<br>Mt | 15/06/1985<br>15/06/1985 |
| 46.   | Narayanpur                    | Uttar Pradesh | Mirzapur   | HO             | Ganga           | 23.8822      | 87.9422       | Rf       | 07-02-2020               |

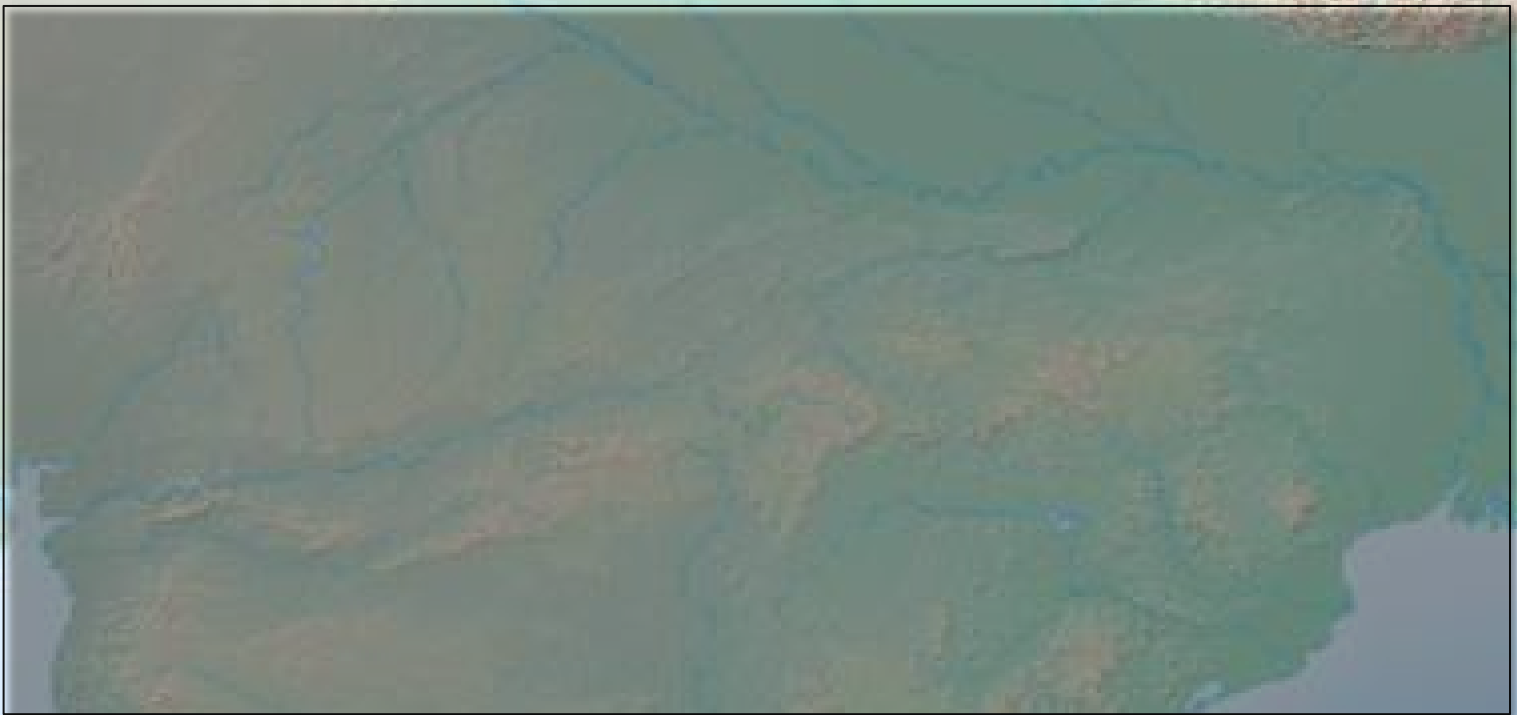
| Sl.No | Site       | State         | District              | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------|---------------|-----------------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 47.   | Saidpur    | Uttar Pradesh | Saidpur               | HO             | Ganga           | 25.5339      | 83.2211       | Rf       | 07-02-2020               |
| 48.   | Shahzadpur | Uttar Pradesh | Kaushambi             | HO             | Ganga           | 25.6649      | 81.4186       | Rf<br>Mt | 21/07/1964<br>21/07/1964 |
| 49.   | Sitamarhi  | Uttar Pradesh | Sant Ravidas<br>Nagar | HO             | Ganga           | 25.2686      | 82.2608       | Rf<br>Mt | 06/01/2015<br>06/01/2015 |
| 50.   | Sultanpur  | Uttar Pradesh | Sultanpur             | HO             | Gomti           | 26.2754      | 82.0667       | Rf<br>Mt | 11/07/1970<br>11/07/1970 |
| 51.   | Tendui     | Uttar Pradesh | Varanasi              | HO             | Varuna          | 25.3803      | 82.8286       | Rf       | 07-02-2020               |
| 52.   | Varanasi   | Uttar Pradesh | Varanasi              | HO / FF        | Ganga           | 25.3258      | 83.04         | Rf<br>Mt | 21/05/1964<br>21/05/1964 |

# MAHANADI & EASTERN RIVERS ORGANISATION





**MET PLATFORM AT BARONDA ON RIVER PAIRI**



**MAHANADI DIVISION, BURLA**



**MET PLATFORM AT ANANDPUR ON RIVER BAITARANI**

| Details of the Meteorological Observations on HO/FF Stations |                                                       |
|--------------------------------------------------------------|-------------------------------------------------------|
| Region                                                       | Mahanadi and Eastern Rivers Organisation, Bhubaneswar |
| Circle                                                       | Hydrological Observation Circle, Bhubaneswar          |
| Division                                                     | Eastern Rivers Division, Bhubaneswar                  |
| TOTAL NUMBER OF SITES-57                                     |                                                       |
| Basin: Brahmani & Baitarni Basin                             |                                                       |

| Sl.No | Site                         | State     | District   | HO/FF/<br>HOIW | River Tributary       | Latitude(°N) | Longitude(°E) | Met Para                         | Date of Start                                                                    |
|-------|------------------------------|-----------|------------|----------------|-----------------------|--------------|---------------|----------------------------------|----------------------------------------------------------------------------------|
| 1.    | Tilga                        | Jharkhand | Simdega    | HO             | Brahmani / Sankh      | 22.6233      | 84.4175       | Rf<br>Mt                         | 01/06/1980<br>01/01/1981                                                         |
| 2.    | Akhuapada                    | Odisha    | Bhadrak    | HO/FF          | Baitarani             | 20.9169      | 86.2797       | Rf<br>Mt                         | 01/01/1974<br>01/07/1994                                                         |
| 3.    | Altuma                       | Odisha    | Dhenkanal  | HO             | Brahmani /<br>Ramyala | 20.9308      | 85.5191       | Rf<br>Mt                         | 01/01/1992<br>01/01/1992                                                         |
| 4.    | Anandpur                     | Odisha    | Keonjhar   | HO             | Baitarani             | 21.2111      | 86.1206       | Rf<br>Mt<br>Wv<br>Hu<br>Pe<br>Ss | 01/12/1974<br>01/12/1974<br>01/06/1972<br>01/09/1972<br>01/08/2019<br>01/08/2019 |
| 5.    | Bhadrak                      | Odisha    | Bhadrak    | HO             | Baitarani / Salandi   | 21.0678      | 86.5036       | Rf<br>Mt                         | 01/06/2019<br>15/08/2019                                                         |
| 6.    | Bhejdih                      | Odisha    | Mayurbhanj | HO             | Baitarani / Salandi   | 21.4764      | 86.2865       | Rf<br>Mt                         | 25/07/2019<br>24/07/2019                                                         |
| 7.    | BhubanBajirout<br>Rd. Bridge | Odisha    | Dhenkanal  | HO             | Brahmani              | 20.8559      | 85.8587       | Rf<br>Mt                         | 01/08/2019<br>26/06/2019                                                         |
| 8.    | Bolani                       | Odisha    | Sundargarh | HO             | Brahmani              | 22.1053      | 84.8506       | Rf<br>Mt                         | 01/09/2019<br>04/09/2019                                                         |
| 9.    | Bonaigarh                    | Odisha    | Sundergarh | HO             | Brahmani              | 21.84759     | 84.87571      | Rf<br>Mt                         | 21/09/2019<br>01/08/2019                                                         |
| 10.   | Champua                      | Odisha    | Keonjhar   | HO             | Baitarani             | 22.069       | 85.6706       | Rf<br>Mt                         | 01/10/1982<br>01/06/1986                                                         |

| Sl.No | Site                        | State  | District   | HO/FF/<br>HOIW | River Tributary              | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|-----------------------------|--------|------------|----------------|------------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 11.   | Gohira                      | Odisha | Deogarh    | HO             | Brahmani / Gohira            | 21.4578      | 84.6917       | Rf<br>Mt             | 17/07/2019<br>01/02/2020                             |
| 12.   | Gomlai                      | Odisha | Sundergarh | HO             | Brahmani                     | 21.8344      | 84.9128       | Rf<br>Mt             | 21/05/1975<br>29/08/1977                             |
| 13.   | Indupur                     | Odisha | Kendrapara | HO/FF          | Brahmani                     | 20.6165      | 86.3959       | Mt                   | 03-01-2020                                           |
| 14.   | Jaraikela                   | Odisha | Sundergarh | HO             | Brahmani / Koel              | 22.3262      | 85.0799       | Rf<br>Mt             | 23/07/1971<br>23/07/1971                             |
| 15.   | Jenapur                     | Odisha | Jajpur     | HO             | Brahmani                     | 20.8788      | 86.0145       | Rf<br>Mt<br>Wv<br>Pe | 20/05/1975<br>20/05/1975<br>20/05/1975<br>20/05/1975 |
| 16.   | Kamakhyanagar<br>Rd. Bridge | Odisha | Dhenkanal  | HO             | Brahmani                     | 20.7472      | 85.5556       | Rf<br>Mt             | 05/03/2020<br>18/07/2019                             |
| 17.   | Keonjhar                    | Odisha | Keonjhar   | HO/FF          | Baitarani / Aradei           | 21.6278      | 85.6314       | Rf<br>Mt             | 01/04/1993<br>01/07/2006                             |
| 18.   | Keshdih                     | Odisha | Mayurbhanj | HO             | Baitarani /<br>Gobara Nala   | 21.5408      | 86.2011       | Rf<br>Mt             | 25/07/2019<br>25/07/2019                             |
| 19.   | Panposh                     | Odisha | Sundergarh | HO             | Brahmani                     | 22.2263      | 84.8061       | Rf<br>Mt             | 01/08/2019<br>26/06/2019                             |
| 20.   | Purunagarh                  | Odisha | Deogarh    | HO             | Brahmani /<br>Baliapita Nala | 21.5264      | 84.7125       | Rf<br>Mt             | 04/01/2020<br>04/01/2020                             |
| 21.   | Rengali<br>(Seasonal)       | Odisha | Angul      | HO/FF          | Brahmani                     | 21.2731      | 85.0307       | Rf                   | 01-09-1988                                           |
| 22.   | Swampatna                   | Odisha | Keonjhar   | HO/FF          | Baitarani                    | 21.6167      | 85.9167       | Rf<br>Mt             | 01/01/1972<br>01/06/1974                             |

| Sl.No                                           | Site                   | State          | District      | HO/FF/<br>HOIW | River Tributary            | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------------------------------------------------|------------------------|----------------|---------------|----------------|----------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 23.                                             | Talcher                | Odisha         | Angul         | HO/FF          | Brahmani                   | 20.9189      | 85.2356       | Rf<br>Mt<br>Wv<br>Pe | 01/06/1975<br>01/06/1975<br>01/06/1975<br>01/06/1975 |
| 24.                                             | Telkoi                 | Odisha         | Keonjhar      | HO             | Brahmani / Samakoi         | 21.3568      | 85.4022       | Rf<br>Mt             | 01/06/2020<br>21/09/2019                             |
| <b>Basin: EFR between Mahanadi and Godavari</b> |                        |                |               |                |                            |              |               |                      |                                                      |
| 25.                                             | Anakapalle             | Andhra Pradesh | Visakhapatnam | HO             | Sarada                     | 17.6889      | 82.9963       | Rf<br>Mt             | 01/08/1990<br>01/08/1990                             |
| 26.                                             | Gotta Barrage          | Andhra Pradesh | Srikakulam    | HO/FF          | Vamsadhara                 | 18.68814     | 83.96383      | Rf<br>Mt             | 01/05/1978<br>01/06/1989                             |
| 27.                                             | Jhunjhavati Rd. Bridge | Andhra Pradesh | Vizianagaram  | HO             | Nagavali / Janjhavati      | 18.8611      | 83.4597       | Rf<br>Mt             | 05/07/2019<br>28/09/2020                             |
| 28.                                             | Melliaputti            | Andhra Pradesh | Srikakulam    | HO             | Vamsadhara / Mahendratanya | 18.7752      | 84.1706       | Rf<br>Mt             | 14/03/2019<br>01/06/2019                             |
| 29.                                             | Sankili Road Bridge    | Andhra Pradesh | Srikakulam    | HO             | Nagavali                   | 18.5694      | 83.7375       | Rf<br>Mt             | 21/06/2019<br>18/10/2019                             |
| 30.                                             | Srikakulam             | Andhra Pradesh | Srikakulam    | HO             | Nagavali                   | 18.3133      | 83.8842       | Rf<br>Mt<br>Wv       | 02/08/1990<br>02/08/1990<br>27/06/2001               |
| 31.                                             | Gudari                 | Odisha         | Rayagada      | HO/FF          | Vamsadhara                 | 19.3833      | 83.7922       | Rf<br>Mt             | 02/07/1978<br>01/06/1991                             |
| 32.                                             | Gunupur                | Odisha         | Rayagada      | HO             | Vamsadhara                 | 19.0833      | 83.8056       | Rf<br>Mt<br>Wv       | 20/04/1978<br>01/01/1979<br>09/01/1991               |
| 33.                                             | Jaggaguda              | Odisha         | Rayagada      | HO             | Nagavali                   | 19.1115      | 83.4241       | Rf<br>Mt             | 16/06/2019<br>01/03/2021                             |

| Sl.No                            | Site           | State     | District               | HO/FF/<br>HOIW | River Tributary                | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|----------------------------------|----------------|-----------|------------------------|----------------|--------------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 34.                              | Kashinagar     | Odisha    | Gajapati               | HO             | Vamsadhara                     | 18.8483      | 83.8731       | Rf<br>Mt<br>Wv<br>Pe | 22/02/1978<br>01/01/1979<br>13/10/1972<br>01/09/1972 |
| 35.                              | Kurula         | Odisha    | Ganjam                 | HO             | Rushikulya /<br>Ghodahada      | 19.4542      | 84.7047       | Rf<br>Mt             | 13/03/2019<br>01/01/2020                             |
| 36.                              | Kutragada      | Odisha    | Rayagada               | HO/FF          | Vamsadhara                     | 19.6146      | 83.5504       | Rf<br>Mt             | 08/06/1987<br>01/06/1990                             |
| 37.                              | Madhabarida    | Odisha    | Ganjam                 | HO/FF          | Rushikulya                     | 19.8531      | 84.6264       | Rf<br>Mt             | 02/08/1980<br>02/08/1980                             |
| 38.                              | Mahendragarh   | Odisha    | Gajapati               | HO/FF          | Vamsadhara /<br>Bada Jore      | 19.2233      | 84.2625       | Rf<br>Mt             | 08/02/1980<br>08/02/1980                             |
| 39.                              | Mohana         | Odisha    | Gajapati               | HO/FF          | Vamsadhara /<br>Harabhangi     | 19.4447      | 84.2614       | Rf<br>Mt             | 26/05/1987<br>01/01/1988                             |
| 40.                              | Purushottampur | Odisha    | Ganjam                 | HO             | Rushikulya                     | 19.5167      | 84.8833       | Rf<br>Mt<br>Wv       | 01/01/1990<br>01/01/1990<br>15/01/2001               |
| 41.                              | Sirijholi      | Odisha    | Rayagada               | HO             | Vamsadhara /<br>Sirijholi Nala | 19.0834      | 83.7862       | Rf<br>Mt             | 10/05/2019<br>08/11/2019                             |
| 42.                              | Sorada         | Odisha    | Ganjam                 | HO/FF          | Rushikulya                     | 19.7556      | 84.4431       | Rf<br>Mt             | 31/03/1980<br>01/06/1980                             |
| <b>Basin: Subernarekha Basin</b> |                |           |                        |                |                                |              |               |                      |                                                      |
| 43.                              | Adityapur      | Jharkhand | Saraikala<br>Kharsawan | HO             | Subarnarekha / Kharkai         | 22.7914      | 86.1736       | Rf<br>Mt             | 23/06/1971<br>22/11/1971                             |
| 44.                              | Ghatsila       | Jharkhand | East Singhbhum         | HO             | Subarnarekha                   | 22.5806      | 86.4683       | Rf<br>Mt             | 16/03/1971<br>16/03/1971                             |

| Sl.No | Site                           | State       | District            | HO/FF/<br>HOIW | River Tributary         | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|--------------------------------|-------------|---------------------|----------------|-------------------------|--------------|---------------|----------------|----------------------------------------|
| 45.   | Jamshedpur                     | Jharkhand   | East Singhbhum      | HO             | Subarnarekha            | 22.8156      | 86.2161       | Rf<br>Mt<br>Wv | 24/06/1971<br>01/02/1972<br>27/11/1972 |
| 46.   | Karkari Rd. Bridge             | Jharkhand   | Saraikela Kharsawan | HO             | Subarnarekha / Karkari  | 22.9653      | 85.5389       | Rf<br>Mt       | 28/10/2016<br>28/10/2016               |
| 47.   | Muri                           | Jharkhand   | Ranchi              | HO             | Subarnarekha            | 22.8167      | 86.2131       | Rf<br>Mt       | 20/08/1988<br>01/11/1989               |
| 48.   | Road Bridge D/s of Chandil dam | Jharkhand   | Jamsedhpur          | HO/FF          | Subarnarekha            | 22.97083     | 86.02083      | Rf<br>Mt       | 16/07/2019<br>15/08/2019               |
| 49.   | Balimundali                    | Odisha      | Mayurbhanj          | HO/FF          | Burhabalang / Gangahar  | 21.734       | 86.6332       | Rf<br>Mt       | 14/07/1987<br>08/06/1991               |
| 50.   | Baripada                       | Odisha      | Mayurbhanj          | HO/FF          | Burhabalang             | 21.9311      | 86.7186       | Rf<br>Mt       | 18/09/1974<br>01/10/1981               |
| 51.   | Chandanpur                     | Odisha      | Mayurbhanj          | HO/FF          | Burhabalang / Katranala | 20.8609      | 85.8594       | Rf<br>Mt       | 10/07/1987<br>11/06/1988               |
| 52.   | Jamsholaghat                   | Odisha      | Mayurbhanj          | HO             | Subarnarekha            | 22.2197      | 86.7167       | Rf<br>Mt       | 01/06/1976<br>16/06/2004               |
| 53.   | Jaypur                         | Odisha      | Mayurbhanj          | HO/FF          | Burhabalang / Sone      | 21.6092      | 86.6833       | Rf<br>Mt       | 20/06/1978<br>01/03/1988               |
| 54.   | NH5 Govindpur                  | Odisha      | Balasore            | HO             | Burhabalang             | 21.5478      | 86.9181       | Rf<br>Mt       | 22/06/1978<br>07/03/1992               |
| 55.   | Rajghat                        | Odisha      | Balasore            | HO/FF          | Subarnarekha            | 21.7678      | 87.1642       | Rf<br>Mt       | 01/06/1972<br>01/03/2013               |
| 56.   | Fekoghat                       | West Bengal | Jhargram            | HO             | Subarnarekha / Dulung   | 22.3086      | 86.9164       | Rf<br>Mt       | 01/07/1987<br>18/06/1988               |

| Sl.No | Site           | State       | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|-------------|----------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 57.   | Gopiballabhpur | West Bengal | Jhargram | HO             | Subarnarekha    | 22.2197      | 86.9047       | Rf<br>Mt | 07/08/2014<br>15/09/2014 |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                                       |
|------------------------------------------------------------------------|-------------------------------------------------------|
| Region                                                                 | Mahanadi and Eastern Rivers Organisation, Bhubaneswar |
| Circle                                                                 | Hydrological Observation Circle, Bhubaneswar          |
| Division                                                               | Eastern Rivers Division, Bhubaneswar                  |
| TOTAL NUMBER OF SITES-01                                               |                                                       |
| Basin: Brahmani & Baitarni Basin                                       |                                                       |

| Sl.No | Site        | State  | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-------------|--------|----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.    | Thakurmunda | Odisha | Keonjhar | HO/FF          | Baitarani       | 21.5211      | 86.1606       | Rf       | 07/01/1987    |

| Details of the Meteorological Observations on HO/FF Stations |                                                       |
|--------------------------------------------------------------|-------------------------------------------------------|
| Region                                                       | Mahanadi and Eastern Rivers Organisation, Bhubaneswar |
| Circle                                                       | Hydrological Observation Circle, Bhubaneswar          |
| Division                                                     | Mahanadi Division, Burla                              |
| TOTAL NUMBER OF SITES-55                                     |                                                       |
| Basin: Brahmani-Baitrani Basin                               |                                                       |

| Sl.No                 | Site          | State        | District           | HO/FF/<br>HOIW | River Tributary                 | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-----------------------|---------------|--------------|--------------------|----------------|---------------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.                    | Arapur        | Odisha       | Angul              | HO             | Mahanadi / Sindolijhar          | 20.8092      | 84.6133       | Rf<br>Mt                   | 01/07/2005<br>01/11/2004                                           |
| Basin: Mahanadi Basin |               |              |                    |                |                                 |              |               |                            |                                                                    |
| 2.                    | Andhiyarkhore | Chhattisgarh | Bemetara           | HO             | Mahanadi / Seonath /<br>Hamp    | 21.8345      | 81.5972       | Rf<br>Mt<br>Wv<br>Pe       | 01/06/1980<br>01/06/1978<br>08/06/1984<br>01/08/1989               |
| 3.                    | Bamnidhi      | Chhattisgarh | Janjgir-<br>Champa | HO             | Mahanadi / Hasdeo               | 21.9         | 82.701        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1980<br>01/06/1971<br>01/08/1975<br>01/07/2000<br>01/10/2008 |
| 4.                    | Bangodam      | Chhattisgarh | Korba              | HO/FF          | Mahanadi / Hasdeo               | 22.6         | 82.56         | Rf<br>Mt                   | 01/06/1984<br>01/11/1987                                           |
| 5.                    | Baronda       | Chhattisgarh | Gariyaband         | HO             | Mahanadi / Pairi                | 20.9104      | 81.8871       | Rf<br>Mt<br>Wv<br>Pe       | 01/06/1980<br>01/06/1978<br>19/10/2012<br>02/08/1988               |
| 6.                    | Basantpur     | Chhattisgarh | Janjgir-<br>Champa | HO             | Mahanadi                        | 21.7267      | 82.7881       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1980<br>01/06/1975<br>01/07/1975<br>01/08/2008<br>01/02/1988 |
| 7.                    | Dharamjaigarh | Chhattisgarh | Raigarh            | HO/FF          | Mahanadi / Mand                 | 22.4778      | 83.214        | Rf<br>Mt                   | 06/07/1987<br>01/11/1990                                           |
| 8.                    | Ghatora       | Chhattisgarh | Bilaspur           | HO             | Mahanadi / Seonath /<br>Arpa    | 22.0486      | 82.222        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1980<br>01/08/1979<br>21/01/1981<br>01/10/2003<br>08/03/2011 |
| 9.                    | Gunderdehi    | Chhattisgarh | Balod              | HO             | Mahanadi / Seonath /<br>Tandula | 20.9538      | 81.2786       | Rf<br>Mt                   | 01/06/2013<br>01/06/2013                                           |

| Sl.No | Site                   | State        | District           | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|------------------------|--------------|--------------------|----------------|----------------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 10.   | Jondhra                | Chhattisgarh | Bilaspur           | HO             | Mahanadi / Seonath               | 21.7158      | 82.3472       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/08/1980<br>27/07/1979<br>01/09/1984<br>01/06/2011<br>03/10/2008 |
| 11.   | Kalma                  | Chhattisgarh | Janjgir-<br>Champa | HO             | Mahanadi                         | 21.6903      | 83.2799       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 17/10/2016<br>01/03/2017<br>01/12/2017<br>01/03/2017<br>01/07/2017 |
| 12.   | Katghora               | Chhattisgarh | Korba              | HO             | Mahanadi / Hasdeo /<br>Ahiran    | 22.483       | 82.566        | Rf<br>Mt                   | 31/03/2015<br>31/03/2015                                           |
| 13.   | Kelo at Raigarh        | Chhattisgarh | Raigarh            | HO/FF          | Mahanadi / Kelo                  | 21.89        | 83.4          | Rf<br>Mt<br>Wv<br>Hu       | 03/04/2001<br>03/04/2001<br>03/04/2001<br>03/04/2001               |
| 14.   | Korba                  | Chhattisgarh | Korba              | HO/FF          | Mahanadi / Hasdeo                | 22.3583      | 82.7027       | Rf<br>Mt                   | 01/06/1994<br>01/12/1995                                           |
| 15.   | Kotni                  | Chhattisgarh | Durg               | HO             | Mahanadi / Seonath               | 21.2209      | 81.2401       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1980<br>01/01/1978<br>30/12/1982<br>26/10/1988<br>05/08/2013 |
| 16.   | Kurubhata              | Chhattisgarh | Raigarh            | HO             | Mahanadi / Mand                  | 21.9818      | 83.2114       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/01/1982<br>14/08/1978<br>01/06/2008<br>01/06/2008<br>01/06/2008 |
| 17.   | Malegaon               | Chhattisgarh | Gariyaband         | HO             | Mahanadi / Pairi                 | 20.6576      | 82.0386       | Rf<br>Mt                   | 31/10/2016<br>31/10/2016                                           |
| 18.   | Manendragarh           | Chhattisgarh | Koriya             | HO             | Mahanadi / Hasdeo                | 23.2036      | 82.2172       | Rf<br>Mt                   | 16/05/1987<br>14/05/1987                                           |
| 19.   | Maniyari Rd.<br>Bridge | Chhattisgarh | Mungeli            | HO             | Mahanadi / Seonath /<br>Maniyari | 21.9167      | 82.0027       | Rf<br>Mt                   | 31/03/2015<br>31/03/2015                                           |
| 20.   | Patharidih             | Chhattisgarh | Raipur             | HO             | Mahanadi / Seonath /<br>Kharun   | 21.3418      | 81.5928       | Rf<br>Mt<br>Wv<br>Pe       | 23/06/1989<br>01/06-1989<br>11/01/1994<br>16/04/2007               |
| 21.   | Rajim                  | Chhattisgarh | Gariyaband         | HO             | Mahanadi                         | 20.9736      | 81.8783       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/01/1980<br>01/05/1971<br>24/09/1974<br>01/08/1974<br>01/06/2008 |

| Sl.No | Site          | State        | District           | HO/FF/<br>HOIW | River Tributary           | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|---------------|--------------|--------------------|----------------|---------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 22.   | Rampur        | Chhattisgarh | Baloda Bazar       | HO             | Mahanadi / Jonk           | 31.4431      | 77.6279       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/07/1980<br>01/05/1971<br>01/07/1975<br>11/11/1988<br>06/07/2013 |
| 23.   | Sankara       | Chhattisgarh | Mahasamud          | HO/FF          | Mahanadi / Jonk           | 21.2889      | 82.6514       | Rf<br>Mt                   | 01/06/1987<br>01/11/1988                                           |
| 24.   | Sarangpal     | Chhattisgarh | Kanker             | HO             | Mahanadi                  | 20.3134      | 81.5322       | Rf<br>Mt                   | 31/03/2015<br>31/03/2015                                           |
| 25.   | Seorinarayan  | Chhattisgarh | Janjgir-<br>Champa | HO             | Mahanadi                  | 21.7167      | 82.5967       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/01/1985<br>01/08/1986<br>05/07/1999<br>01/04/1999<br>01/06/2008 |
| 26.   | Simga         | Chhattisgarh | Baloda Bazar       | HO             | Mahanadi / Seonath        | 21.6327      | 81.6846       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 05/06/1980<br>01/08/1972<br>07/07/1984<br>01/06/1987<br>05/07/2014 |
| 27.   | Surajgarh     | Chhattisgarh | Raigarh            | HO/FF          | Mahanadi                  | 21.6925      | 83.3759       | Rf<br>Mt                   | 01/07/1989<br>01/04/2017                                           |
| 28.   | Thettatanagar | Chhattisgarh | Jashpur            | HO/FF          | Mahanadi / Ib             | 22.6483      | 83.9328       | Rf<br>Mt                   | 28/05/1987<br>01/01/2000                                           |
| 29.   | Alipingal     | Odisha       | Jagatsinghpur      | HO/FF          | Mahanadi / Devi           | 20.1667      | 86.1667       | Rf<br>Mt<br>Wv<br>Hu       | 09/05/1988<br>03/11/2004<br>04/11/2004<br>01/06/2018               |
| 30.   | Balakati      | Odisha       | Khurda             | HO             | Mahanadi / Bhargavi       | 20.2025      | 85.865        | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 31.   | Balanga       | Odisha       | Puri               | HO             | Mahanadi / Bhargavi       | 20.0389      | 85.8792       | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 32    | Bhingarpur    | Odisha       | Khurda             | HO             | Kushabhadra /<br>Mahanadi | 20.2633      | 85.9331       | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 33    | Boudh         | Odisha       | Boudh              | HO             | Mahanadi                  | 20.8646      | 84.3154       | Rf<br>Mt<br>Hu<br>Pe       | 22/06/2016<br>03/05/2017<br>03/05/2017<br>01/08/2016               |

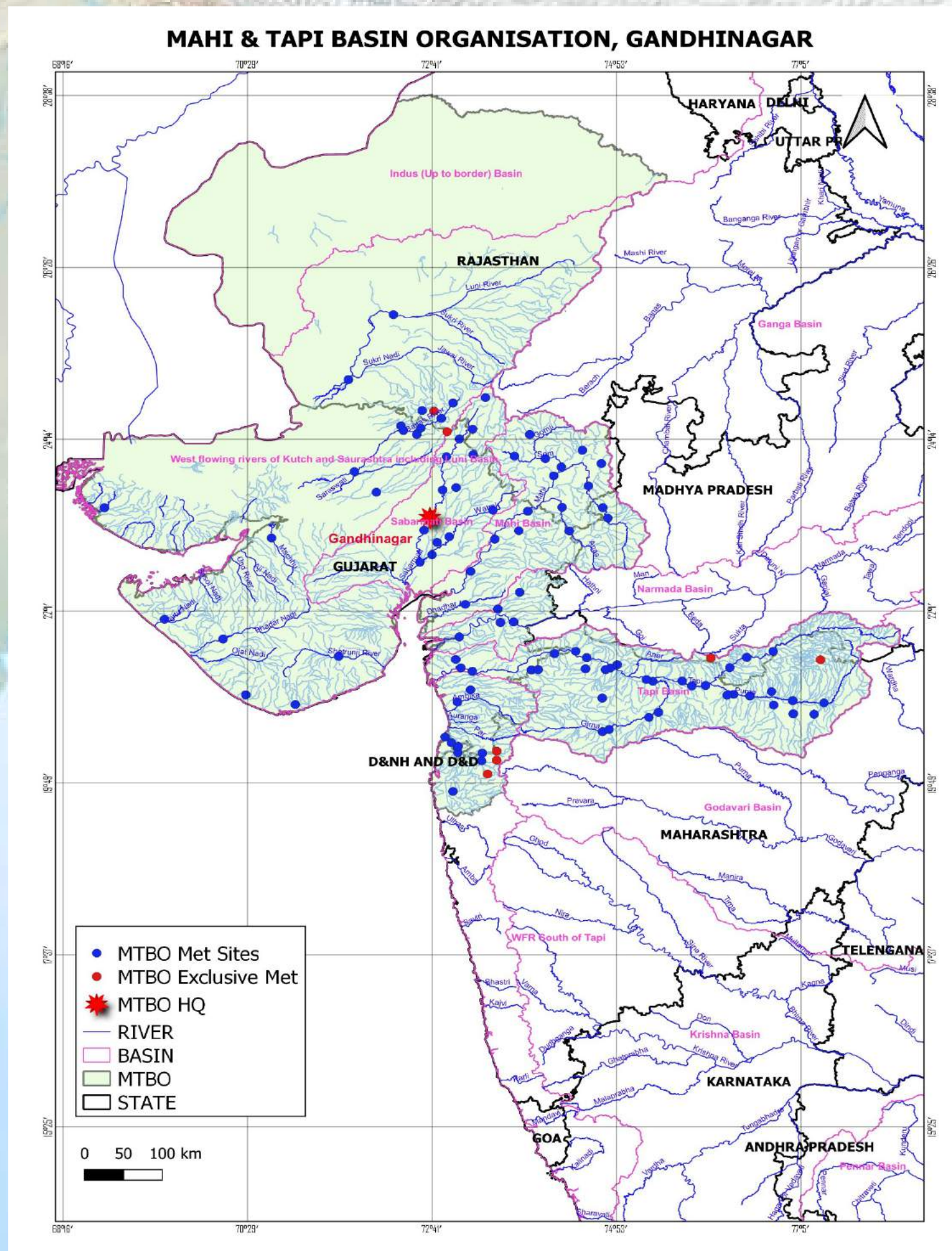
| Sl.No | Site                 | State  | District   | HO/FF/<br>HOIW | River Tributary     | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|----------------------|--------|------------|----------------|---------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 34    | Daya Road Bridge     | Odisha | Khurda     | HO             | Mahanadi / Daya     | 20.21        | 85.8519       | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 35    | Deogaon              | Odisha | Sambalpur  | HO/FF          | Mahanadi            | 21.2223      | 83.9087       | Rf<br>Mt                   | 01/07/2004<br>01/01/2006                                           |
| 36    | Jamadarpali          | Odisha | Sambalpur  | HO/FF          | Mahanadi            | 21.5676      | 83.9817       | Rf<br>Mt<br>Hu             | 17/06/1995<br>01/11/2016<br>01/11/2016                             |
| 37    | Kanas (Seasonal)     | Odisha | Puri       | HO/FF          | Mahanadi / Daya     | 20.0022      | 85.6436       | Rf                         | 06-01-2004                                                         |
| 38    | Kantamal             | Odisha | Boudh      | HO             | Mahanadi / Tel      | 20.6561      | 83.7263       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1987<br>01/11/1975<br>05/06/1981<br>01/07/2008<br>01/11/2008 |
| 39    | Kathjodi Road Bridge | Odisha | Cuttack    | HO             | Mahanadi / Kathjodi | 20.4369      | 85.8881       | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 40    | Kesinga              | Odisha | Kalahandi  | HO             | Mahanadi / Tel      | 20.2019      | 83.2183       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 25/06/1980<br>01/04/1975<br>01/12/1990<br>01/12/1990<br>01/12/1990 |
| 41    | Khairmal             | Odisha | Boudh      | HO/FF          | Mahanadi            | 20.8414      | 83.9442       | Rf<br>Mt<br>Wv<br>Hu       | 20/06/1985<br>01/02/1989<br>01/02/1989<br>01/02/1989               |
| 42    | Khandapara           | Odisha | Nayagarh   | HO/FF          | Mahanadi / Kusumi   | 20.2558      | 85.1867       | Rf<br>Mt                   | 01/05/2005<br>01/11/2004                                           |
| 43    | Kishan Nagar         | Odisha | Cuttack    | HO             | Mahanadi            | 20.4261      | 86.0886       | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 44    | Mahulpali            | Odisha | Sambalpur  | HO/FF          | Mahanadi / Bheden   | 21.8663      | 84.4138       | Rf<br>Mt<br>Wv<br>Hu       | 01/06/2003<br>01/07/2005<br>01/07/2005<br>01/07/2005               |
| 45    | Marshaghai           | Odisha | Kendrapara | HO/FF          | Mahanadi / Luna     | 20.4103      | 86.4931       | Rf                         | 20/08/2014                                                         |

| Sl.No | Site                  | State  | District      | HO/FF/<br>HOIW | River Tributary           | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|-----------------------|--------|---------------|----------------|---------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 46    | Naraj                 | Odisha | Cuttack       | HO/FF          | Mahanadi                  | 20.475       | 85.775        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/01/1972<br>01/09/1974<br>25/09/1990<br>08/10/1980<br>08/10/1980 |
| 47    | Nimapara              | Odisha | Puri          | HO/FF          | Mahanadi /<br>Kushabhadra | 20.06        | 86.0064       | Rf<br>Mt<br>Wv<br>Hu       | 01/01/1973<br>01/07/2006<br>01/06/2017<br>01/06/2017               |
| 48    | Padampur              | Odisha | Bargarh       | HO             | Mahanadi / Ong            | 21.0158      | 83.1043       | Rf<br>Mt<br>Hu<br>Pe       | 31/03/2015<br>31/03/2015<br>31/03/2015<br>31/03/2015               |
| 49    | Padmabati             | Odisha | Nayagarh      | HO/FF          | Mahanadi                  | 20.3433      | 85.3111       | Rf<br>Mt                   | 01/05/2006<br>01/11/2004                                           |
| 50    | Paramanpur            | Odisha | Jharsuguda    | HO/FF          | Mahanadi / Bheden         | 21.7885      | 84.1065       | Rf<br>Mt<br>Hu<br>Pe       | 15/06/1989<br>01/01/2006<br>01/01/2006<br>01/01/2006               |
| 31.   | Pubansa<br>(Seasonal) | Odisha | Kendrapara    | HO/FF          | Mahanadi / Luna           | 20.4636      | 86.2975       | Rf                         | 06-02-2008                                                         |
| 32.   | Salebhata             | Odisha | Balangir      | HO             | Mahanadi / Ong            | 20.9831      | 83.5376       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/01/1981<br>11/02-1973<br>01/06/1980<br>01/07/2013<br>01/12/2008 |
| 33.   | Sundergarh            | Odisha | Sundergarh    | HO             | Mahanadi / Ib             | 22.1142      | 84.0088       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 11/08/1980<br>01/01/1988<br>01/01/2010<br>01/06/2008<br>01/06/2008 |
| 34.   | Tarapur               | Odisha | Jagatsinghpur | HO             | Mahanadi                  | 20.3172      | 86.3753       | Rf<br>Mt                   | 15/07/2014<br>15/07/2014                                           |
| 35.   | Tikarapara            | Odisha | Angul         | HO             | Mahanadi                  | 20.5894      | 84.7833       | Rf<br>Mt<br>Wv<br>Pe       | 01/10/1977<br>01/06/1985<br>01/08/1980<br>01/10/1977               |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                                       |
|------------------------------------------------------------------------|-------------------------------------------------------|
| Region                                                                 | Mahanadi and Eastern Rivers Organisation, Bhubaneswar |
| Circle                                                                 | Hydrological Observation Circle, Bhubaneswar          |
| Division                                                               | Mahanadi Division, Burla                              |
| TOTAL NUMBER OF SITES-06                                               |                                                       |
| Basin: Mahanadi                                                        |                                                       |

| Sl.No | Site        | State        | District                        | HO/FF/<br>HOIW | River Tributary             | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start            |
|-------|-------------|--------------|---------------------------------|----------------|-----------------------------|--------------|---------------|----------------------|--------------------------|
| 1.    | Baikunthpur | Chhattisgarh | Koriya                          | Met & FF       | Mahanadi-Hasdeo             | 23.2506      | 82.5560       | Rf                   | 07/04/1985               |
| 2.    | Burla       | Odisha       | Sambalpur                       | Met & FF       | Mahanadi                    | 21.5065      | 83.8827       | Rf<br>Mt<br>Pe<br>Hu | 01.06.2007               |
| 3.    | Gopalpur    | Odisha       | Sundergarh                      | Met & FF       | Mahanadi<br>/Ib/Basundhara  | 22.0532      | 83.7035       | Rf<br>Mt             | 01/06/2003<br>01/01/2017 |
| 4.    | Pendra road | Chhattisgarh | Gaurella-<br>Pendra-<br>Marwahi | Met & FF       | Mahanadi/<br>Seonath/Arpa   | 22.7500      | 82.9010       | Rf                   | 04/07/1984               |
| 5.    | Phulbani    | Odisha       | Kandhamal                       | Met & FF       | Mahanadi                    | 20.4716      | 84.2490       | Rf<br>Mt             | 14/09/1985<br>01/10/2017 |
| 6.    | Raipur      | Chhattisgarh | Raipur                          | Met & FF       | Mahanadi/Seonath/<br>Kharun | 21.2617      | 81.6058       | Rf                   | 20/07/1984               |

# MAHI AND TAPI BASIN ORGANISATION





**KHEDA (GD), GUJARAT AT RIVER VATRAK**



**SABARMATI SUB-DIVISION, AHMEDABAD**



**NORTH WESTERN RIVER SUB DIVISION, HIMMATNAGAR**

| Details of the Meteorological Observations on HO/FF Stations |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| Region                                                       | Mahi & Tapi Basin Organisation, Gandhinagar                 |
| Circle                                                       | Hydrological Observation & Coordination Circle, Gandhinagar |
| Division                                                     | Mahi Division, Gandhinagar                                  |
| TOTAL NUMBER OF SITES-47                                     |                                                             |
| Basin: Mahi Basin                                            |                                                             |

| Sl.No | Site       | State          | District   | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para                    | Date of Start                                                      |
|-------|------------|----------------|------------|----------------|-----------------|--------------|---------------|-----------------------------|--------------------------------------------------------------------|
| 1.    | Chakaliya  | Gujarat        | Dahod      | HO             | Anas            | 23.0519      | 74.3197       | Rf<br>Mt<br>Wv<br>Hu        | 07/01/1991<br>07/01/1991<br>07/01/1991<br>07/01/1991               |
| 2.    | Kadana Dam | Gujarat        | Mahisagar  | HO/FF          | Mahi            | 23.3053      | 73.8247       | Rf                          | 10-06-1978                                                         |
| 3.    | Khanpur    | Gujarat        | Anand      | HO             | Mahi            | 22.5339      | 73.1397       | Rf<br>Mt<br>Wv<br>Hu<br>FCS | 06/01/1988<br>06/01/1988<br>06/01/1988<br>06/01/1988<br>06/01/1988 |
| 4.    | Panam Dam  | Gujarat        | Panchmahal | HO/FF          | Panam           | 23.0542      | 73.7167       | Rf                          | 20/06/1980                                                         |
| 5.    | Wanakbori  | Gujarat        | Mahisagar  | HO/FF          | Mahi            | 22.9475      | 73.4294       | Rf                          | 25/06/1979                                                         |
| 6.    | Borwa      | Madhya Pradesh | Ratlam     | HO/FF          | Mahi            | 23.2161      | 74.78         | Rf                          | 12-08-2015                                                         |
| 7.    | Mataji     | Madhya Pradesh | Ratlam     | HO             | Mahi            | 23.3497      | 74.7183       | Rf<br>Mt<br>Wv<br>Hu        | 06/01/1989<br>06/01/1989<br>06/01/1989<br>06/01/1989               |
| 8.    | Amarpura   | Rajasthan      | Udaipur    | HO/FF          | Tidi            | 24.2872      | 73.8464       | Rf                          | 16/03/2016                                                         |
| 9.    | Anas PH-II | Rajasthan      | Banswara   | HO/FF          | Anas            | 23.3539      | 74.2339       | Rf                          | 01-06-1991                                                         |
| 10.   | Dhariawad  | Rajasthan      | Pratapgarh | HO/FF          | Jakham          | 24.0864      | 74.4756       | Rf<br>Mt<br>Wv<br>Hu        | 06/01/1989<br>06/01/1989<br>06/01/1989<br>06/01/1989               |

| Sl.No                         | Site              | State     | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------------------------------|-------------------|-----------|-------------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 11.                           | Khandiovari       | Rajasthan | Udaipur     | HO/FF          | Som             | 24.0108      | 73.6636       | Rf<br>Mt<br>Wv<br>Hu | 03/06/2016<br>03/06/2016<br>03/06/2016<br>03/06/2016 |
| 12.                           | Mahi Dam          | Rajasthan | Banswara    | HO/FF          | Mahi            | 23.6286      | 74.5472       | Rf                   | 13/06/1982                                           |
| 13.                           | Paderdibadi       | Rajasthan | Dungarpur   | HO/FF          | Mahi            | 23.7589      | 74.1339       | Rf<br>Mt<br>Wv<br>Hu | 08/01/1985<br>08/01/1985<br>08/01/1985<br>08/01/1985 |
| 14.                           | Rangeli           | Rajasthan | Dungarpur   | HO             | Som             | 23.8722      | 74.2242       | Rf<br>Mt<br>Wv<br>Hu | 15/07/1999<br>15/07/1999<br>15/07/1999<br>15/07/1999 |
| 15.                           | Sohagpura         | Rajasthan | Pratapgarh  | HO/FF          | Earu            | 23.9153      | 74.7022       | Rf<br>Mt<br>Wv<br>Hu | 08/06/2015<br>08/06/2015<br>08/06/2015<br>08/06/2015 |
| 16.                           | Somkamla Amba Dam | Rajasthan | Dungarpur   | HO/FF          | Som             | 23.9783      | 74.0325       | Rf                   | 06-01-1995                                           |
| 17.                           | Sei Dam           | Rajasthan | Udaipur     | HO/FF          | Sei             | 24.7608      | 73.318        | Rf                   | 23/03/1979                                           |
| <b>Basin: Sabarmati Basin</b> |                   |           |             |                |                 |              |               |                      |                                                      |
| 18.                           | Derol Bridge      | Gujarat   | Sabarkantha | HO/FF          | Sabarmati       | 23.5767      | 72.8064       | Rf<br>Mt<br>Wv<br>Hu | 09/04/1993<br>09/04/1993<br>09/04/1993<br>09/04/1993 |
| 19.                           | Dharoi Dam        | Gujarat   | Mehsana     | HO/FF          | Sabarmati       | 24.0047      | 72.8542       | Rf                   | 01-01-1989                                           |
| 20.                           | Harnav Weir       | Gujarat   | Sabarkantha | HO/FF          | Harnav          | 24.0308      | 73.1722       | Rf                   | 09-02-1985                                           |
| 21.                           | Hathmati Weir     | Gujarat   | Sabarkantha | HO/FF          | Hathmati        | 23.6075      | 72.9675       | Rf                   | 06-02-1985                                           |

| Sl.No                                             | Site                   | State   | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|---------------------------------------------------|------------------------|---------|-------------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 22.                                               | Jotasan                | Gujarat | Sabarkantha | HO/FF          | Wakal           | 24.3561      | 73.1656       | Rf<br>Mt<br>Wv<br>Hu | 15/06/1988<br>15/06/1988<br>15/06/1988<br>15/06/1988 |
| 23.                                               | Kheda                  | Gujarat | Kheda       | HO/FF          | Watrak          | 22.7464      | 72.6803       | Rf<br>Mt<br>Wv<br>Hu | 07/01/1988<br>07/01/1988<br>07/01/1988<br>07/01/1988 |
| 24.                                               | Kheroj                 | Gujarat | Sabarkantha | HO/FF          | Sabarmati       | 24.2311      | 73.0083       | Rf<br>Mt<br>Wv<br>Hu | 20/05/1987<br>20/05/1987<br>20/05/1987<br>20/05/1987 |
| 25.                                               | Raska Weir             | Gujarat | Kheda       | HO/FF          | Meshwo          | 22.9044      | 72.7414       | Rf                   | 05-11-1985                                           |
| 26.                                               | Ratanpur               | Gujarat | Kheda       | HO/FF          | Watrak          | 22.9772      | 72.8844       | Rf<br>Mt<br>Wv<br>Hu | 08/01/1985<br>08/01/1985<br>08/01/1985<br>08/01/1985 |
| 27.                                               | Subhash Bridge         | Gujarat | Ahemdabad   | HO/FF          | Sabarmati       | 23.0614      | 72.5856       | Rf                   | 01-04-1980                                           |
| 28.                                               | Vautha                 | Gujarat | Kheda       | HO             | Sabarmati       | 22.6503      | 72.535        | Rf<br>Mt<br>Wv<br>Hu | 24/06/2000<br>24/06/2000<br>24/06/2000<br>24/06/2000 |
| 29.                                               | Watrak Dam             | Gujarat | Sabarkantha | HO/FF          | Watrak          | 23.3183      | 73.4061       | Rf                   | 04-07-1985                                           |
| Basin: WFR of Kutch and Saurashtra including Luni |                        |         |             |                |                 |              |               |                      |                                                      |
| 30.                                               | Bhakudar<br>(Sipu dam) | Gujarat | Banaskantha | HO/FF          | Sipu            | 24.4003      | 72.3094       | Rf                   | 01-07-1985                                           |
| 31.                                               | Chhasara<br>(Wadsar)   | Gujarat | Kachchh     | HO             | Mitti           | 23.3492      | 68.7686       | Rf<br>Mt<br>Wv<br>Hu | 06/08/2018<br>06/08/2018<br>06/08/2018<br>06/08/2018 |
| 32.                                               | Chitrasani             | Gujarat | Banaskantha | HO/FF          | Balaram         | 24.2881      | 72.4986       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1980<br>06/01/1980<br>06/01/1980<br>06/01/1980 |

| Sl.No | Site          | State     | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|---------------|-----------|-------------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 33.   | Dantiwada Dam | Gujarat   | Banaskantha | HO/FF          | Banas           | 24.3381      | 72.3392       | Rf                   | 07/05/1978                                           |
| 34.   | Ganod         | Gujarat   | Rajkot      | HO             | Bhadar          | 21.6667      | 70.185        | Rf<br>Mt<br>Wv<br>Hu | 06/01/1981<br>06/01/1981<br>06/01/1981<br>06/01/1981 |
| 35.   | Gungan        | Gujarat   | Morbi       | HO             | Machchu         | 22.9617      | 70.7644       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1988<br>06/01/1988<br>06/01/1988<br>06/01/1988 |
| 36.   | Jamrawal      | Gujarat   | Dwaraka     | HO             | Vartu           | 21.9197      | 69.4853       | Rf<br>Mt<br>Wv<br>Hu | 06/11/2018<br>06/11/2018<br>06/11/2018<br>06/11/2018 |
| 37.   | Kamalpur      | Gujarat   | Patan       | HO             | Banas           | 23.813       | 71.7533       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1981<br>06/01/1981<br>06/01/1981<br>06/01/1981 |
| 38.   | Lowara        | Gujarat   | Bhavnagar   | HO             | Shetrunji       | 21.4458      | 71.5653       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1989<br>06/01/1989<br>06/01/1989<br>06/01/1989 |
| 39.   | Sapawada      | Gujarat   | Mehsana     | HO             | Rupen           | 23.5475      | 72.0153       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1991<br>06/01/1991<br>06/01/1991<br>06/01/1991 |
| 40.   | Sarotry       | Gujarat   | Banaskantha | HO/FF          | Banas           | 24.3689      | 72.5456       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1980<br>06/01/1980<br>06/01/1980<br>06/01/1980 |
| 41.   | Savni         | Gujarat   | Gir Somnath | HO             | Hiren           | 20.9503      | 70.4569       | Rf<br>Mt<br>Wv<br>Hu | 06/01/2018<br>06/01/2018<br>06/01/2018<br>06/01/2018 |
| 42.   | Una           | Gujarat   | Gir Somnath | HO             | Machundri       | 20.8269      | 71.0475       | Rf<br>Mt<br>Wv<br>Hu | 23/10/2019<br>23/10/2019<br>23/10/2019<br>23/10/2019 |
| 43.   | Abu Road      | Rajasthan | Sirohi      | HO/FF          | Banas           | 24.4936      | 72.7906       | Rf<br>Mt<br>Wv<br>Hu | 06/01/1980<br>06/01/1980<br>06/01/1980<br>06/01/1980 |
| 44.   | Balotra       | Rajasthan | Barmer      | HO             | Luni            | 25.8242      | 72.2194       | Rf<br>Mt<br>Wv<br>Hu | 07/01/1990<br>07/01/1990<br>07/01/1990<br>07/01/1990 |

| Sl.No | Site         | State     | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-------|--------------|-----------|----------|----------------|-----------------|--------------|---------------|----------------------|------------------------------------------------------|
| 45.   | Gandhav      | Rajasthan | Barmer   | HO             | Luni            | 24.9908      | 71.6811       | Rf<br>Mt<br>Wv<br>Hu | 24/06/1974<br>24/06/1974<br>24/06/1974<br>24/06/1974 |
| 46.   | Karoti       | Rajasthan | Sirohi   | HO/FF          | Sipu            | 24.5939      | 72.5625       | Rf<br>Mt<br>Wv<br>Hu | 27/06/2018<br>27/06/2018<br>27/06/2018<br>27/06/2018 |
| 47.   | Swaroopaganj | Rajasthan | Sirohi   | HO/FF          | Banas           | 24.6914      | 72.9319       | Rf                   | 08-07-1989                                           |

| Details of the Exclusive Meteorological Observation Stations |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| Region                                                       | Mahi & Tapi Basin Organisation, Gandhinagar                 |
| Circle                                                       | Hydrological Observation & Coordination Circle, Gandhinagar |
| Division                                                     | Mahi Division, Gandhinagar                                  |
| TOTAL NUMBER OF SITES-02                                     |                                                             |
| Basin: Mahi Basin                                            |                                                             |

| Sl.No | Site     | State     | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|----------|-----------|-------------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.    | MountAbu | Rajasthan | Sirohi      | Met & FF       | Banas           | 24.5869      | 72.7036       | Rf       | 01-06-1996    |
| 2.    | Ambaji   | Gujarat   | Banaskantha | Met & FF       | Banas           | 24.3239      | 72.8611       | Rf       | 01-06-1997    |

| Details of the Meteorological Observations on HO/FF Stations |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| Region                                                       | Mahi & Tapi Basin Organisation, Gandhinagar                 |
| Circle                                                       | Hydrological Observation & Coordination Circle, Gandhinagar |
| Division                                                     | Tapi Division, Surat                                        |
| TOTAL NUMBER OF SITES-50                                     |                                                             |
| Basin: Mahi Basin                                            |                                                             |

| Sl.No             | Site               | State   | District       | HO/FF/<br>HOIW | River Tributary                | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------------------|--------------------|---------|----------------|----------------|--------------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.                | Bharuch            | Gujarat | Bharuch        | HO/FF          | Narmada                        | 21.6928      | 73.0056       | Rf                         | 21/01/1992                                                         |
| 2.                | Bodeli             | Gujarat | Chhota Udaipur | HO/FF          | Orsang                         | 22.265       | 73.7272       | Rf                         | 15/06/1984                                                         |
| 3.                | Chanwada           | Gujarat | Vadodara       | HO             | Orsang                         | 22.05        | 73.4661       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 10/01/1981<br>10/01/1981<br>10/01/1981<br>10/01/1981<br>10/01/1981 |
| 4.                | Garudeshwar        | Gujarat | Narmada        | HO             | Narmada                        | 21.885       | 73.6544       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 06/01/1977<br>06/01/1977<br>06/01/1977<br>06/01/1977<br>06/01/1977 |
| 5.                | Rajpipla           | Gujarat | Narmada        | HO/FF          | Karjan / Narmada               | 21.8778      | 73.4967       | Rf                         | 20/06/2001                                                         |
| 6.                | Pingalwada         | Gujarat | Vadodara       | HO             | Dhadhar<br>(Independent River) | 22.1108      | 73.0786       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 14/01/1994<br>14/01/1994<br>14/01/1994<br>14/01/1994<br>14/01/1994 |
| Basin: Tapi Basin |                    |         |                |                |                                |              |               |                            |                                                                    |
| 7.                | Chandapur (Uchhal) | Gujarat | Tapi           | HO             | Nesu                           | 21.2706      | 73.8672       | Rf                         | 01-06-2019                                                         |
| 8.                | Gavachi (Ver)      | Gujarat | Tapi           | HO             | Ver                            | 21.2536      | 73.1619       | Rf                         | 01-06-2019                                                         |
| 9.                | Ghala              | Gujarat | Surat          | HO             | Tapi                           | 21.2972      | 73.0253       | Rf<br>Mt<br>Wv<br>Hu       | 08/01/1983<br>08/01/1983<br>08/01/1983<br>08/01/1983               |
| 10.               | Kathore            | Gujarat | Surat          | HO/FF          | Tapi                           | 21.275       | 73.9486       | Rf                         | 01-06-2019                                                         |

| Sl.No | Site          | State          | District  | HO/FF/<br>HOIW | River Tributary      | Latitude(°N) | Longitude(°E) | Met Para                         | Date of Start                                                                    |
|-------|---------------|----------------|-----------|----------------|----------------------|--------------|---------------|----------------------------------|----------------------------------------------------------------------------------|
| 11.   | Motinaroli    | Gujarat        | Surat     | HO             | Kim (Indepent River) | 21.4044      | 72.9633       | Rf<br>Mt<br>Wv<br>Hu             | 06/01/1992<br>06/01/1992<br>06/01/1992<br>06/01/1992                             |
| 12.   | Velda (Nizar) | Gujarat        | Tapi      | HO             | Shevali              | 21.4794      | 74.1436       | Rf                               | 01-06-2019                                                                       |
| 13.   | Burhanpur     | Madhya Pradesh | Burhanpur | HO             | Tapi                 | 21.2994      | 76.235        | Rf<br>Mt<br>Wv<br>Hu<br>Pe       | 08/01/1970<br>08/01/1970<br>08/01/1970<br>08/01/1970<br>08/01/1970               |
| 14.   | Dedtalai      | Madhya Pradesh | Burhanpur | HO             | Tapi                 | 21.5083      | 76.7519       | Rf<br>Mt<br>Wv<br>Hu<br>Pe       | 08/01/1984<br>08/01/1984<br>08/01/1984<br>08/01/1984<br>08/01/1984               |
| 15.   | Nawtha        | Madhya Pradesh | Burhanpur | HO             | Tapi                 | 21.4325      | 76.4378       | Rf                               | 01-06-2019                                                                       |
| 16.   | Akola         | Maharashtra    | Akola     | HO             | Morna                | 20.7081      | 76.9931       | Rf                               | 27/06/2018                                                                       |
| 17.   | Bambrul       | Maharashtra    | Jalgaon   | HO             | Titur                | 20.6625      | 75.2702       | Rf                               | 01-12-2018                                                                       |
| 18.   | Bhusawal      | Maharashtra    | Jalgaon   | HO/FF          | Tapi                 | 21.0667      | 75.7831       | Rf<br>Mt<br>Wv<br>Hu<br>Pe       | 03/01/1970<br>03/01/1970<br>03/01/1970<br>03/01/1970<br>03/01/1970               |
| 19.   | Dambarkheda   | Maharashtra    | Nandurbar | HO             | Gomai                | 21.5097      | 74.397        | Rf                               | 23/06/2015                                                                       |
| 20.   | Dhupeshwar    | Maharashtra    | Buldhana  | HO             | Purna                | 20.9572      | 76.2803       | Rf                               | 20/09/2019                                                                       |
| 21.   | Duskheda      | Maharashtra    | Jalgaon   | HO             | Bahula               | 20.7266      | 75.3838       | Rf                               | 01-06-2019                                                                       |
| 22.   | Gidhade       | Maharashtra    | Dhule     | HO/FF          | Tapi                 | 21.2947      | 74.8092       | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe | 07/01/1971<br>07/01/1971<br>07/01/1971<br>07/01/1971<br>07/01/1971<br>07/01/1971 |

| Sl.No | Site                | State       | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para                         | Date of Start                                                                    |
|-------|---------------------|-------------|-----------|----------------|-----------------|--------------|---------------|----------------------------------|----------------------------------------------------------------------------------|
| 23.   | Girna Dam           | Maharashtra | Nasik     | HO/FF          | Girna           | 20.4783      | 74.7153       | Rf<br>Ar                         | 25/05/1992<br>25/05/1992                                                         |
| 24.   | Gopalkheda          | Maharashtra | Akola     | HO             | Purna           | 20.8779      | 76.9876       | Rf<br>Mt<br>Wv<br>Hu             | 09/01/1990<br>09/01/1990<br>09/01/1990<br>09/01/1990                             |
| 25.   | Hathnur             | Maharashtra | Jalgaon   | HO             | Tapi            | 21.0719      | 75.9461       | Rf<br>Mt<br>Wv<br>Hu<br>Pe       | 10/01/1991<br>10/01/1991<br>10/01/1991<br>10/01/1991<br>10/01/1991               |
| 26.   | Kurankheda          | Maharashtra | Akola     | HO             | Katepurna       | 20.7031      | 77.2429       | Rf                               | 01-06-2019                                                                       |
| 27.   | Lakhpuri            | Maharashtra | Akola     | HO/FF          | Purna           | 20.8475      | 77.3606       | Rf<br>Mt<br>Wv<br>Hu<br>Pe       | 09/01/1981<br>09/01/1981<br>09/01/1981<br>09/01/1981<br>09/01/1981               |
| 28.   | Lohara              | Maharashtra | Buldhana  | HO             | Man             | 20.8205      | 76.7597       | Rf                               | 15/06/2015                                                                       |
| 29.   | Malpur<br>(Balsana) | Maharashtra | Dhule     | HO             | Amravati        | 21.2847      | 74.5132       | Rf                               | 01-03-2019                                                                       |
| 30.   | Morane              | Maharashtra | Dhule     | HO             | Panjhara        | 20.9097      | 74.7128       | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe | 11/01/1990<br>11/01/1990<br>11/01/1990<br>11/01/1990<br>11/01/1990<br>11/01/1990 |
| 31.   | Narne               | Maharashtra | Jalgaon   | HO             | Anjani          | 21.124       | 75.317        | Rf                               | 01-02-2019                                                                       |
| 32.   | Pimpri              | Maharashtra | Jalgaon   | HO             | Vanoli          | 21.1283      | 75.6672       | Rf                               | 18/07/2019                                                                       |
| 33.   | Sarangkheda         | Maharashtra | Nandurbar | HO             | Tapi            | 21.4283      | 74.5272       | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe | 12/06/1986<br>12/06/1986<br>12/06/1986<br>12/06/1986<br>12/06/1986<br>12/06/1986 |
| 34.   | Savkheda            | Maharashtra | Jalgaon   | HO/FF          | Tapi            | 21.1481      | 75.2408       | Rf<br>Mt<br>Ar<br>Wv<br>Hu<br>Pe | 01/01/1982<br>01/01/1982<br>01/01/1982<br>01/01/1982<br>01/01/1982<br>01/01/1982 |

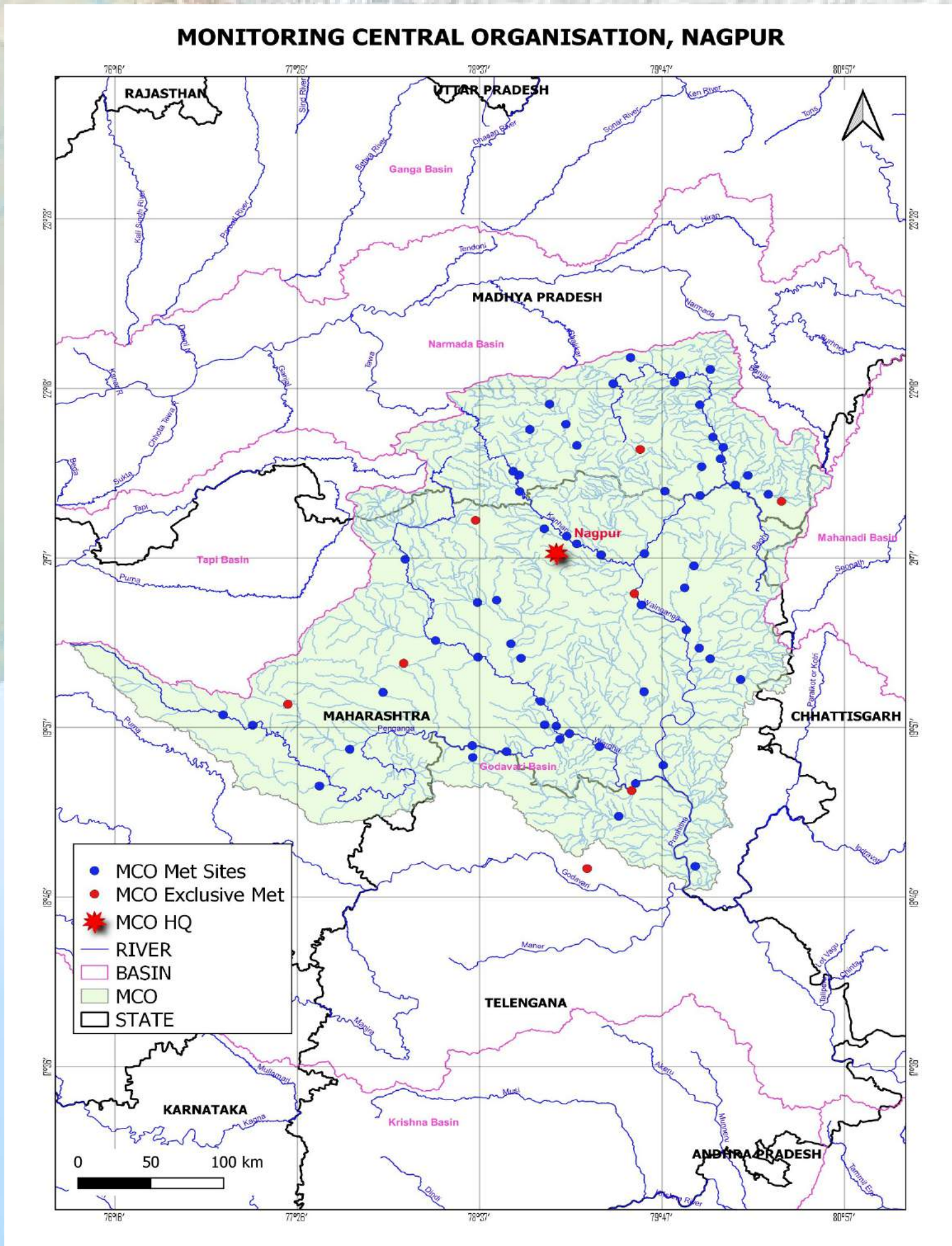
| Sl.No                           | Site        | State           | District | HO/FF/<br>HOIW | River Tributary           | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|---------------------------------|-------------|-----------------|----------|----------------|---------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 35.                             | Saygaon     | Maharashtra     | Jalgaon  | HO             | Manyad                    | 20.5078      | 74.795        | Rf                         | 01-04-2019                                                         |
| 36.                             | Shindhkheda | Maharashtra     | Dhule    | HO             | Buray                     | 21.2747      | 74.7518       | Rf                         | 01-06-2019                                                         |
| 37.                             | Shirpur     | Maharashtra     | Dhule    | HO             | Arunawati                 | 21.3383      | 74.8908       | Rf                         | 15/05/2019                                                         |
| 38.                             | Talaswada   | Maharashtra     | Buldhana | HO             | Nalganga                  | 20.9467      | 76.2031       | Rf                         | 18/07/2019                                                         |
| 39.                             | Wankhed     | Maharashtra     | Buldhana | HO             | Van                       | 20.993       | 76.7336       | Rf                         | 18/07/2019                                                         |
| 40.                             | Yerli       | Maharashtra     | Buldhana | HO             | Purna                     | 20.9358      | 76.4756       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 09/01/1979<br>09/01/1979<br>09/01/1979<br>09/01/1979<br>09/01/1979 |
| <b>Basin: WFR South of Tapi</b> |             |                 |          |                |                           |              |               |                            |                                                                    |
| 41.                             | Daman       | D&NH and<br>D&D | Daman    | HO / FF        | Damanganga                | 20.4114      | 72.8364       | Rf                         | 01-09-1998                                                         |
| 42.                             | Silvassa    | D&NH and<br>D&D | Silvassa | HO/FF          | Damanganga                | 20.2703      | 72.9869       | Rf<br>Mt                   | 06/01/1993<br>06/01/1993                                           |
| 43.                             | Solachar    | D&NH and<br>D&D | Silvassa | HO/FF          | Sakartond /<br>Damanganga | 20.2092      | 72.9906       | Rf<br>Mt<br>Ar<br>Hu       | 07/01/1992<br>07/01/1992<br>07/01/1992<br>07/01/1992               |
| 44.                             | Varai       | D&NH and<br>D&D | Silvassa | HO/FF          | Piparia                   | 20.2917      | 72.9931       | Rf                         | 05-02-2019                                                         |
| 45.                             | Gadat       | Gujarat         | Navsari  | HO             | Ambica                    | 20.8581      | 72.985        | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 06/01/1984<br>06/01/1984<br>06/01/1984<br>06/01/1984<br>06/01/1984 |

| Sl.No | Site       | State       | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|------------|-------------|----------|----------------|-----------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 46.   | Mahuwa     | Gujarat     | Surat    | HO             | Purna           | 21.0158      | 73.1397       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 06/01/1986<br>06/01/1986<br>06/01/1986<br>06/01/1986<br>06/01/1986 |
| 47.   | Nanipalsan | Gujarat     | Valsad   | HO             | Damanganga      | 20.2028      | 73.2811       | Rf<br>Mt<br>Wv<br>Hu       | 15/05/1986<br>15/05/1986<br>15/05/1986<br>15/05/1986               |
| 48.   | Vapi       | Gujarat     | Valsad   | HO/FF          | Damanganga      | 20.3389      | 72.9117       | Rf                         | 15/06/1980                                                         |
| 49.   | Durvesh    | Maharashtra | Palghar  | HO             | Vaitarna        | 19.7131      | 72.93         | Rf<br>Mt<br>Wv<br>Hu       | 27/06/1982<br>27/06/1982<br>27/06/1982<br>27/06/1982               |
| 50.   | Ozerkheda  | Maharashtra | Nasik    | HO             | Wagh            | 20.1047      | 73.2711       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 15/06/1989<br>15/06/1989<br>15/06/1989<br>15/06/1989<br>15/06/1989 |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                                             |
|------------------------------------------------------------------------|-------------------------------------------------------------|
| Region                                                                 | Mahi & Tapi Basin Organisation, Gandhinagar                 |
| Circle                                                                 | Hydrological Observation & Coordination Circle, Gandhinagar |
| Division                                                               | Tapi Division, Surat                                        |
| TOTAL NUMBER OF SITES-05                                               |                                                             |
| Basin: Tapi Basin                                                      |                                                             |

| Sl.No                    | Site       | State       | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|--------------------------|------------|-------------|-----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.                       | Chikaldara | Maharashtra | Amaravati | Met & FF       | Sipna           | 21.3997      | 77.3197       | Rf       | 21/06/1988    |
| 2.                       | Chiklod    | Maharashtra | Jalgaon   | Met & FF       | Bhokar          | 21.4250      | 76.0094       | Rf       | 14/05/2011    |
| Basin: WFR South of Tapi |            |             |           |                |                 |              |               |          |               |
| 3.                       | Harsul     | Maharashtra | Nasik     | Met & FF       | Damanganga      | 20.1128      | 73.4519       | Rf       | 10/05/1986    |
| 4.                       | Dindore    | Maharashtra | Nasik     | Met & FF       | Damanganga      | 20.2297      | 73.4544       | Rf       | 17/06/1987    |
| 5.                       | Mokheda    | Maharashtra | Palghar   | Met & FF       | Damanganga      | 19.9347      | 73.3428       | Rf       | 19/01/1987    |

# MONITORING CENTRAL ORGANISATION





**FCS SITE 'P.G. BRIDGE' ON RIVER PENGANGA**



**TELEMETERY STATION, WAIRAGARH AT RIVER  
KHOBRA GADI**



**SITE HIVRA AT RIVER WARDHA**

| Details of the Meteorological Observations on HO/FF Stations |                                         |
|--------------------------------------------------------------|-----------------------------------------|
| Region                                                       | Monitoring Central Organisation, Nagpur |
| Circle                                                       | Monitoring Central, Nagpur              |
| Division                                                     | Wainganga Division, Nagpur              |
| TOTAL NUMBER OF SITES-60                                     |                                         |
| Basin: Godavari Basin                                        |                                         |

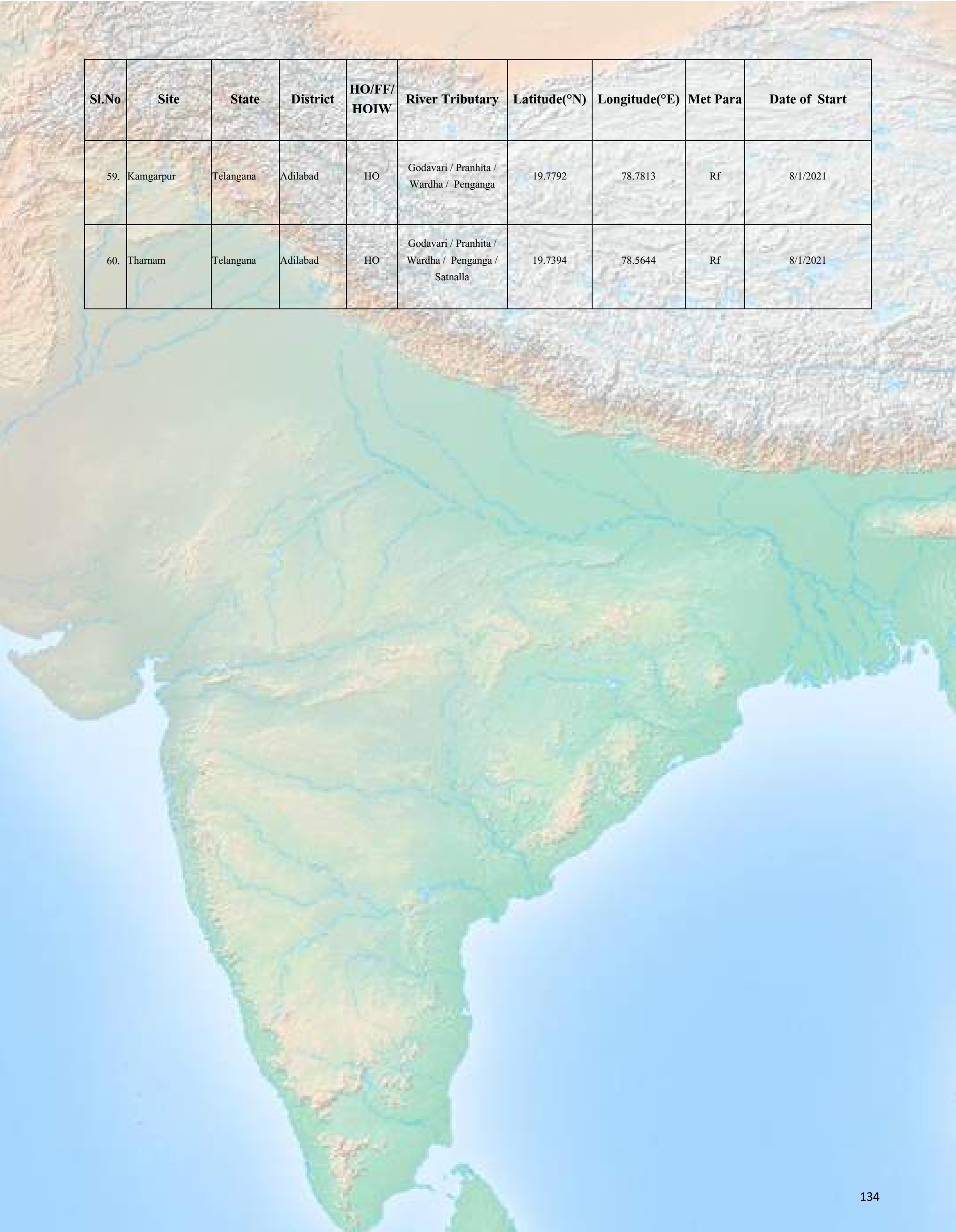
| Sl.No | Site        | State          | District   | HO/FF/<br>HOIW | River Tributary                                    | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------|----------------|------------|----------------|----------------------------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Bakhari     | Madhya Pradesh | Chindawara | HO             | Godavari / Pranhita / Wainganga                    | 22.3247      | 79.468        | Rf<br>Mt | 14/06/2021<br>21/11/2021 |
| 2.    | Balaghat    | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga                    | 21.8052      | 80.1583       | Rf       | 18/04/1980               |
| 3.    | Bichhubaggu | Madhya Pradesh | Chindwara  | HO             | Godavari / Pranhita / Wainganga / Kanhan / Sobhana | 21.69277     | 78.86333      | Rf       | 7/9/2021                 |
| 4.    | Ganeshganj  | Madhya Pradesh | Seoni      | HO             | Godavari / Pranhita / Wainganga / Bijna            | 22.505       | 79.5788       | Rf       | 8/1/2021                 |
| 5.    | Jhilmili    | Madhya Pradesh | Chindwara  | HO             | Godavari / Pranhita / Wainganga / Kanhan / Pench   | 22.0447      | 79.1638       | Rf       | 8/1/2021                 |
| 6.    | Keolari     | Madhya Pradesh | Seoni      | HO             | Godavari / Pranhita / Wainganga                    | 22.3814      | 79.8997       | Rf<br>Mt | 20/06/1994<br>21/07/1987 |
| 7.    | Kokiwada    | Madhya Pradesh | Chindawara | HO             | Godavari / Pranhita / Wainganga / Kanhan / Pench   | 21.8977      | 79.2344       | Rf<br>Mt | 16/06/2021<br>21/08/2021 |
| 8.    | Kumhari     | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga                    | 21.8844      | 80.1753       | Rf<br>Mt | 15/06/1993<br>01/10/1987 |
| 9.    | Lodhikheda  | Madhya Pradesh | Chindawara | HO             | Godavari / Pranhita / Wainganga / Kanhan / Jam     | 21.5794      | 78.8658       | Rf<br>Mt | 01/07/2021<br>17/08/2019 |
| 10.   | Magardharra | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga                    | 21.9558      | 80.1092       | Rf<br>Mt | 14/06/2021<br>01/06/2021 |

| Sl.No | Site               | State          | District   | HO/FF/<br>HOIW | River Tributary                                             | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|--------------------|----------------|------------|----------------|-------------------------------------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Mungapar           | Madhya Pradesh | Seoni      | HO             | Godavari / Pranhita / Wainganga / Sagar                     | 22.3344      | 79.8617       | Rf       | 29/07/2021               |
| 12.   | Nainpur            | Madhya Pradesh | Mandla     | HO             | Godavari / Pranhita / Wainganga / Thanwar                   | 22.4227      | 80.0927       | Rf       | 27/07/2021               |
| 13.   | Piplatola (Datta ) | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga / bagh / dev                | 21.6897      | 80.3336       | Rf       | 6/10/2021                |
| 14.   | Rajegaon           | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga / Bagh                      | 21.6239      | 80.2533       | Rf<br>Mt | 01/06/1993<br>01/11/1988 |
| 15.   | Ramakona           | Madhya Pradesh | Chindawara | HO             | Godavari / Pranhita / Wainganga / Kanhan                    | 21.7189      | 78.8242       | Rf<br>Mt | 29/05/1995<br>21/11/1986 |
| 16.   | Sarekha            | Madhya Pradesh | Seoni      | HO             | Godavari / Pranhita / Wainganga / Hirri                     | 22.1786      | 80.0247       | Rf       | 31/07/2021               |
| 17.   | Sarra              | Madhya Pradesh | Chindwara  | HO             | Godavari / Pranhita / Wainganga / Kanhan / Pench / Kulbehra | 22.0081      | 78.9308       | Rf       | 8/2/2021                 |
| 18.   | Chhinda (Singodi)  | Madhya Pradesh | Chindwara  | HO             | Godavari / Pranhita / Wainganga / Kanhan / Pench            | 22.1833      | 79.058        | Rf       | 8/1/2021                 |
| 19.   | Temni              | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga / Bagh / Son                | 21.5589      | 80.465        | Rf       | 6/10/2021                |
| 20.   | Waraseoni          | Madhya Pradesh | Balaghat   | HO             | Godavari / Pranhita / Wainganga / Chandan                   | 21.7503      | 80.0363       | Rf       | 7/1/2021                 |
| 21.   | Asegaon            | Maharashtra    | Washim     | HO             | Godavari / Pranhita / Wardha / Penganga                     | 20.0336      | 76.9583       | Rf       | 20/07/2021               |
| 22.   | Ashti              | Maharashtra    | Gadchiroli | HO             | Godavari / Pranhita / Wainganga                             | 19.6847      | 79.7886       | Rf<br>Mt | 01/06/1995<br>01/04/1995 |

| Sl.No | Site              | State       | District   | HO/FF/<br>HOIW | River Tributary                                    | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------------|-------------|------------|----------------|----------------------------------------------------|--------------|---------------|----------|--------------------------|
| 23.   | Bamni (Ballarsha) | Maharashtra | Chandrapur | HO / FF        | Godavari / Pranhita / Wardha                       | 19.8144      | 79.3792       | Rf<br>Mt | 01/01/1996<br>11/12/1972 |
| 24.   | Belgaon (Selu)    | Maharashtra | Wardha     | HO             | Godavari / Pranhita / Wardha / Wunna / Dham / Bore | 20.8267      | 78.7178       | Rf       | 29/07/2021               |
| 25.   | Bhandara          | Maharashtra | Bhandara   | HO / FF        | Godavari / Pranhita / Wainganga                    | 21.1492      | 79.6686       | Rf       | 14/09/1979               |
| 26.   | Bhishnur          | Maharashtra | Wardha     | HO             | Godavari / Pranhita / Wardha                       | 21.1097      | 78.1294       | Rf       | 18/06/2021               |
| 27.   | Bina              | Maharashtra | Nagpur     | HO             | Godavari / Pranhita / Wainganga / Kanhan           | 21.2692      | 79.1683       | Rf<br>Mt | 17/06/2021<br>21/07/2021 |
| 28.   | Dhanora (Kathani) | Maharashtra | Gadchiroli | HO             | Godavari / Pranhita / Wainganga / Katani           | 20.278       | 80.2872       | Rf       | 6/2/2021                 |
| 29.   | Dhanora (Wardha)  | Maharashtra | Chandrapur | HO             | Godavari / Pranhita / Wardha                       | 19.9044      | 79.1858       | Rf<br>Mt | 11/06/2021<br>11/06/2021 |
| 30.   | Ghugus            | Maharashtra | Chandrapur | HO             | Godavari / Pranhita / Wardha                       | 19.9558      | 79.1008       | Rf<br>Mt | 05/08/1999<br>11/12/1972 |
| 31.   | Hivra             | Maharashtra | Wardha     | HO             | Godavari / Pranhita / Wardha                       | 20.5472      | 78.325        | Rf<br>Mt | 05/09/1995<br>01/09/1987 |
| 32.   | Jogisakhra        | Maharashtra | Gadchiroli | HO             | Godavari / Pranhita / Wainganga / Gadvi            | 20.4952      | 80.0211       | Rf       | 6/1/2021                 |
| 33.   | Kanhargaon        | Maharashtra | Hingoli    | HO             | Godavari / Pranhita / Wardha / Penganga            | 19.9617      | 77.1483       | Rf<br>Mt | 03/07/2000<br>01/11/1993 |
| 34.   | Kapsi             | Maharashtra | Wardha     | HO             | Godavari / Pranhita / Wardha                       | 20.4331      | 78.5975       | Rf       | 6/10/2021                |

| Sl.No | Site                   | State       | District   | HO/FF/<br>HOIW | River Tributary                                               | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------------------|-------------|------------|----------------|---------------------------------------------------------------|--------------|---------------|----------|--------------------------|
| 35.   | Mahagaon (Pus)         | Maharashtra | Yavatmal   | HO             | Godavari / Pranhita /<br>Wardha / Penganga /<br>Pus           | 19.7961      | 77.7731       | Rf       | 31/07/2021               |
| 36.   | Mahalgaon              | Maharashtra | Gondia     | HO             | Godavari / Pranhita /<br>Wainganga                            | 21.5505      | 80.0266       | Rf<br>Mt | 09/06/2021<br>01/12/2019 |
| 37.   | Mangrul                | Maharashtra | Yavatmal   | HO             | Godavari / Pranhita /<br>Wardha / Penganga /<br>Aran          | 20.1889      | 77.9867       | Rf<br>Mt | 01/06/1995<br>01/10/1993 |
| 38.   | Mondgaon<br>(Yelakeli) | Maharashtra | Wardha     | HO             | Godavari / Pranhita /<br>Wardha / Wunna /<br>Dham             | 20.8111      | 78.5947       | Rf       | 28/07/2021               |
| 39.   | Mouda                  | Maharashtra | Nagpur     | HO             | Godavari / Pranhita /<br>Wainganga / Kanhan                   | 21.1408      | 79.3897       | Rf<br>Mt | 23/06/2021<br>23/06/2021 |
| 40.   | Mungoli<br>(Township)  | Maharashtra | Yavatmal   | HO             | Godavari / Pranhita /<br>Wardha / Penganga                    | 19.8644      | 79.125        | Rf<br>Mt | 01/06/2021<br>01/06/2021 |
| 41.   | Nagari                 | Maharashtra | Chandrapur | HO             | Godavari / Pranhita /<br>Wardha / Wunna /<br>Pothra           | 20.4256      | 78.8744       | Rf       | 6/11/2021                |
| 42.   | Nandgaon               | Maharashtra | Wardha     | HO             | Godavari / Pranhita /<br>Wardha / Wunna                       | 20.5255      | 78.8097       | Rf<br>Mt | 10/07/2001<br>01/08/1986 |
| 43.   | P.G.Bridge             | Maharashtra | Yavatmal   | HO             | Godavari / Pranhita /<br>Wardha / Penganga                    | 19.8208      | 78.5608       | Rf<br>Mt | 17/08/1979<br>01/02/1989 |
| 44.   | Patala                 | Maharashtra | Chandrapur | HO             | Godavari / Pranhita /<br>Wardha                               | 20.1269      | 79.0014       | Rf<br>Mt | 02/06/2021<br>02/06/2021 |
| 45.   | Patansaongi            | Maharashtra | Nagpur     | HO             | Godavari / Pranhita /<br>Wainganga / Kanhan /<br>Chandrabhaga | 21.3208      | 79.0244       | Rf       | 18/06/2021               |
| 46.   | Pauni                  | Maharashtra | Bhandara   | HO / FF        | Godavari / Pranhita /<br>Wainganga                            | 20.795       | 79.6494       | Rf<br>Mt | 01/07/1982<br>01/04/1969 |

| Sl.No | Site                        | State       | District   | HO/FF/<br>HOIW | River Tributary                                        | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------------|-------------|------------|----------------|--------------------------------------------------------|--------------|---------------|----------|--------------------------|
| 47.   | Purad                       | Maharashtra | Yavatmal   | HO             | Godavari / Pranhita /<br>Wardha / Nirguda              | 19.9644      | 79.0267       | Rf<br>Mt | 18/06/2021<br>18/06/2021 |
| 48.   | Rajoli                      | Maharashtra | Chandrapur | HO             | Godavari / Pranhita /<br>Wainganga / Andhari /<br>Mul  | 20.1936      | 79.6661       | Rf<br>Mt | 03/07/2000<br>19/09/1987 |
| 49.   | Rui                         | Maharashtra | Nanded     | HO             | Godavari / Pranhita /<br>Wardha / Penganga /<br>Kayadu | 19.5414      | 77.5778       | Rf       | 28/07/2021               |
| 50.   | Sakhra (Wadsa)              | Maharashtra | Gadchiroli | HO             | Godavari / Pranhita /<br>Wainganga                     | 20.6213      | 79.9372       | Rf<br>Mt | 02/06/2021<br>01/11/2021 |
| 51.   | Sakmur                      | Maharashtra | Chandrapur | HO             | Godavari / Pranhita /<br>Wardha                        | 19.5592      | 79.6117       | Rf<br>Mt | 01/06/2006<br>06/12/1972 |
| 52.   | Sakoli Bridge               | Maharashtra | Bhandara   | HO             | Godavari / Pranhita /<br>Wainganga / Chulband          | 21.0642      | 79.9869       | Rf       | 6/5/2021                 |
| 53.   | Salebardi                   | Maharashtra | Bhandara   | HO             | Godavari / Pranhita /<br>Wainganga / Chulband          | 20.9125      | 79.9272       | Rf<br>Mt | 25/06/1993<br>11/07/1986 |
| 54.   | Satrapur                    | Maharashtra | Nagpur     | HO             | Godavari / Pranhita /<br>Wainganga / Kanhan            | 21.2167      | 79.2331       | Rf<br>Mt | 24/09/1993<br>11/07/1986 |
| 55.   | Sitekasa                    | Maharashtra | Bhandara   | HO             | Godavari / Pranhita /<br>Wainganga / Bawanthadi        | 21.5811      | 79.8          | Rf       | 20/06/1997               |
| 56.   | Tekra - Shifter to<br>Aheri | Maharashtra | Gadchiroli | HO             | Godavari / Pranhita /<br>Pranhita                      | 18.9858      | 79.995        | Rf<br>Mt | 16/06/1980<br>01/09/1968 |
| 57.   | Wairagarh                   | Maharashtra | Gadchiroli | HO             | Godavari / Pranhita /<br>Wainganga /<br>Khobragarhi    | 20.4219      | 80.0917       | Rf<br>Mt | 01/06/2000<br>01/06/1994 |
| 58.   | Bhatpalli                   | Telangana   | Kumrambhim | HO             | Godavari / Pranhita /<br>Peddavagu                     | 19.3317      | 79.5031       | Rf<br>Mt | 27/8/1994<br>01/04/1988  |

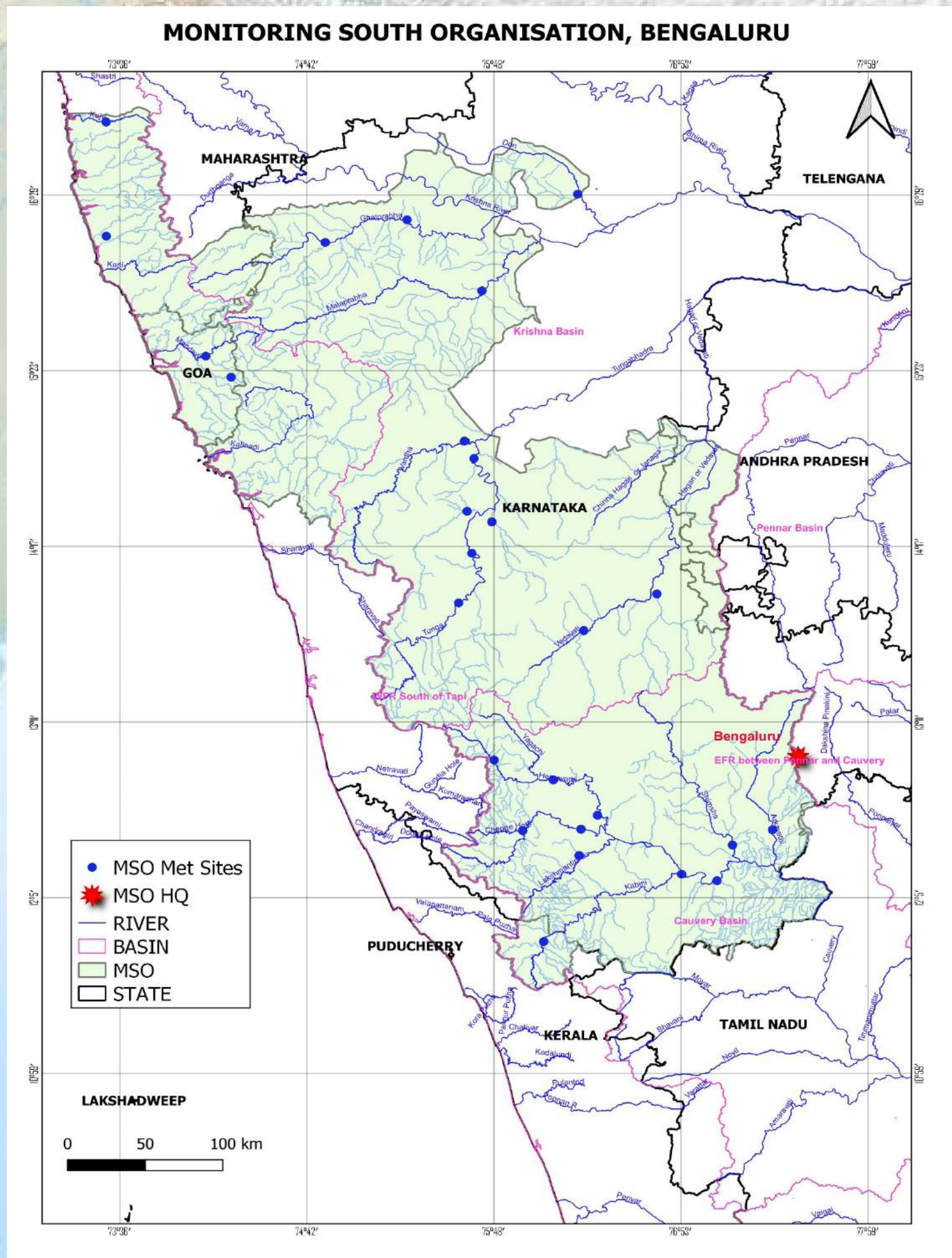


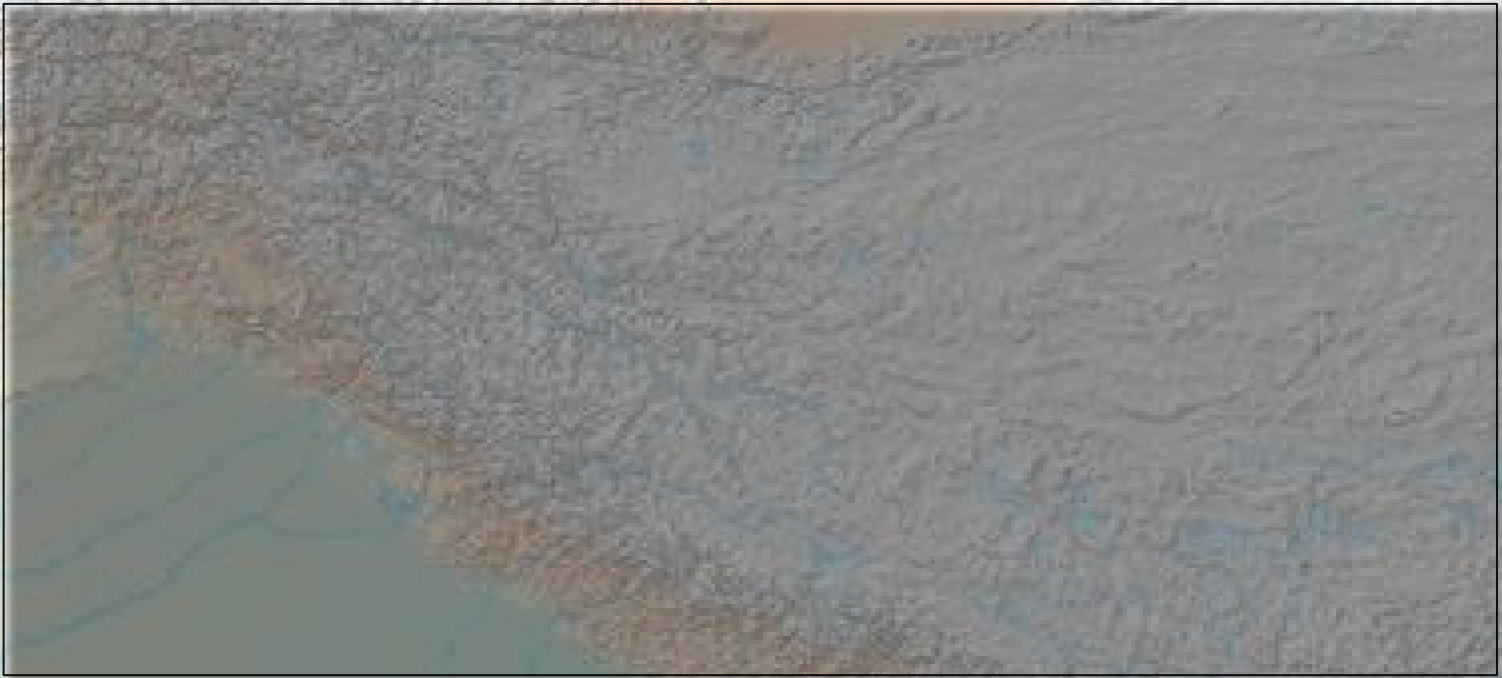
| Sl.No | Site      | State     | District | HO/FF/<br>HOIW | River Tributary                                          | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------|-----------|----------|----------------|----------------------------------------------------------|--------------|---------------|----------|---------------|
| 59.   | Kamgarpur | Telangana | Adilabad | HO             | Godavari / Pranhita /<br>Wardha / Penganga               | 19.7792      | 78.7813       | Rf       | 8/1/2021      |
| 60.   | Tharnam   | Telangana | Adilabad | HO             | Godavari / Pranhita /<br>Wardha / Penganga /<br>Satnalla | 19.7394      | 78.5644       | Rf       | 8/1/2021      |

| Details of the Exclusive Meteorological Observations Stations |                                         |
|---------------------------------------------------------------|-----------------------------------------|
| Region                                                        | Monitoring Central Organisation, Nagpur |
| Circle                                                        | Monitoring Central, Nagpur              |
| Division                                                      | Wainganga Division, Nagpur              |
| TOTAL NUMBER OF SITES-08                                      |                                         |
| Basin: Godavari Basin                                         |                                         |

| Sl.No | Site          | State          | District       | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|---------------|----------------|----------------|----------------|-----------------|--------------|---------------|----------|---------------|
| 39    | Vatphal       | Maharashtra    | Washim         | Met            | -               | 20.10722     | 77.3750       | Rf       | 07/06/2018    |
| 40    | Darsikala     | Madhya Pradesh | Balaghat       | Met            | -               | 21.8700      | 79.64111      | Rf       | 07/06/2018    |
| 41    | Chandrapur    | Maharashtra    | Chandrapur     | Met            | -               | 18.9700      | 79.3000       | Rf       | 09/06/2011    |
| 42    | Yavatmali     | Maharashtra    | Yavatmal       | Met            | -               | 20.3900      | 78.1200       | Rf       | 14/06/2011    |
| 43    | Mukni         | Maharashtra    | Nagpur         | Met            | -               | 21.37972     | 78.58222      | Rf       | 07/06/2018    |
| 44    | Lanji         | Madhya Pradesh | Balaghat       | Met            | -               | 21.5100      | 80.5500       | Rf       | 14/06/2011    |
| 79    | Gosekhurd Dam | Maharashtra    | Bhandara       | FF/Met         | Wainganga       | 20.87194     | 79.60389      | Rf       | 01/06/2019    |
| 81    | Sirpur Town   | Telangana      | Kumurram Bheem | Ff/Met         | Wardha          | 19.50972     | 79.58639      | Rf       | 01/06/2019    |

# MONITORING SOUTH ORGANISATION





**DIVISION OFFICE**



**ANJANARI SITE ON KAJVI RIVER, MAHARASHTRA**



**WATER QUALITY LAB, MSO**

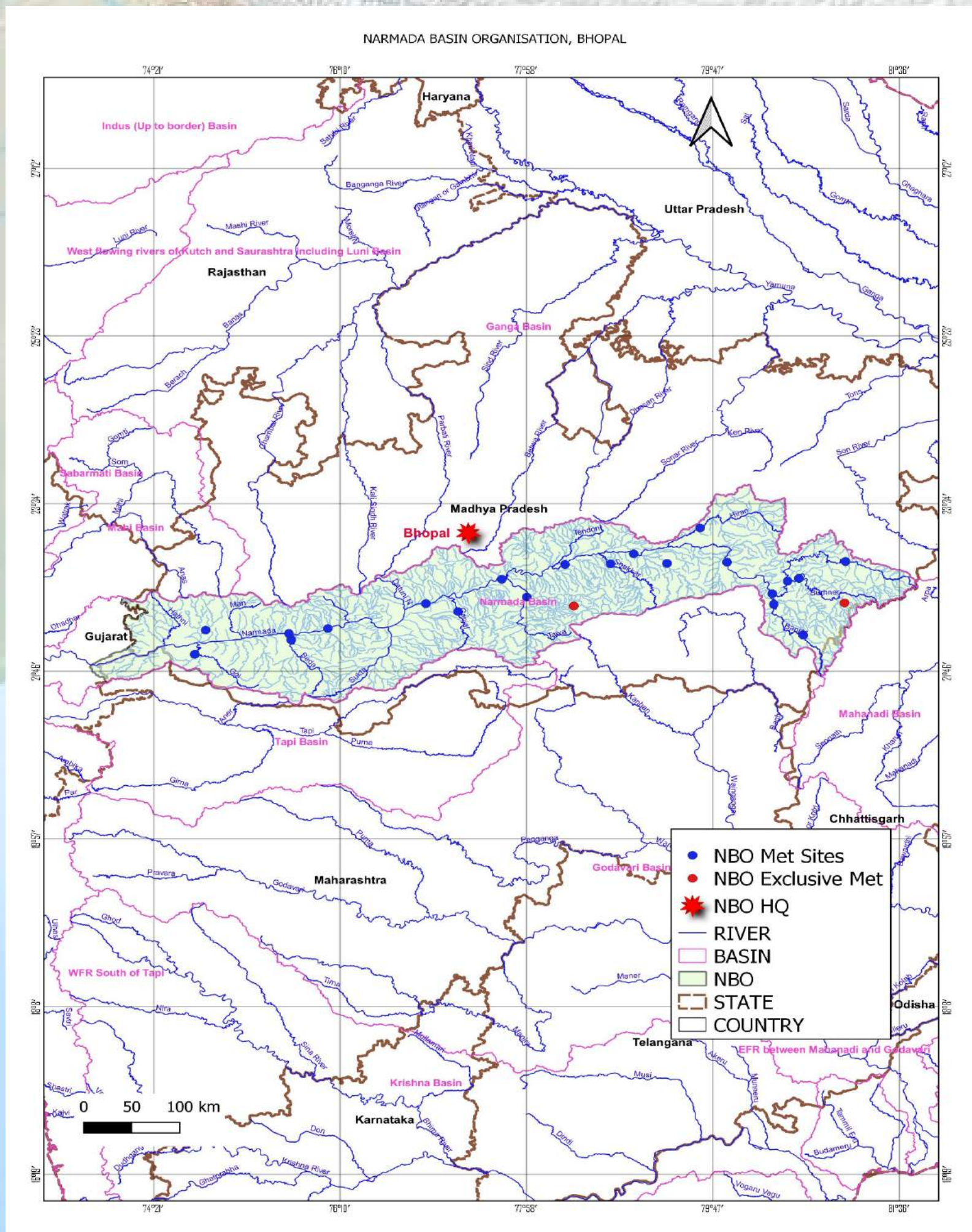
| Details of the Meteorological Observations on HO/FF Stations |                                          |
|--------------------------------------------------------------|------------------------------------------|
| Region                                                       | Monitoring South Organisation, Bengaluru |
| Circle                                                       | Monitoring (HO & CC), Bengaluru          |
| Division                                                     | Cauvery Division, Bengaluru              |
| TOTAL NUMBER OF SITES-27                                     |                                          |
| Basin: Cauvery Basin                                         |                                          |

| Sl.No | Site                      | State     | District       | HO/FF/<br>HOIW | River<br>Tributary           | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|---------------------------|-----------|----------------|----------------|------------------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.    | Akkihebbal                | Karnataka | Mandya         | HO             | Cauvery /<br>Hemavati        | 12.59855     | 76.40044      | Rf<br>Mt<br>Wv<br>Pe       | 01/01/2003<br>01/01/2014<br>10/02/2003<br>24/02/2003               |
| 2.    | Chunchunkatte             | Karnataka | Mysore         | HO             | Cauvery                      | 12.511056    | 76.303083     | Mt                         | 21/06/2004                                                         |
| 3.    | Kattemalavadi             | Karnataka | Mysuru         | HO             | Cauvery /<br>Lakshmanthirtha | 12.34721     | 76.29225      | Rf<br>Mt<br>Wv             | 07/10/1984<br>15/06/1988<br>25/06/1988                             |
| 4.    | Kollegal                  | Karnataka | Chamarajanagar | HO             | Cauvery                      | 12.18934     | 77.10189      | Rf<br>Mt<br>Wv<br>Pe       | 01/12/1976<br>01/12/1976<br>01/12/1976<br>01/12/1976               |
| 5.    | Kudige                    | Karnataka | Kodagu         | HO             | Cauvery                      | 12.50239     | 75.96097      | Rf<br>Mt<br>Wv<br>Pe       | 01/06/1981<br>01/12/1982<br>01/08/2002<br>01/06/1981               |
| 6.    | Mukundur<br>Hoshalli      | Karnataka | Hassan         | HO             | Cauvery /<br>Hemavati        | 12.81989     | 76.14101      | Rf<br>Mt<br>Wv<br>Pe       | 01/06/1984<br>01/12/1979<br>05/11/1979<br>21/05/2002               |
| 7.    | Sakleshpur                | Karnataka | Hassan         | HO             | Cauvery /<br>Hemavati        | 12.94346     | 75.79377      | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 27/02/2017<br>27/02/2017<br>20/12/2018<br>27/02/2017<br>27/02/2017 |
| 8.    | Thore Bekuppe             | Karnataka | Ramanagara     | HO             | Cauvery /<br>Arkavathi       | 12.5071      | 77.42818      | Rf<br>Mt                   | 01/11/2003<br>03/11/2003                                           |
| 9.    | Tirumakudalu<br>Narasipur | Karnataka | Mysuru         | HO             | Cauvery / Kabini             | 12.23019     | 76.89433      | Rf<br>Mt<br>Wv             | 01/01/1985<br>01/08/1974<br>01/07/1983                             |
| 10.   | Thorai Kadana<br>Halli    | Karnataka | Mandya         | HO             | Cauvery / Shimsha            | 12.41208     | 77.19287      | Rf<br>Mt                   | 21/09/1984<br>01/07/1984                                           |

| Sl.No                 | Site          | State     | District    | HO/FF/<br>HOIW | River<br>Tributary                        | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|-----------------------|---------------|-----------|-------------|----------------|-------------------------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 11.                   | Byaladahalli  | Karnataka | Davanagere  | HO             | Krishna /<br>Tungabhadra /<br>Haridra     | 14.43401     | 75.77972      | Rf<br>Mt<br>Wv<br>Pe | 10/10/2004<br>05/09/1985<br>10/10/2004<br>10/10/2004 |
| 12.                   | Muthankera    | Kerala    | Wynad       | HO             | Cauvery / Kabini                          | 11.80818     | 76.08409      | Rf<br>Mt<br>Wv       | 20/09/1978<br>07/08/1976<br>26/05/2005               |
| <b>Basin: Krishna</b> |               |           |             |                |                                           |              |               |                      |                                                      |
| 13.                   | Cholachagudda | Karnataka | Bagalkot    | HO             | Krishna /<br>Malaprabha                   | 15.87918     | 75.72125      | Rf<br>Mt             | 01/08/1989<br>01/06/1982                             |
| 14.                   | Gokak Falls   | Karnataka | Belgam      | HO             | Krishna /<br>Ghatprabha                   | 16.18139     | 74.80111      | Rf<br>Mt             | 16/06/1987<br>14/07/1971                             |
| 15.                   | Haralahalli   | Karnataka | Haveri      | HO             | Krishna /<br>Tungabhadra                  | 14.83056     | 75.67458      | Rf<br>Mt<br>Wv<br>Pe | 01/08/1994<br>01/01/1973<br>01/01/1988<br>01/10/2003 |
| 16.                   | Honnali       | Karnataka | Davangere   | HO             | Krishna /<br>Tungabhadra                  | 14.23722     | 75.6625       | Rf<br>Mt<br>Wv<br>Pe | 01/06/1988<br>06/06/1980<br>06/06/1980<br>06/06/1980 |
| 17.                   | Hoovinahole   | Karnataka | Chitradurga | HO             | Krishna /<br>Tungabhadra /<br>Swarnamukhi | 13.9825      | 76.74917      | Rf<br>Mt             | 01/01/2005<br>01/08/2004                             |
| 18.                   | Kellodu       | Karnataka | Chitradurga | HO             | Krishna /<br>Tungabhadra /<br>Vedavathi   | 13.75417     | 76.31972      | Rf<br>Mt             | 10/05/1990<br>01/08/1990                             |
| 19.                   | Kuppellur     | Karnataka | Haveri      | HO             | Krishna /<br>Tungabhadra /<br>Kumudavathi | 14.50002     | 75.63389      | Rf<br>Mt<br>Wv       | 19/06/1996<br>24/07/1990<br>01/02/2005               |
| 20.                   | Marol         | Karnataka | Haveri      | HO             | Krishna<br>Tungabhadra /<br>Varada        | 14.93884     | 75.61806      | Rf<br>Mt<br>Wv<br>Pe | 31/12/1987<br>01/06/1990<br>01/06/1987<br>16/12/1994 |
| 21.                   | Mudhol        | Karnataka | Bagalkot    | HO             | Krishna /<br>Ghataprabha                  | 16.32333     | 75.28111      | Mt                   | 16/09/2015                                           |

| Sl.No                    | Site         | State       | District  | HO/FF/<br>HOIW | River<br>Tributary     | Latitude(°N) | Longitude(°E) | Met Para             | Date of Start                                        |
|--------------------------|--------------|-------------|-----------|----------------|------------------------|--------------|---------------|----------------------|------------------------------------------------------|
| 22.                      | Shimoga      | Karnataka   | Shimoga   | HO             | Tungabhadra /<br>Tunga | 13.92694     | 75.585        | Rf<br>Mt<br>Wv<br>Hu | 10/06/1988<br>01/04/1973<br>01/06/1987<br>19/07/2014 |
| 23.                      | Talikot      | Karnataka   | Bijapur   | HO             | Krishna / Don          | 16.48361     | 76.28444      | Mt                   | 21/09/1995                                           |
| Basin: WFR South of Tapi |              |             |           |                |                        |              |               |                      |                                                      |
| 24.                      | Collem       | Goa         | South Goa | HO             | Mandovi / Kandepar     | 15.338661    | 74.24825      | Mt<br>Wv<br>Hu       | 01/06/1983<br>01/06/2021<br>01/06/2021               |
| 25.                      | Ganjem       | Goa         | North Goa | HO             | Mandovi / Mahadai      | 15.47096     | 74.09928      | Rf<br>Mt<br>Wv       | 01/06/2000<br>11/07/1978<br>01/11/2021               |
| 26.                      | Anjanari     | Maharashtra | Ratnagiri | HO             | Kajvi                  | 16.93461     | 73.51405      | Rf<br>Mt<br>Wv       | 01/01/2022<br>26/05/1985<br>01/01/2022               |
| 27.                      | Belne Bridge | Maharashtra | Sindudurg | HO             | Gad                    | 16.220833    | 73.51472      | Mt<br>Wv<br>Hu       | 10/10/1998<br>01/01/2022<br>01/01/2022               |

# NARMADA BASIN ORGANISATION





**SITE- KOGAON ON KUNDI RIVER, INDORE**



**SITE OFFICE- DHULSAR ON URI RIVER UNDER, INDORE**



**SITE OFFICE- BELKHERI ON SHER RIVER UNDER, NARMADAPURAM**

| Details of the Meteorological Observations on HO/FF Stations |                                    |
|--------------------------------------------------------------|------------------------------------|
| Region                                                       | Narmada Basin Organisation, Bhopal |
| Circle                                                       | SE(C), Bhopal                      |
| Division                                                     | Narmada Division, Bhopal           |
| TOTAL NUMBER OF SITES-21                                     |                                    |
| Basin: Narmada                                               |                                    |

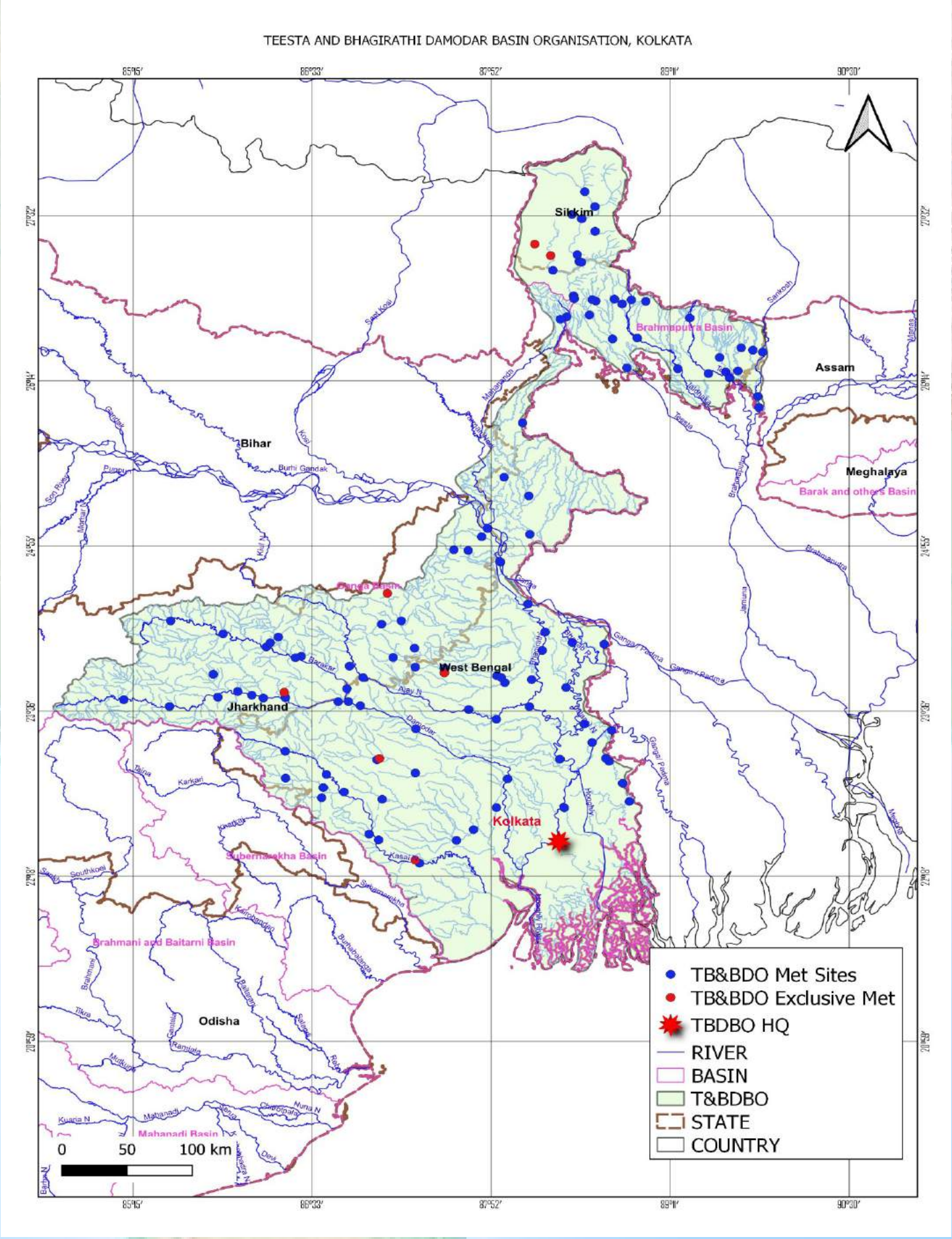
| Sl.No | Site        | State          | District    | HO/FF/<br>HOIW | River Tributary  | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|-------------|----------------|-------------|----------------|------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 1.    | Bamni       | Madhya Pradesh | Mandla      | HO             | Narmada / Banjar | 22.4842      | 80.3781       | Rf                         | 15/06/2006                                                         |
| 2.    | Barginagar  | Madhya Pradesh | Jabalpur    | HO / FF        | Narmada          | 22.9403      | 79.9231       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 11/07/2007<br>10/07/2007<br>01/04/2001<br>10/07/2007<br>13/07/2007 |
| 3.    | Barmanghat  | Madhya Pradesh | Narsinghpur | HO / FF        | Narmada          | 23.0308      | 79.0156       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 17/06/1975<br>01/06/1979<br>01/06/1979<br>01/06/1992<br>01/06/1983 |
| 4.    | Belkheri    | Madhya Pradesh | Narsinghpur | HO             | Narmada / Sher   | 22.9278      | 79.3397       | Rf<br>Mt<br>Wv<br>Hu       | 15/10/1986<br>01/04/1981<br>01/04/1981<br>01/06/1992               |
| 5.    | Chhidgaon   | Madhya Pradesh | Harda       | HO             | Narmada / Ganjal | 22.4058      | 77.3081       | Rf<br>Mt<br>Wv<br>Hu       | 14/06/1980<br>01/03/1981<br>01/03/1981<br>01/06/1992               |
| 6.    | Dhulsar     | Madhya Pradesh | Dhar        | HO             | Narmada          | 22.2056      | 74.8519       | Rf<br>Mt<br>Wv<br>Hu       | 01/06/2020<br>01/06/2020<br>01/06/2020<br>01/06/2020               |
| 7.    | Dindori     | Madhya Pradesh | Dindori     | HO / FF        | Narmada          | 22.9478      | 81.0761       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 19/06/1987<br>01/04/1989<br>01/06/2000<br>01/06/1992<br>01/07/1991 |
| 8.    | Gadarwara   | Madhya Pradesh | Narsinghpur | HO             | Narmada / Sakkar | 22.9228      | 78.7908       | Rf<br>Mt<br>Wv<br>Hu       | 28/02/1977<br>01/01/1980<br>01/01/1980<br>01/06/1992               |
| 9.    | Handia      | Madhya Pradesh | Harda       | HO             | Narmada          | 22.4917      | 76.9936       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 04/08/1979<br>01/06/1980<br>01/06/1980<br>01/06/1992<br>25/08/1987 |
| 10.   | Hoshangabad | Madhya Pradesh | Hoshangabad | HO / FF        | Narmada          | 22.7561      | 77.7328       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 17/06/1972<br>01/01/1980<br>01/03/1980<br>01/06/1992<br>01/01/1990 |

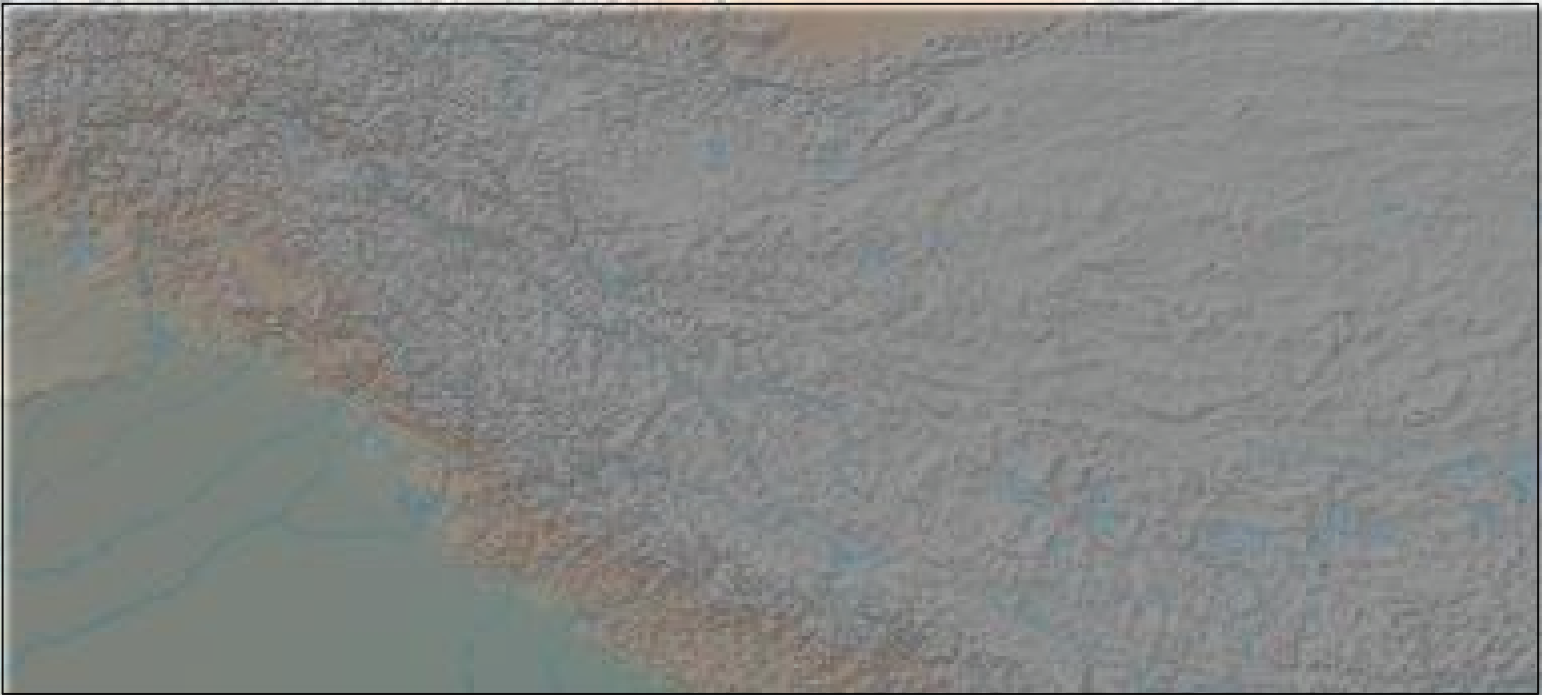
| Sl.No | Site        | State          | District    | HO/FF/<br>HOIW | River Tributary   | Latitude(°N) | Longitude(°E) | Met Para                   | Date of Start                                                      |
|-------|-------------|----------------|-------------|----------------|-------------------|--------------|---------------|----------------------------|--------------------------------------------------------------------|
| 11.   | Kogaon      | Madhya Pradesh | Khargone    | HO             | Narmada / Kundi   | 22.1014      | 75.6842       | Rf<br>Mt<br>Wv<br>Hu       | 09/06/1981<br>01/07/1978<br>01/07/1978<br>01/06/1992               |
| 12.   | Mandla      | Madhya Pradesh | Mndia       | HO/FF          | Narmada           | 22.5992      | 80.3639       | Rf<br>Mt                   | 01/06/1986<br>13/10/2001                                           |
| 13.   | Mandleshwar | Madhya Pradesh | Khargone    | HO             | Narmada           | 22.1683      | 75.6608       | Rf<br>Mt<br>Wv<br>Hu       | 03/02/1979<br>01/08/1980<br>01/08/1980<br>01/06/1992               |
| 14.   | Manot       | Madhya Pradesh | Mandla      | HO / FF        | Narmada           | 22.7358      | 80.5131       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1980<br>01/06/1980<br>01/06/1980<br>01/06/1992<br>01/11/1990 |
| 15.   | Mohgaoan    | Madhya Pradesh | Mandla      | HO / FF        | Narmada / Burhner | 22.7658      | 80.6233       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 11/07/1979<br>01/07/1979<br>11/07/1979<br>01/06/1992<br>01/04/1992 |
| 16.   | Mortakka    | Madhya Pradesh | Khandwa     | HO/FF          | Narmada           | 22.2233      | 76.0411       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 01/06/1986<br>01/06/2000<br>01/06/2000<br>10/09/1999<br>01/06/2000 |
| 17.   | Mukki       | Madhya Pradesh | Balaghat    | HO/FF          | Narmada / Banjar  | 22.1506      | 80.665        | Rf                         | 3/9/1987                                                           |
| 18.   | Patan       | Madhya Pradesh | Jabalpur    | HO             | Narmada / Hiran   | 23.3111      | 79.6619       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 04/01/1980<br>01/07/1983<br>01/07/1983<br>01/06/1992<br>01/06/1992 |
| 19.   | Pati        | Madhya Pradesh | Barwani     | HO             | Narmada           | 21.9433      | 74.7447       | Rf<br>Mt<br>Wv<br>Hu       | 01/06/2020<br>01/06/2020<br>01/06/2020<br>01/06/2020               |
| 20.   | Sandia      | Madhya Pradesh | Hoshangabad | HO / FF        | Narmada           | 22.9158      | 78.3475       | Rf<br>Mt<br>Wv<br>Hu<br>Pe | 06/01/1981<br>01/03/1980<br>01/03/1980<br>01/06/1992<br>11/02/1992 |
| 21.   | Tawanagar   | Madhya Pradesh | Hoshangabad | HO/FF          | Narmada           | 22.5633      | 77.9761       | Rf                         | 1/6/1986                                                           |

| Details of the Exclusive Meteorological Observations Stations |                                    |
|---------------------------------------------------------------|------------------------------------|
| Region                                                        | Narmada Basin Organisation, Bhopal |
| Circle                                                        | SE(C), Bhopal                      |
| Division                                                      | Narmada Division, Bhopal           |
| TOTAL NUMBER OF SITES-02                                      |                                    |
| Basin: Narmada                                                |                                    |

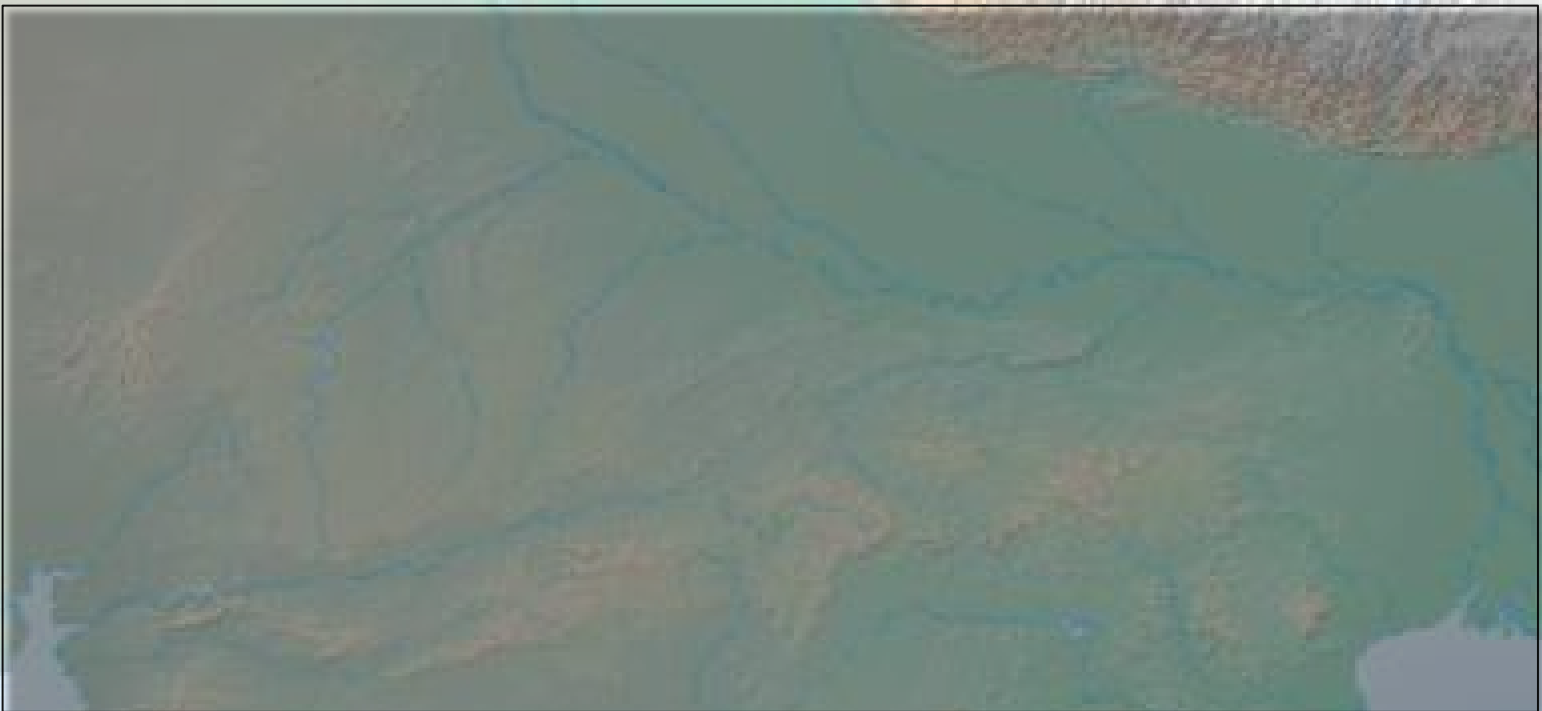
| Sl.No | Site      | State          | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------|----------------|-------------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.    | Mawai     | Madhya Pradesh | Mandla      | HO/FF          | Narmada         | 22.4994      | 81.0667       | Rf       | 04/06/1987    |
| 2.    | Pachmarhi | Madhya Pradesh | Hoshangabad | HO/FF          | Narmada         | 22.4667      | 78.4333       | Rf       | 19/06/1985    |

# TEESTA & BHAGIRATHI DAMODAR BASIN ORGANISATION





**DISCHARGE OBSERVATION FROM BRIDGE AT NH-31 GDSQ SITE ON RIVER JALDHAKA, JALPAIGURI, WEST BENGAL**



**MEASUREMENT OF DISCHARGE THROUGH ADCP AT GHUGUMARI GDSQ SITE ON TORSIA RIVER, COOCHBEHAR, WEST BENGAL**



**STATION GAUGE LINE AT MEKHLIGANJ R/B SITE ON TEESTA RIVER, COOCH BEHAR, WEST BENGAL**

| Details of the Meteorological Observations on HO/FF Stations |                                                         |
|--------------------------------------------------------------|---------------------------------------------------------|
| Region                                                       | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata |
| Circle                                                       | Hydrological Observation Circle, Maithon                |
| Division                                                     | Damodar Division, Asansol                               |
| TOTAL NUMBER OF SITES-50                                     |                                                         |
| Basin: Ganga                                                 |                                                         |

| Sl.No | Site                  | State     | District          | HO/FF/<br>HOIW | River Tributary                       | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------------------|-----------|-------------------|----------------|---------------------------------------|--------------|---------------|----------|---------------|
| 1.    | Barkisuraiya          | Jharkhand | Giridih           | HO             | Bhagirathi / Damodar / Barakar        | 24.2203      | 85.9039       | Rf       | 15/06/1988    |
| 2.    | Beria                 | Jharkhand | Giridih           | HO             | Beria / Barakar                       | 24.0419      | 86.4775       | Rf       | 9/7/2014      |
| 3.    | Chandrapura           | Jharkhand | Bokaro            | HO             | Damodar                               | 23.7329      | 86.1154       | Rf       | 6/1/2019      |
| 4.    | ChitaranjanRd. Bridge | Jharkhand | Paschim Bardhaman | HO             | Ajoy                                  | 23.873       | 86.9302       | Rf       | 11/22/2016    |
| 5.    | Ganshadih             | Jharkhand | Dhanbad           | HO             | Damodar                               | 23.7139      | 86.3611       | Rf       | 15/02/2015    |
| 6.    | Giridih(seasonal)     | Jharkhand | Giridih           | HO             | Bhagirathi / Damodar / Barakar / Usri | 24.1958      | 86.3089       | Rf       | 18/09/2019    |
| 7.    | Haripur (seasonal)    | Jharkhand | Dumka             | HO / FF        | Mayursakhi / Tepra                    | 24.29647     | 87.065704     | Rf       | 15/06/2007    |
| 8.    | Hendegir              | Jharkhand | Hazaribag         | HO             | Damodar                               | 23.6968      | 85.1774       | Rf       | 1/8/1986      |
| 9.    | Jamtara               | Jharkhand | Jamtara           | HO             | Ajoy                                  | 23.964       | 86.831191     | Rf       | 1/1/1995      |
| 10.   | Maharo                | Jharkhand | Dumka             | HO             | Mayursakhi                            | 24.32427     | 87.210425     | Rf       | 6/1/2000      |

| Sl.No | Site            | State     | District   | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------------|-----------|------------|----------------|-----------------------------------|--------------|---------------|----------|---------------|
| 11.   | Nandadih        | Jharkhand | Dhanbad    | HO/FF          | Bhagirathi / Damodar /<br>Barakar | 24.0311      | 86.435        | Rf       | 1/6/1988      |
| 12.   | Palganj         | Jharkhand | Giridih    | HO             | Barakar                           | 24.1161      | 86.2216       | Rf       | 6/1/2019      |
| 13.   | Phusro          | Jharkhand | Bokaro     | HO             | Damodar                           | 23.7626      | 86.012        | Rf       | 16/02/2015    |
| 14.   | Pupunki         | Jharkhand | Dhanbad    | HO             | Damodar                           | 23.7112      | 86.199        | Rf       | 6/1/1988      |
| 15.   | Ramgarh         | Jharkhand | Ramgarh    | HO             | Damodar                           | 23.6444      | 85.5118       | Rf       | 12/1/1983     |
| 16.   | Tenughat Dam    | Jharkhand | Bokaro     | HO / IF        | Damodar                           | 23.716666    | 85.8666666    | Rf       | 6/1/1979      |
| 17.   | Konar Dam       | Jharkhand | Hazaribagh | HO / IF        | Konar                             | 23.9         | 85.8333333    | Rf       | 6/1/1979      |
| 18.   | Tilaiya Dam     | Jharkhand | Koderma    | HO / IF        | Barakar                           | 24.324363    | 85.521021     | Rf       | 4/6/1979      |
| 19.   | Maithon Dam     | Jharkhand | Dhanbad    | HO / IF        | Barakar                           | 23.785152    | 86.811849     | Rf       | 6/1/1979      |
| 20.   | Panchet Dam     | Jharkhand | Dhanbad    | HO / IF        | Damodar                           | 23.681555    | 86.74743      | Rf       | 2/1/1982      |
| 21.   | Sikatia Barrage | Jharkhand | Deoghar    | HO / IF        | Ajoy                              | 24.15        | 86.25         | Rf       | 5/11/1978     |
| 22.   | Massanjore Dam  | Jharkhand | Dumka      | HO / IF        | Mayurakshi                        | 24.106388    | 87.3072222    | Rf       | 13/06/1979    |

| Sl.No | Site                          | State       | District          | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-------------------------------|-------------|-------------------|----------------|----------------------------------|--------------|---------------|----------|---------------|
| 23.   | Bishnupur                     | West Bengal | Bankura           | HO             | Darakeshwar                      | 23.11565     | 87.313431     | Rf       | 6/1/2019      |
| 24.   | Dangar Para Ghat              | West Bengal | Paschim Medinipur | HO             | Bhairabanki & Tarafeni           | 22.62974     | 86.97479      | Rf       | 1/1/2001      |
| 25.   | Damodar Rly. Bridge (Barnpur) | West Bengal | Burdwan           | HO             | Damodar                          | 23.65023     | 86.90989      | Rf       | 6/1/2019      |
| 26.   | Dishergarh Rd. Bridge         | West Bengal | Burdwan           | HO             | Damodar                          | 23.6819      | 86.8236       | Rf       | 6/1/2018      |
| 27.   | Ghatal                        | West Bengal | Pashim Midnapore  | HO             | Shilabati                        | 22.6661      | 87.739151     | Rf       | 6/1/2019      |
| 28.   | Gheropara                     | West Bengal | Birbhum           | HO/FF          | Ajoy                             | 23.61862     | 87.703252     | Rf       | 1/1/1995      |
| 29.   | Harinkhola                    | West Bengal | Hooghly           | HO/FF          | Mundeswari                       | 22.8397      | 87.9075       | Rf       | 1/1/2000      |
| 30.   | Jamalpur                      | West Bengal | Purba Bardhaman   | HO             | Damodar                          | 23.06834     | 87.98847      | Rf       | 1/1/2000      |
| 31.   | Kharidwar                     | West Bengal | Purulia           | HO/FF          | Bhagirathi / Kangsabati / Kumari | 22.99899     | 86.638823     | Rf       | 6/11/1986     |
| 32.   | Kuskarni                      | West Bengal | Birbhum           | HO             | Mayursakhi / Kuskarni            | 23.9564      | 87.3128       | Rf       | 6/1/2019      |
| 33.   | Lakhaiyapal                   | West Bengal | Pashim Midnapore  | HO             | Shilabati                        | 22.90691     | 87.070666     | Rf       | 6/1/2019      |
| 34.   | Lalgarh                       | West Bengal | Paschim Medinipur | HO/FF          | Kangsabati                       | 22.58344     | 87.04389      | Rf       | 1/1/1986      |

| Sl.No | Site                     | State       | District             | HO/FF/<br>HOIW | River Tributary                        | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|--------------------------|-------------|----------------------|----------------|----------------------------------------|--------------|---------------|----------|---------------|
| 35.   | Mamudpur<br>(seasonal)   | West Bengal | Murshidabad          | HO             | Mayursakhi /<br>Bakeshwar              | 23.83379     | 87.968998     | Rf       | 9/9/2019      |
| 36.   | Mohanpur                 | West Bengal | Paschim<br>Medinipur | HO/FF          | Kangsabati                             | 22.39842     | 87.34358      | Rf       | 1/1/2001      |
| 37.   | Narajole                 | West Bengal | Pashim<br>Midnapore  | HO             | Shilabati                              | 22.57976     | 87.614677     | Rf       | 6/1/2019      |
| 38.   | Narayanpur<br>(Seasonal) | West Bengal | Murshidabad          | HO/FF          | Mayurakshil                            | 23.88731     | 87.911261     | Rf       | 6/1/1990      |
| 39.   | Natungram                | West Bengal | Bankura              | HO             | Darakeshwar                            | 23.22092     | 87.03231      | Rf       | 6/1/2019      |
| 40.   | Nutanhat                 | West Bengal | Burdwan              | HO             | Ajoy                                   | 23.54228     | 87.90725      | Rf       | 1/1/1982      |
| 41.   | Phulberia                | West Bengal | Purulia              | HO/FF          | Jamuna & Tatko                         | 22.91922     | 86.62698      | Rf       | 1/1/2001      |
| 42.   | Purihansha               | West Bengal | Purulia              | HO             | Bhagirathi /<br>Kangsabati<br>/ Kumari | 23.07396     | 86.36278      | Rf       | 1/1/2001      |
| 43.   | Sankhoghat<br>(seasonal) | West Bengal | Murshidabad          | HO             | Mayursakhi / Dwaraka                   | 23.11565     | 87.313431     | Rf       | 9/9/2019      |
| 44.   | Simulia                  | West Bengal | Purulia              | HO             | Bhagirathi / Kangsabati                | 23.28774     | 86.36021      | Rf       | 1/1/2001      |
| 45.   | Sundarpur                | West Bengal | Murshidabad          | HO             | Mayursakhi                             | 23.87388     | 87.941274     | Rf       | 6/1/2019      |
| 46.   | Tantloi                  | West Bengal | Dumka                | HO             | Mayursakhi /<br>Sidheswari             | 24.0333      | 87.15         | Rf       | 6/1/1990      |

| Sl.No | Site                         | State       | District             | HO/FF/<br>HOIW | River Tributary            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|------------------------------|-------------|----------------------|----------------|----------------------------|--------------|---------------|----------|---------------|
| 47.   | Tusuma                       | West Bengal | Purulia              | HO             | Bhagirathi /<br>Kangsabati | 23.10439     | 86.66171      | Rf       | 1/1/2001      |
| 48.   | Durgapur Barrage             | West Bengal | Paschim<br>Bardhaman | HO / IF        | Damodar                    | 23.466666    | 87.3166666    | Rf       | 8/9/1955      |
| 49.   | Kangsabati Dam               | West Bengal | Bankura              | HO / IF        | Kangsabati                 | 22.96511     | 86.79022      | Rf       | 1/6/1978      |
| 50.   | Tilpara Mihiralal<br>Barrage | West Bengal | Birbhum              | HO / IF        | Mayurakshi                 | 23.946388    | 87.525        | Rf       | 12/8/1980     |



| Details of the Exclusive Meteorological Observation Stations |                                                         |
|--------------------------------------------------------------|---------------------------------------------------------|
| Region                                                       | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata |
| Circle                                                       | Hydrological Observation Circle, Maithon                |
| Division                                                     | Damodar Division, Asansol                               |
| TOTAL NUMBER OF SITES-05                                     |                                                         |
| Basin: Ganga                                                 |                                                         |

| Sl.No | Site                     | State       | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|--------------------------|-------------|-----------|----------------|-----------------|--------------|---------------|----------|---------------|
| 1.    | Putki                    | Jharkhand   | Dhanbad   | HO             | -               | 23.7564.29   | 86.352093     | Rf       | 15/06/1986    |
| 2.    | Midnapore                | West Bengal | Midnapore | HO             | -               | 22.4243      | 87.3119       | Rf       | 04/01/1990    |
| 3.    | Bankura                  | West Bengal | Bankura   | HO             | -               | 23.2306      | 87.0502       | Rf       | 17/09/1991    |
| 4.    | Suri                     | West Bengal | Birbhum   | HO             | -               | 23.9106      | 87.5261       | Rf       | 12/08/1980    |
| 5.    | Khusiary (seasonal site) | Jharkhand   | Dumka     | HO             | -               | 24.541804    | 87.108572     | Rf       | 01/08/1977    |



| Details of the Meteorological Observations on HO/FF Stations |                                                         |
|--------------------------------------------------------------|---------------------------------------------------------|
| Region                                                       | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata |
| Circle                                                       | Investigation Circle, Gangtok                           |
| Division                                                     | Lower Brahmaputra Division, Jalpaiguri                  |
| TOTAL NUMBER OF SITES-30                                     |                                                         |
| Basin: Brahmaputra                                           |                                                         |

| Sl.No | Site       | State       | District     | HO/FF/<br>HOIW | River Tributary                         | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------|-------------|--------------|----------------|-----------------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Baladoba   | Assam       | Dhubri       | HO             | Brahmaputra / Sankosh                   | 26.0189      | 89.8294       | Mt       | 10/11/2018               |
| 2.    | Golokganj  | Assam       | Dhubri       | HO / FF        | Brahmaputra / Sankosh                   | 26.1072      | 89.8225       | Rf<br>Mt | 01/01/2012<br>01/01/2012 |
| 3.    | Khanitar   | Sikkim      | East Sikkim  | HO             | Brahmaputra / Teesta                    | 27.1778      | 88.5133       | Rf<br>Mt | 01/01/1976<br>01/01/1976 |
| 4.    | Majhitar   | Sikkim      | South Sikkim | HO             | Brahmaputra /<br>Teesta / Rangit        | 27.1078      | 88.3217       | Mt       | 10/11/2018               |
| 5.    | Rangpo     | Sikkim      | East Sikkim  | HO             | Brahmaputra / Teesta /<br>Rangpochu     | 27.1722      | 88.5297       | Mt       | 20/12/2018               |
| 6.    | Ambari     | West Bengal | Coochbehar   | HO             | Brahmaputra / Torsa /<br>Kaljani        | 26.4164      | 89.5417       | Mt       | 20/07/2019               |
| 7.    | Barobisha  | West Bengal | Alipurduar   | HO             | Brahmaputra /<br>Sankosh / Raidak-II    | 26.4744      | 89.7853       | Rf<br>Mt | 01/01/1995<br>01/01/1995 |
| 8.    | Chel       | West Bengal | Jalpaiguri   | HO             | Brahmaputra / Teesta /<br>Dharla / Chel | 26.8636      | 88.635        | Mt       | 1/1/1988                 |
| 9.    | Chepan     | West Bengal | Alipurduar   | HO             | Brahmaputra / Torsa /<br>Raidak-I       | 26.4922      | 89.7006       | Rf<br>Mt | 01/01/1995<br>01/01/1995 |
| 10.   | Coronation | West Bengal | Darjeeling   | HO             | Brahmaputra /<br>Teesta                 | 26.905       | 88.47306      | Mt       | 10/11/2018               |

| Sl.No | Site                  | State       | District    | HO/FF/<br>HOIW | River Tributary                          | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------|-------------|-------------|----------------|------------------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Diana                 | West Bengal | Jalpaiguri  | HO             | Brahmaputra /<br>Jaldhaka / Diana        | 26.8614      | 89.0011       | Rf<br>Mt | 01/01/1973<br>01/01/1973 |
| 12.   | Domohani              | West Bengal | Jalpaiguri  | HO / FF        | Brahmaputra /<br>Teesta                  | 26.5628      | 88.7583       | Rf<br>Mt | 01/01/1976<br>01/01/1976 |
| 13.   | Gazoldoba             | West Bengal | Jalpaiguri  | HO             | Brahmaputra /<br>Teesta                  | 26.7525      | 88.5872       | Rf<br>Mt | 01/01/1998<br>01/01/1998 |
| 14.   | Ghish                 | West Bengal | Jalpaiguri  | HO             | Brahmaputra /<br>Teesta / Ghish          | 26.8747      | 88.6094       | Mt       | 29/05/2022               |
| 15.   | Ghugumari             | West Bengal | Cooch Behar | HO / FF        | Brahmaputra / Torsa                      | 26.2878      | 89.4608       | Rf<br>Mt | 05/04/2021<br>05/04/2021 |
| 16.   | Hasimara              | West Bengal | Alipurduar  | HO / FF        | Brahmaputra / Torsa                      | 26.7292      | 89.3236       | Rf<br>Mt | 01/01/1976<br>01/01/1976 |
| 17.   | Jaldhaka NH-31        | West Bengal | Jalpaiguri  | HO / FF        | Brahmaputra /<br>Jaldhaka                | 26.5697      | 88.9383       | Rf<br>Mt | 01/01/1977<br>01/01/1977 |
| 18.   | Mathabhanga           | West Bengal | Cooch Behar | HO / FF        | Brahmaputra /<br>Jaldhaka                | 26.3253      | 89.2356       | Rf<br>Mt | 01/01/1973<br>01/01/1973 |
| 19.   | Mekhliganj Right Bank | West Bengal | Cooch Behar | HO / FF        | Brahmaputra /<br>Teesta                  | 26.3325      | 88.8636       | Mt       | 10/11/2018               |
| 20.   | Murti                 | West Bengal | Jalpaiguri  | HO             | Brahmaputra /<br>Jaldhaka / Murti        | 26.8406      | 88.8283       | Rf<br>Mt | 01/01/1978<br>01/01/1978 |
| 21.   | Nagrakata             | West Bengal | Jalpaiguri  | HO             | Brahmaputra / Jaldhaka                   | 26.8728      | 88.8953       | Rf<br>Mt | 01/01/1976<br>01/01/1976 |
| 22.   | Neora                 | West Bengal | Jalpaiguri  | HO             | Brahmaputra / Teesta /<br>Dharla / Naora | 26.8786      | 88.7717       | Rf<br>Mt | 01/01/1975<br>01/01/1975 |

| Sl.No               | Site                     | State       | District       | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|---------------------|--------------------------|-------------|----------------|----------------|-----------------------------------|--------------|---------------|----------|--------------------------|
| 23.                 | Sankosh LRP              | West Bengal | Alipurduar     | HO             | Brahmaputra / Sankosh             | 26.4578      | 89.8581       | Mt       | 1/1/1976                 |
| 24.                 | Sevoke                   | West Bengal | Darjeeling     | HO             | Brahmaputra / Teesta              | 26.8817      | 88.4769       | Rf<br>Mt | 01/01/1975<br>01/01/1975 |
| 25.                 | Shaladang                | West Bengal | Cooch Behar    | HO             | Brahmaputra / Torsa /<br>Kaljani  | 26.30111     | 89.58667      | Mt       | 08/09/2019               |
| 26.                 | Suldagiri<br>(Deocharai) | West Bengal | Cooch Behar    | HO             | Brahmaputra / Torsa               | 26.25361     | 89.61583      | Mt       | 10/11/2018               |
| 27.                 | Tufanganj                | West Bengal | Cooch Behar    | HO / FF        | Brahmaputra / Torsa /<br>Raidak-I | 26.3089      | 89.6756       | Mt       | 24/06/2014               |
| <b>Basin: Ganga</b> |                          |             |                |                |                                   |              |               |          |                          |
| 28.                 | Champasari               | West Bengal | Darjeeling     | HO             | Ganga / Mahananda                 | 26.7392      | 88.4228       | Rf<br>Mt | 01/01/1988<br>01/01/1988 |
| 29.                 | Matigara                 | West Bengal | Darjeeling     | HO             | Ganga / Mahananda /<br>Balason    | 26.7203      | 88.3769       | Mt       | 27/12/2019               |
| 30.                 | Sonapur                  | West Bengal | North Dinajpur | HO             | Ganga / Mahananda                 | 26.1204      | 91.9784       | Mt       | 27/12/2019               |

| Details of the Meteorological Observations on HO/FF Stations |                                                         |
|--------------------------------------------------------------|---------------------------------------------------------|
| Region                                                       | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata |
| Circle                                                       | Hydrological Observation Circle, Maithon                |
| Division                                                     | Lower Ganga Division-III, Berhampore                    |
| TOTAL NUMBER OF SITES-27                                     |                                                         |
| Basin: Ganga                                                 |                                                         |

| Sl.No | Site                   | State       | District             | HO/FF/<br>HOIW | River Tributary                | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------------------|-------------|----------------------|----------------|--------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Labha                  | Bihar       | Katihar              | HO             | Ganga / Mahananda<br>(Fulahar) | 24.8833      | 87.7          | Rf<br>Mt | 26/07/1963<br>25/06/2020 |
| 2.    | Berhait                | Jharkhand   | Sahibganj            | HO             | Ganga / Gumani                 | 24.8886      | 87.5947       | Mt       | 1/1/1961                 |
| 3.    | Rajmahal<br>(Seasonal) | Jharkhand   | Sahibganj            | HO             | Ganga                          | 25.0569      | 87.8414       | Mt       | 14/10/1960               |
| 4.    | Bahirgachi             | West Bengal | Malda                | HO             | Mahananda                      | 25.3164      | 88.1442       | Rf<br>Mt | 21/12/2018<br>25/06/2020 |
| 5.    | Bajitpur               | West Bengal | North 24<br>Parganas | HO             | Ichamati                       | 23.2081      | 88.7319       | Rf<br>Mt | 20/03/2019<br>22/06/2020 |
| 6.    | Bangaon                | West Bengal | North 24<br>Parganas | HO             | Ichamati                       | 23.0344      | 88.8319       | Rf<br>Mt | 18/03/2019<br>19/06/2020 |
| 7.    | Banpur                 | West Bengal | Nadia                | HO             | Padma / Mathabhanga            | 23.4536      | 88.7519       | Rf<br>Mt | 18/03/2019<br>01/07/2020 |
| 8.    | Bariol                 | West Bengal | N. Dinajpur          | HO             | Mahananda                      | 25.8958      | 88.0981       | Mt       | 19/12/2018               |
| 9.    | Bazarsou<br>(seasonal) | West Bengal | Murshidabad          | HO             | Bhagirathi / Babla             | 23.8572      | 88.1658       | Mt       | 7/12/1958                |
| 10.   | Bedepara               | West bengal | Murshidabad          | HO             | Padma                          | 24.1392      | 88.6969       | Mt       | 3/1/1969                 |

| Sl.No | Site                             | State       | District    | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------------------------|-------------|-------------|----------------|-----------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Berhampore                       | West Bengal | Murshidabad | HO             | Bhagirathi                        | 24.0892      | 88.2425       | Mt       | 19/02/1968               |
| 12.   | Bhaluka                          | West Bengal | Malda       | HO             | Mahananda / Fulhar                | 25.4639      | 87.9636       | Rf<br>Mt | 16/03/2019<br>25/06/2020 |
| 13.   | Biswanathpur                     | West bengal | Murshidabad | HO             | Padma                             | 24.4575      | 88.1375       | Mt       | 5/12/1959                |
| 14.   | Cross Section 97 -<br>A, Farakka | West bengal | Murshidabad | HO / FF        | Ganga                             | 24.7908      | 87.9367       | Mt       | 16/09/1961               |
| 15.   | Chapra                           | West Bengal | Nadia       | HO             | Bhagirathi / Jalangi              | 23.5042      | 88.5514       | Rf<br>Mt | 27/04/1968<br>14/06/2020 |
| 16.   | Chuchura                         | West Bengal | Hooghly     | HO             | Bhagirathi                        | 22.8381      | 88.4042       | Mt       | 23/04/2019               |
| 17.   | Englishbazar                     | West Bengal | Malda       | HO             | Padma / Mahananda                 | 25.0114      | 88.1519       | Rf<br>Mt | 01/06/1959<br>24/06/2020 |
| 18.   | Farakka / (Head<br>Regulator)    | West bengal | Murshidabad | HO             | Feeder Canal                      | 24.7953      | 87.9317       | Rf<br>Mt | 01/04/1975<br>13/09/2019 |
| 19.   | Hanskhali                        | West Bengal | Nadia       | HO             | Bhagirathi / Churni               | 23.3578      | 88.6086       | Rf<br>Mt | 15/07/1969<br>05/07/2020 |
| 20.   | Islampur<br>(Seasonal)           | West Bengal | Murshidabad | HO             | Bhagirathi / Jalangi /<br>Bhairab | 24.1514      | 88.4628       | Mt       | 13/10/1970               |
| 21.   | Jiagan                           | West Bengal | Murshidabad | HO             | Bhagirathi                        | 24.2347      | 88.2636       | Mt       | 18/06/2018               |
| 22.   | Kalna                            | West Bengal | Burdwan     | HO             | Bhagirathi                        | 23.2253      | 88.3725       | Rf<br>Mt | 12/06/1956<br>12/06/2020 |

| Sl.No | Site                     | State       | District             | HO/FF/<br>HOIW | River Tributary      | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|--------------------------|-------------|----------------------|----------------|----------------------|--------------|---------------|----------|--------------------------|
| 23.   | Katwa                    | West Bengal | Burdwan              | HO             | Bhagirathi           | 23.6436      | 88.1478       | Rf<br>Mt | 02/05/1991<br>16/06/2020 |
| 24.   | Kuthibari                | West Bengal | Nadia                | HO             | Ichamati             | 23.2322      | 88.7086       | Rf<br>Mt | 18/03/2019<br>28/06/2020 |
| 25.   | Palasipara<br>(seasonal) | West Bengal | Nadia                | HO             | Bhagirathi / Jalangi | 23.7942      | 88.4181       | Rf<br>Mt | 14/07/1969<br>14/07/1969 |
| 26.   | Saralpur                 | West Bengal | Birbhum              | HO             | Dwarka               | 24.9916      | 87.7989       | Mt       | 18/03/2019               |
| 27.   | Taranipur                | West Bengal | North 24<br>Parganas | HO             | Ichamati             | 22.8889      | 88.8808       | Rf<br>Mt | 18/03/2019<br>01/07/2020 |

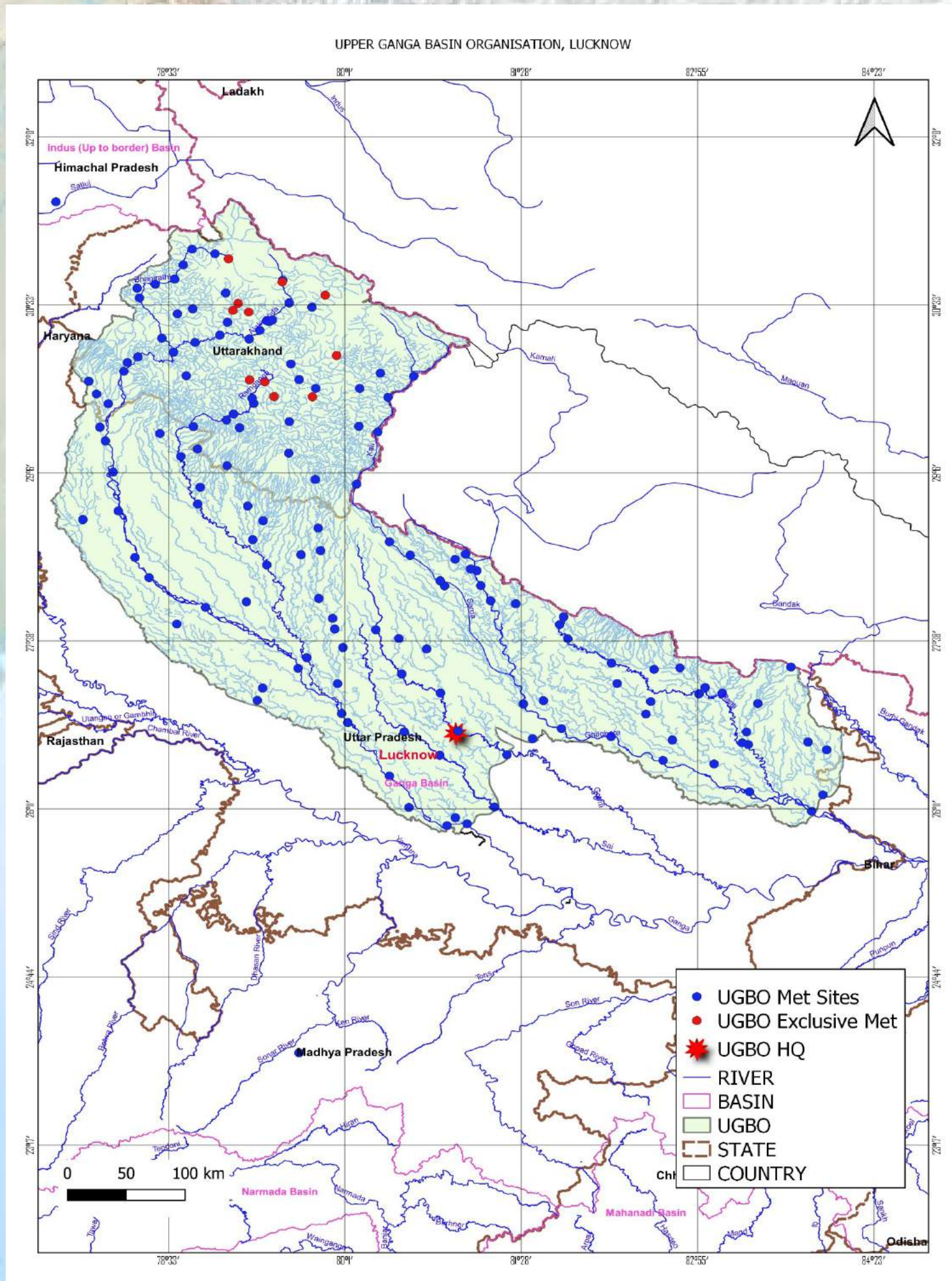
| Details of the Meteorological Observations on HO/FF Stations |                                                         |
|--------------------------------------------------------------|---------------------------------------------------------|
| Region                                                       | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata |
| Circle                                                       | Investigation Circle, Gangtok                           |
| Division                                                     | Sikkim Investigation Division, Gangtok                  |
| TOTAL NUMBER OF SITES-06                                     |                                                         |
| Basin: Brahmaputra                                           |                                                         |

| Sl.No | Site         | State  | District | HO/FF/<br>HOIW | River Tributary                 | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|--------------|--------|----------|----------------|---------------------------------|--------------|---------------|----------|---------------|
| 1.    | Bakcha       | Sikkim | Gangtok  | HO             | Teetsa / Dikchu /<br>Bakcha Chu | 27.4176      | 88.6302       | Rf       | 1/5/2021      |
| 2.    | Lachen       | Sikkim | Mangan   | HO             | Lachen Chu                      | 27.7319      | 88.5543       | Rf       | 7/1/2020      |
| 3.    | Laven        | Sikkim | Mangan   | HO             | Teesta / Talang Chu             | 27.5509      | 88.4611       | Rf       | 13/05/2020    |
| 4.    | Rangma Range | Sikkim | Mangan   | HO             | Lachen Chu                      | 27.6135      | 88.6289       | Rf       | 1/5/2021      |
| 5.    | Sankalang    | Sikkim | Mangan   | HO             | Teesta                          | 27.5173      | 88.5322       | Rf       | 1/1/2002      |
| 6.    | Singtam      | Sikkim | Pakyong  | HO / FF        | Teesta / Rani Khola             | 27.2317      | 88.4992       | Rf       | 6/1/2021      |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                                         |
|------------------------------------------------------------------------|---------------------------------------------------------|
| Region                                                                 | Teesta & Bhagirathi Damodar Basin Organisation, Kolkata |
| Circle                                                                 | Investigation Circle, Gangtok                           |
| Division                                                               | Sikkim Investigation Division, Gangtok                  |
| TOTAL NUMBER OF SITES-02                                               |                                                         |
| Basin: Brahmaputra                                                     |                                                         |

| Sl.No | Site  | State  | District | HO/FF/<br>HOIW | River Tributary                           | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-------|--------|----------|----------------|-------------------------------------------|--------------|---------------|----------|---------------|
| 1.    | Rimbi | Sikkim | Geyzing  | HO             | Teesta/Rangit/ Rathang<br>Chu/Rimbi Khola | 27.3150      | 88.1875       | Rf       | 01-01-2005    |
| 2.    | Reshi | Sikkim | Namchi   | HO             | Teesta/Rangit                             | 27.2253      | 88.3044       | Rf       | 20/08/2004    |

# UPPER GANGA BASIN ORGANISATION





**CHAMIYALA (G) SITE ON RIVER BHILANGANGA**



**MGD -1 OFFICE**



**HARSHIL (GDS) ON RIVER BHAGIRATHI**

| Details of the Meteorological Observations on HO/FF Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Upper Ganga Basin Organisation, Lucknow   |
| Circle                                                       | Hydrological Observation Circle, Dehradun |
| Division                                                     | Himalayan Ganga Division, Haridwar        |
| TOTAL NUMBER OF SITES-33                                     |                                           |
| Basin: Ganga                                                 |                                           |

| Sl.No | Site          | State         | District      | HO/FF/<br>HOIW | River Tributary                       | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|---------------|---------------|---------------|----------------|---------------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Dharamnagari  | Uttar Pradesh | Bijnor        | HO/FF          | Ganga                                 | 29.37305     | 78.035        | Rf<br>Mt | 16/06/2008<br>16/06/2008 |
| 2.    | Sukratal      | Uttar Pradesh | Muzaffarnagar | HO             | Solani                                | 29.4913      | 77.9901       | Rf<br>Mt | 01/06/2019<br>01/06/2019 |
| 3.    | Chamiyala     | Uttarakhand   | Tehri         | HO             | Bhagirathi / Bhilangana /<br>Balganga | 30.4731      | 78.6306       | Rf<br>Mt | 01/01/2019<br>01/01/2019 |
| 4.    | Badrinath     | Uttarakhand   | Chamoli       | HO             | Ganga / Alaknanda                     | 30.7644      | 79.4992       | Rf<br>Mt | 10/09/1976<br>10/09/1976 |
| 5.    | Birahi        | Uttarakhand   | Chamoli       | HO             | Alaknanda / Birahi                    | 30.40772     | 79.38894      | Rf<br>Mt | 08/01/2019<br>08/01/2019 |
| 6.    | Brahmkhaal    | Uttarakhand   | Uttarkashi    | HO             | Bhagirathi / Dusk                     | 30.695       | 78.2972       | Rf<br>Mt | 01/01/2019<br>01/01/2019 |
| 7.    | Chhinka       | Uttarakhand   | Chamoli       | HO             | Alaknanda                             | 30.4136      | 79.3665       | Rf<br>Mt | 01/03/2019<br>01/03/2019 |
| 8.    | Deoprayag (G) | Uttarakhand   | Pauri         | HO             | Ganga                                 | 30.1414      | 78.5969       | Rf<br>Mt | 06/03/1972<br>06/03/1972 |
| 9.    | Dharasu       | Uttarakhand   | Uttarkashi    | HO             | Bhagirathi                            | 30.6108      | 78.3167       | Rf<br>Mt | 20/12/2018<br>20/12/2018 |
| 10.   | Dhopaddhar    | Uttarakhand   | Tehri         | HO             | Bhilanganga                           | 30.5169      | 78.7561       | Rf<br>Mt | 08/02/2019<br>08/02/2019 |

| Sl.No | Site                       | State       | District    | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------------------|-------------|-------------|----------------|----------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Dosni                      | Uttarakhand | Haridwar    | HO             | Solani                           | 29.7798      | 77.9619       | Rf<br>Mt | 01/09/2019<br>01/09/2019 |
| 12.   | Ganganagar                 | Uttarakhand | Rudraprayag | HO/FF          | Ganga / Alaknanda /<br>Mandakini | 30.4008      | 79.0419       | Rf<br>Mt | 01/06/2014<br>01/06/2014 |
| 13.   | Gangnani                   | Uttarakhand | Uttarkashi  | HO             | Bhagirathi                       | 30.8967      | 78.6775       | Rf<br>Mt | 11/01/2018<br>11/01/2018 |
| 14.   | Gangotri                   | Uttarakhand | Rudrprayag  | HO             | Bhagirathi                       | 30.9939      | 78.9403       | Rf<br>Mt | 09/08/2018<br>09/08/2018 |
| 15.   | Gaurikund                  | Uttarakhand | Rudrprayag  | HO             | Ganga / Alaknanda /<br>Mandakini | 30.6542      | 79.0291       | Rf       | 9/7/2020                 |
| 16.   | Harshil                    | Uttarakhand | Uttarkashi  | HO             | Bhagirathi                       | 31.033       | 78.7503       | Rf<br>Mt | 01/04/2019<br>01/04/2019 |
| 17.   | Joshimath                  | Uttarakhand | Chamoli     | HO             | Ganga / Alaknanda                | 30.5669      | 79.5525       | Rf<br>Mt | 01/05/1971<br>01/05/1971 |
| 18.   | Karanprayag<br>(Alaknanda) | Uttarakhand | Chamoli     | HO             | Ganga / Alaknanda /<br>Pinder    | 30.2556      | 79.2211       | Rf<br>Mt | 07/01/1978<br>07/01/1978 |
| 19.   | Koteswar                   | Uttarakhand | Tehri       | HO             | Ganga / Bhagirath                | 30.2625      | 78.5006       | Rf<br>Mt | 01/11/2019<br>01/11/2019 |
| 20.   | Maneri                     | Uttarakhand | Uttarkashi  | HO             | Bhagirathi                       | 30.7747      | 78.6064       | Rf<br>Mt | 01/12/2018<br>01/12/2018 |
| 21.   | Marora                     | Uttarakhand | Pauri       | HO             | Ganga / Nayar                    | 29.9369      | 78.7033       | Rf<br>Mt | 01/11/1972<br>01/11/1972 |
| 22.   | Nandkeshi                  | Uttarakhand | Chamoli     | HO             | Ganga / Alaknanda /<br>Pinder    | 30.0392      | 79.5666       | Rf<br>Mt | 01/06/1994<br>01/06/1994 |

| Sl.No | Site                       | State       | District    | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------------------|-------------|-------------|----------------|----------------------------------|--------------|---------------|----------|--------------------------|
| 23.   | Nandprayag                 | Uttarakhand | Chamoli     | HO             | Alaknanda                        | 30.3311      | 79.3094       | Rf<br>Mt | 02/07/2019<br>02/07/2019 |
| 24.   | Pipalkoti                  | Uttarakhand | Chamoli     | HO             | Alaknanda                        | 30.4202      | 79.4142       | Rf<br>Mt | 20/05/2019<br>20/05/2019 |
| 25.   | Raysi                      | Uttarakhand | Haridwar    | HO             | Banganga                         | 29.695       | 78.0594       | Rf<br>Mt | 01/09/2019<br>01/09/2019 |
| 26.   | Rishikesh                  | Uttarakhand | Dehradun    | HO             | Ganga                            | 30.1008      | 78.3039       | Rf<br>Mt | 01/01/1971<br>01/01/1971 |
| 27.   | Roorkee                    | Uttarakhand | Haridwar    | HO             | Solan                            | 29.8897      | 77.8975       | Rf<br>Mt | 06/02/2021<br>06/02/2021 |
| 28.   | Rudraprayag<br>(Mandakini) | Uttarakhand | Rudraprayag | HO             | Ganga / Alaknanda /<br>Mandakini | 30.2886      | 78.9792       | Rf<br>Mt | 01/09/1972<br>01/09/1972 |
| 29.   | Satyanarayan               | Uttarakhand | Haridwar    | HO             | Song                             | 30.0523      | 78.2168       | Rf<br>Mt | 01/09/2019<br>01/09/2019 |
| 30.   | Srinagar                   | Uttarakhand | Pauri       | HO/FF          | Ganga / Alaknanda                | 30.2258      | 78.7756       | Rf<br>Mt | 01/11/1989<br>01/11/1989 |
| 31.   | Surahithota                | Uttarakhand | Chamoli     | HO             | Dhauliganga                      | 30.5314      | 79.7408       | Rf<br>Mt | 06/08/2019<br>06/08/2019 |
| 32.   | Uttarkashi                 | Uttarakhand | Uttarkashi  | HO             | Ganga / Bhagirath                | 30.7292      | 78.4469       | Rf<br>Mt | 27/12/1971<br>27/12/1971 |
| 33.   | Haridwar<br>(Dhudiaban)    | Uttarakhand | Haridwar    | HO             | Ganga                            | 29.97563     | 78.18752      | Rf<br>Mt | 06/01/1972<br>06/01/1972 |

| Details of the Exclusive Meteorological Observation Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Upper Ganga Basin Organisation, Lucknow   |
| Circle                                                       | Hydrological Observation Circle, Dehradun |
| Division                                                     | Himalayan Ganga Division, Haridwar        |
| TOTAL NUMBER OF SITES-07                                     |                                           |
| Basin: Ganga                                                 |                                           |

| Sl.No | Site      | State       | District    | HO/FF/<br>HOIW | River<br>Tributary | Latitude(°N) | Longitude(°E) | Met Para                               | Date of Start |
|-------|-----------|-------------|-------------|----------------|--------------------|--------------|---------------|----------------------------------------|---------------|
| 1.    | Mana      | Uttarakhand | Chamoli     | Met            | -                  | 30.74916667  | 79.49583333   | Rf<br>Mt<br>Hu<br>Sf<br>SS<br>Pe<br>Wv | 10.12.2021    |
| 2.    | Khati     | Uttarakhand | Bageshwar   | Met            | -                  | 30.11305556  | 79.94416667   | Rf<br>Mt<br>Hu<br>Sf<br>SS<br>Pe<br>Wv | 16.12.2021    |
| 3.    | Tunganath | Uttarakhand | Rudraprayag | Met            | -                  | 30.48861111  | 79.21722222   | Rf<br>Mt<br>Hu<br>Sf<br>SS<br>Pe<br>Wv | 10.12.2021    |
| 4.    | Gaundhar  | Uttarakhand | Rudraprayag | Met            | -                  | 30.56361111  | 79.13         | Rf                                     | 10.12.2021    |
| 5.    | Ukhimath  | Uttarakhand | Rudraprayag | Met            | -                  | 30.50369444  | 79.08797222   | Rf                                     | 10.12.2021    |
| 6.    | Gangi     | Uttarakhand | Tehri       | Met            | -                  | 30.63458333  | 78.84958333   | Rf<br>Mt<br>Hu<br>Sf<br>SS<br>Pe<br>Wv | 10.12.2021    |
| 7.    | Gaumukh   | Uttarakhand | Uttarkashi  | Met            | -                  | 30.94972222  | 79.48444444   | Rf<br>Mt<br>Hu<br>Sf<br>SS<br>Pe<br>Wv | 10.12.2021    |

| Details of the Meteorological Observations on HO/FF Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Upper Ganga Basin Organisation, Lucknow   |
| Circle                                                       | Hydrological Observation Circle, Dehradun |
| Division                                                     | Middle Ganga Division-I, Lucknow          |
| TOTAL NUMBER OF SITES-49                                     |                                           |
| Basin: Ganga                                                 |                                           |

| Sl.No | Site            | State         | District      | HO/FF/<br>HOIW | River Tributary            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------|---------------|---------------|----------------|----------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Ayodhya         | Uttar Pradesh | Faizabad      | HO / FF        | Ganga / Ghaghra /<br>Saryu | 26.8136      | 82.2078       | Rf<br>Mt | 15/06/1992<br>07/07/1970 |
| 2.    | B.K. Ghat       | Uttar Pradesh | Bahraich      | HO/FF          | Ganga / Ghaghra            | 28.25        | 81.1          | Rf<br>Mt | 01/08/1973<br>06/04/1963 |
| 3.    | Balrampur       | Uttar Pradesh | Balrampur     | HO / FF        | Ganga / Ghaghra /<br>Rapti | 27.45        | 82.2125       | Rf<br>Mt | 01/06/1975<br>30/07/1970 |
| 4.    | Bansi           | Uttar Pradesh | Siddarthnagar | HO/FF          | Ganga / Ghaghra /<br>Rapti | 27.1833      | 82.9325       | Rf<br>Mt | 20/07/1973<br>16/06/1971 |
| 5.    | Basti           | Uttar Pradesh | Basti         | HO             | Ganga / Ghaghra /<br>Kwano | 26.7839      | 82.7131       | Rf<br>Mt | 10/07/1987<br>24/04/1959 |
| 6.    | Bhingra         | Uttar Pradesh | Srawasti      | HO             | Ganga / Ghaghra /<br>Rapti | 27.6614      | 81.85         | Rf<br>Mt | 10/07/1987<br>16/06/1974 |
| 7.    | Birdghat        | Uttar Pradesh | Gorakhpur     | HO / FF        | Ganga / Ghaghra /<br>Rapti | 26.7444      | 83.34         | Rf<br>Mt | 15/07/1974<br>26/04/1959 |
| 8.    | Chandradeepghat | Uttar Pradesh | Gonda         | HO             | Ganga / Ghaghra /<br>Kwano | 27.1167      | 82.5356       | Rf<br>Mt | 09/08/1990<br>01/09/2015 |

| Sl.No | Site           | State         | District          | HO/FF/<br>HOIW | River Tributary                    | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|---------------|-------------------|----------------|------------------------------------|--------------|---------------|----------|--------------------------|
| 9.    | Chaugurji Ghat | Uttar Pradesh | Lakhimpur         | HO             | Mohana                             | 28.3933      | 81.0075       | Rf<br>Mt | 28/03/2019<br>01/11/2018 |
| 10.   | Chauhan Patti  | Uttar Pradesh | Deoriya           | HO             | Chhoti Gandak                      | 26.6995      | 83.9878       | Rf<br>Mt | 01/01/2019<br>01/09/2018 |
| 11.   | Colonelganj    | Uttar Pradesh | Gonda             | HO             | Ganga / Ghaghra / Sarju            | 27.1244      | 81.65         | Rf<br>Mt | 01/12/1970<br>01/04/1971 |
| 12.   | Dhobahat       | Uttar Pradesh | Ambedkar<br>Nagar | HO             | Ghagra                             | 26.6073      | 82.6361       | Rf<br>Mt | 01/02/2019<br>01/01/2019 |
| 13.   | Dumari Ghat    | Uttar Pradesh | Balrampur         | HO             | Kwano                              | 27.273       | 82.2584       | Rf<br>Mt | 01/02/2019<br>01/11/2018 |
| 14.   | Elginbridge    | Uttar Pradesh | Barabanki         | HO / FF        | Ganga / Ghaghra                    | 27.0956      | 81.4839       | Rf<br>Mt | 30/07/1973<br>01/05/1959 |
| 15.   | Gaighat        | Uttar Pradesh | Bharaich          | HO             | Ganga / Ghaghra /<br>Sarju (Babai) | 27.9639      | 81.4214       | Rf<br>Mt | 11/04/1963<br>01/09/1963 |
| 16.   | Gharighat      | Uttar Pradesh | Basti             | HO             | Kwano                              | 27.0087      | 82.4956       | Rf<br>Mt | 01/02/2019<br>08/10/2018 |
| 17.   | Gola Bazaar    | Uttar Pradesh | Deoria            | HO             | Ghaghra                            | 26.3356      | 83.35         | Rf<br>Mt | 01/02/2019<br>01/01/2019 |
| 18.   | Hetimpur       | Uttar Pradesh | Deoria            | HO             | Ganga / Ghaghra /<br>Little Gandak | 26.7667      | 83.8336       | Rf<br>Mt | 01/06/1976<br>01/06/1976 |

| Sl.No | Site          | State         | District            | HO/FF/<br>HOIW | River Tributary                          | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|---------------|---------------|---------------------|----------------|------------------------------------------|--------------|---------------|----------|--------------------------|
| 19.   | Kabirganj     | Uttar Pradesh | Pilibhit            | HO             | Sarda                                    | 28.5         | 80.3792       | Rf<br>Mt | 01/04/2019<br>01/10/2018 |
| 20.   | Kakardhari    | Uttar Pradesh | Shrawasti           | HO/FF          | Ganga / Ghaghra /<br>Rapti / Burhi Rapti | 27.85        | 81.8167       | Rf<br>Mt | 18/06/1971<br>22/09/2015 |
| 21.   | Kakrahi       | Uttar Pradesh | Siddarthnagar       | HO             | Ganga / Ghaghra /<br>Rapti / Burhi Rapti | 27.2375      | 82.9844       | Rf<br>Mt | 01/07/1973<br>15/06/1971 |
| 22.   | Kukea         | Uttar Pradesh | Lakhimpur           | HO             | Sharda                                   | 28.1186      | 80.8336       | Rf<br>Mt | 01/10/2018<br>01/06/2019 |
| 23.   | Madhwapur     | Uttar Pradesh | Shrawasti           | HO             | Rapti                                    | 27.7833      | 81.7833       | Rf<br>Mt | 01/02/2019<br>16/11/2018 |
| 24.   | Maniram       | Uttar Pradesh | Gorakhpur           | HO             | Ganga / Ghaghra                          | 26.8539      | 83.3258       | Rf<br>Mt | 07/01/1973<br>01/03/1972 |
| 25.   | Motipur       | Uttar Pradesh | Lakhimpur<br>Kheri  | HO             | Ganga / Ghaghra                          | 28.3483      | 80.9208       | Rf<br>Mt | 10/09/2002<br>01/01/1977 |
| 26.   | Muhchurwaghat | Uttar Pradesh | Sidharthnagar       | HO             | Burhi Rapti                              | 27.408       | 82.7755       | Rf<br>Mt | 01/02/2019<br>01/10/2018 |
| 27.   | Mukhlispur    | Uttar Pradesh | Sant Kabir<br>Nagar | HO             | Ganga / Ghaghra /<br>Kwano               | 26.5767      | 83.0581       | Rf<br>Mt | 01/12/1970<br>01/05/1971 |
| 28.   | New Motipur   | Uttar Pradesh | Lakhimpur           | HO             | Suheli                                   | 28.2644      | 81.049        | Rf<br>Mt | 01/03/2019<br>01/11/2018 |

| Sl.No | Site                         | State         | District           | HO/FF/<br>HOIW | River Tributary                    | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------------------------|---------------|--------------------|----------------|------------------------------------|--------------|---------------|----------|--------------------------|
| 29.   | Paliakalan                   | Uttar Pradesh | Lakhimpur<br>Kheri | HO             | Ganga / Ghaghra /<br>Sharda        | 28.3833      | 80.55         | Rf<br>Mt | 15/06/1973<br>24/04/1959 |
| 30.   | Parsa (Jalimnagar<br>Bridge) | Uttar Pradesh | Lakhimpur          | HO             | Ghaghra                            | 27.9895      | 81.2148       | Rf<br>Mt | 01/02/2019<br>01/11/2018 |
| 31.   | Parsohan Ghat                | Uttar Pradesh | Sidharthnagar      | HO             | Ratpi (Burhi Rapti)                | 27.3953      | 82.5625       | Rf<br>Mt | 01/01/2019<br>01/10/2018 |
| 32.   | RamnagarBagha                | Uttar Pradesh | Lakhimpur          | HO             | Ghaghra                            | 28.1202      | 81.1333       | Rf<br>Mt | 01/04/2019<br>01/11/2018 |
| 33.   | Regauli                      | Uttar Pradesh | Gorakhpur          | HO             | Ganga / Ghaghra /<br>Rapti         | 26.7592      | 83.2906       | Rf<br>Mt | 06/07/1979<br>01/01/1976 |
| 34.   | Salempur                     | Uttar Pradesh | Deoria             | HO             | Ganga / Ghaghra / Little<br>Gandak | 26.3094      | 83.9556       | Rf<br>Mt | 15/06/2006<br>15/06/2006 |
| 35.   | Shardanagar                  | Uttar Pradesh | Lakhimpur<br>Kheri | HO             | Ganga / Ghaghra /<br>Sharda        | 28.1614      | 80.7981       | Rf<br>Mt | 01/08/1973<br>21/03/2014 |
| 36.   | Sonauli<br>Mohammadpur       | Uttar Pradesh | Gonda              | HO             | Ghaghra                            | 26.8825      | 81.7987       | Rf<br>Mt | 01/02/2019<br>15/11/2018 |
| 37.   | Thothibari                   | Uttar Pradesh | Maharajganj        | HO             | Chandan                            | 27.4152      | 83.6927       | Rf<br>Mt | 01/01/2019<br>22/12/2018 |
| 38.   | Trimohinighat                | Uttar Pradesh | Maharajganj        | HO             | Ganga / Ghaghra /<br>Rapti / Rohin | 27.0994      | 83.4192       | Rf<br>Mt | 01/11/1982<br>11/06/1976 |

| Sl.No | Site                    | State         | District      | HO/FF/<br>HOIW | River Tributary                           | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------------------|---------------|---------------|----------------|-------------------------------------------|--------------|---------------|----------|--------------------------|
| 39.   | Turtipar                | Uttar Pradesh | Ballia        | HO / FF        | Ganga / Ghaghra                           | 26.1667      | 83.8636       | Rf<br>Mt | 16/06/1971<br>22/11/1962 |
| 40.   | Uskabazar               | Uttar Pradesh | Siddarthnagar | HO             | Ganga / Ghaghra /<br>Rapti / Kunhara      | 27.1897      | 83.1258       | Rf<br>Mt | 15/06/1974<br>01/06/2015 |
| 41.   | Bageshwar               | Uttarakhand   | Bageshwar     | HO             | Sharda                                    | 29.828       | 79.7714       | Rf<br>Mt | 01/04/2019<br>01/10/2018 |
| 42.   | Banbasa                 | Uttarakhand   | Champawat     | HO/FF          | Ganga / Ghaghra /<br>Sharda               | 28.9992      | 80.1089       | Rf<br>Mt | 15/06/1973<br>01/04/2014 |
| 43.   | Bangapani<br>(Munsyari) | Uttarakhand   | Pithoragarh   | HO             | Mahalai / Gauri Ganga                     | 29.9592      | 80.3042       | Rf<br>Mt | 01/04/2019<br>01/12/2019 |
| 44.   | Gagrigol                | Uttarakhand   | Bageshwar     | HO             | Gomti                                     | 29.9036      | 79.6347       | Rf<br>Mt | 01/04/2019<br>01/10/2018 |
| 45.   | Ghat                    | Uttarakhand   | Pithoragarh   | HO             | Ganga / Ghaghra /<br>Sharda / Sarju       | 29.5         | 80.1278       | Rf<br>Mt | 01/09/1986<br>01/07/1986 |
| 46.   | Jauljibi                | Uttarakhand   | Pithoragarh   | HO             | Ganga / Ghaghra /<br>Sharda / Gauriganga  | 29.75        | 80.3667       | Rf<br>Mt | 15/11/1976<br>16/08/1976 |
| 47.   | Kanjyoti<br>(Tawaghat)  | Uttarakhand   | Pithoragarh   | HO             | Ganga / Ghaghra /<br>Sharda / Dhauliganga | 29.9333      | 80.58         | Rf<br>Mt | 08/04/2017<br>08/04/2017 |
| 48.   | Pancheshwar             | Uttarakhand   | Champawat     | HO             | Ganga / Ghaghra /<br>Sharda               | 29.4514      | 80.2833       | Rf<br>Mt | 01/07/1978<br>01/08/2011 |

| Sl.No | Site | State       | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------|-------------|-------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 49.   | Thal | Uttarakhand | Pithoragarh | HO             | Ram Ganga       | 29.8275      | 80.1333       | Rf<br>Mt | 01/04/2019<br>01/10/2018 |

| Details of the Meteorological Observations on HO/FF Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Upper Ganga Basin Organisation, Lucknow   |
| Circle                                                       | Hydrological Observation Circle, Dehradun |
| Division                                                     | Middle Ganga Division-II, Lucknow         |
| TOTAL NUMBER OF SITES-59                                     |                                           |
| Basin: Ganga                                                 |                                           |

| Sl.No | Site         | State         | District     | HO/FF/<br>HOIW | River Tributary                                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|--------------|---------------|--------------|----------------|--------------------------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Ankinghat    | Uttar Pradesh | Kanpur Nagar | HO/FF          | Ganga                                            | 26.9347      | 80.0361       | Rf<br>Mt | 01/01/1993<br>01/01/1993 |
| 2.    | Anupshahar   | Uttar Pradesh | Bulandshahar | HO             | Ganga                                            | 28.364       | 78.279        | Rf<br>Mt | 10/10/2020<br>10/10/2020 |
| 3.    | Atrauli      | Uttar Pradesh | Aligarh      | HO             | Ganga / Kali                                     | 27.9805      | 79.1992       | Rf<br>Mt | 25/09/2020<br>25/09/2020 |
| 4.    | Bani         | Uttar Pradesh | Lucknow      | HO             | Ganga / Ramganga                                 | 26.6517      | 80.7942       | Rf<br>Mt | 01/01/1993<br>01/01/1993 |
| 5.    | Bareilly     | Uttar Pradesh | Bareilly     | HO/FF          | Ganga / Gomti / Sai                              | 28.2992      | 79.3667       | Rf<br>Mt | 01/06/1995<br>01/06/1995 |
| 6.    | Basantpur    | Uttar Pradesh | Bijnaur      | HO             | Ganga                                            | 29.10297     | 78.09868      | Rf<br>Mt | 26/09/2020<br>26/09/2020 |
| 7.    | Batpurwaghat | Uttar Pradesh | Sitapur      | HO             | Ganga / Gomti                                    | 27.1911      | 80.8          | Rf<br>Mt | 01/06/2004<br>01/06/2004 |
| 8.    | Bewar        | Uttar Pradesh | Manipuri     | HO             | Ganga / Kali                                     | 27.2333      | 79.3333       | Rf<br>Mt | 01/06/2006<br>01/06/2006 |
| 9.    | Bhatpura     | Uttar Pradesh | Rampur       | HO             | Ganga / Ramganga /<br>Kitchha / Bhakra /<br>Buar | 28.8089      | 79.2092       | Rf<br>Mt | 12/01/2020<br>12/01/2020 |
| 10.   | Bhitaure     | Uttar Pradesh | Fatehpur     | HO             | Ganga                                            | 26.0431      | 80.8542       | Rf<br>Mt | 01/10/2000<br>01/10/2000 |

| Sl.No | Site             | State         | District     | HO/FF/<br>HOIW | River Tributary                     | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------------|---------------|--------------|----------------|-------------------------------------|--------------|---------------|----------|--------------------------|
| 11.   | Bhojpur          | Uttar Pradesh | Moradabad    | HO             | Ganga / Ramganga /<br>Dehla         | 28.9722      | 78.8168       | Rf<br>Mt | 15/09/2020<br>15/09/2020 |
| 12.   | Bilhaur          | Uttar Pradesh | Kanpur       | HO             | Ganga / Isan                        | 26.8553      | 80.5017       | Rf<br>Mt | 16/09/2020<br>16/09/2020 |
| 13.   | Chapkoli         | Uttar Pradesh | Ghaziabad    | HO             | Kali                                | 28.6917      | 77.85         | Rf<br>Mt | 23/02/2020<br>23/02/2020 |
| 14.   | Dabri            | Uttar Pradesh | Shahjahanpur | HO/FF          | Ganga / Ramganga                    | 27.4958      | 79.6972       | Rf<br>Mt | 01/07/2003<br>01/07/2003 |
| 15.   | Dalmau           | Uttar Pradesh | Raebareli    | HO/FF          | Ganga                               | 26.0583      | 81.0208       | Rf<br>Mt | 01/06/2005<br>01/06/2005 |
| 16.   | Dhaneta          | Uttar Pradesh | Bareilly     | HO             | Ganga / Ramganga /<br>Kitcha        | 28.4231      | 79.8108       | Rf<br>Mt | 06/03/2019<br>06/03/2019 |
| 17.   | DulchaDhakia     | Uttar Pradesh | Shahjehanpur | HO             | Ganga / Ramganga /<br>Deoha (Garra) | 28.009       | 79.7963       | Rf<br>Mt | 01/08/2019<br>01/08/2019 |
| 18.   | Fatehganj (East) | Uttar Pradesh | Shahjhanpur  | HO             | Ramganga / Bhogul                   | 24.075       | 79.6333       | Rf<br>Mt | 21/09/2020<br>21/09/2020 |
| 19.   | Fatehgarh        | Uttar Pradesh | Farukhabad   | HO/FF          | Ganga                               | 27.4042      | 79.625        | Rf<br>Mt | 01/06/2004<br>01/06/2004 |
| 20.   | Garhmukteshwar   | Uttar Pradesh | Ghaziabad    | HO/FF          | Ganga                               | 28.7667      | 78.1417       | Rf<br>Mt | 01/01/1994<br>01/01/1994 |
| 21.   | Haidergarh       | Uttar Pradesh | Barabanki    | HO             | Gomti                               | 26.6564      | 81.3494       | Rf<br>Mt | 12/01/2020<br>12/01/2020 |
| 22.   | Jyoti Jagir      | Uttar Pradesh | Bareilly     | HO             | Ramganga / Baigul /<br>Absara       | 28.3886      | 79.65         | Rf<br>Mt | 09/01/2020<br>09/01/2020 |

| Sl.No | Site                  | State         | District     | HO/FF/<br>HOIW | River Tributary               | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------|---------------|--------------|----------------|-------------------------------|--------------|---------------|----------|--------------------------|
| 23.   | Kachlabridge          | Uttar Pradesh | Badaun       | HO/FF          | Ganga                         | 27.9319      | 78.8625       | Rf<br>Mt | 01/06/2000<br>01/06/2000 |
| 24.   | Kannauj<br>(Gurnatia) | Uttar Pradesh | Kannauj      | HO/FF          | Ganga                         | 27.0127      | 79.9841       | Rf<br>Mt | 01/06/2004<br>01/06/2004 |
| 25.   | Kanpur                | Uttar Pradesh | Kanpur Nagar | HO/FF          | Ganga                         | 26.4722      | 80.3787       | Rf<br>Mt | 01/02/2000<br>01/02/2000 |
| 26.   | Kasganj               | Uttar Pradesh | Etah         | HO             | Ganga / Kali                  | 27.7879      | 78.6253       | Rf<br>Mt | 24/09/2020<br>24/09/2020 |
| 27.   | Kasmara               | Uttar Pradesh | Mainpuri     | HO             | Ganga / Isan                  | 27.1271      | 79.2884       | Rf<br>Mt | 19/09/2020<br>19/09/2020 |
| 28.   | Lalganj               | Uttar Pradesh | Raebareli    | HO             | Ganga / Loni                  | 26.1113      | 80.9222       | Rf<br>Mt | 12/01/2020<br>12/01/2020 |
| 29.   | Lucknow               | Uttar Pradesh | Lucknow      | HO/FF          | Ganga / Gomti                 | 26.8611      | 80.9464       | Rf<br>Mt | 01/06/2004<br>01/06/2004 |
| 30.   | Maholi                | Uttar Pradesh | Sitapur      | HO             | Gomti / Kathr                 | 27.6624      | 80.4561       | Rf<br>Mt | 19/09/2020<br>19/09/2020 |
| 31.   | Maigalganj            | Uttar Pradesh | Hardoi       | HO             | Gomti                         | 27.7383      | 80.2672       | Rf<br>Mt | 19/09/2020<br>19/09/2020 |
| 32.   | Mirganj               | Uttar Pradesh | Bareilly     | HO             | Ganga / Ramganga /<br>Bhakhra | 28.5183      | 79.2514       | Rf<br>Mt | 09/09/2020<br>09/09/2020 |
| 33.   | Moradabad             | Uttar Pradesh | Moradabad    | HO/FF          | Ganga / Ramganga              | 28.8267      | 78.7981       | Rf<br>Mt | 01/01/1993<br>01/01/1993 |
| 34.   | Nagina                | Uttar Pradesh | Bijnaur      | HO             | Khoh                          | 29.4372      | 78.485        | Rf<br>Mt | 09/01/2020<br>09/01/2020 |

| Sl.No | Site           | State         | District     | HO/FF/<br>HOIW | River Tributary             | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|---------------|--------------|----------------|-----------------------------|--------------|---------------|----------|--------------------------|
| 35.   | Narora         | Uttar Pradesh | Bulandshahar | HO/FF          | Ganga                       | 28.1894      | 78.3962       | Rf<br>Mt | 06/06/2000<br>06/06/2000 |
| 36.   | Neemsar        | Uttar Pradesh | Sitapur      | HO             | Ganga / Gomti               | 27.355       | 80.4808       | Rf<br>Mt | 01/06/2003<br>01/06/2003 |
| 37.   | Pilibhit       | Uttar Pradesh | Pilibhit     | HO             | Ramganga / Deoha<br>(Garra) | 28.6181      | 79.7916       | Rf<br>Mt | 12/01/2020<br>12/01/2020 |
| 38.   | Purwamir       | Uttar Pradesh | Kanpur       | HO             | Ganga / Pandu               | 26.2         | 80.5394       | Rf<br>Mt | 09/11/2020<br>09/11/2020 |
| 39.   | Raebareli      | Uttar Pradesh | Raebareli    | HO/FF          | Ganga / Gomti / Sai         | 26.2034      | 81.2467       | Rf<br>Mt | 01/07/1986<br>01/07/1986 |
| 40.   | Rampur         | Uttar Pradesh | Rampur       | HO             | Ganga / Ramganga /<br>Kosi  | 31.4431      | 77.6279       | Rf<br>Mt | 01/01/1993<br>01/01/1993 |
| 41.   | Ramsanehighat  | Uttar Pradesh | Barabanki    | HO             | Gomti / Kalyani             | 26.7945      | 81.5598       | Rf<br>Mt | 09/09/2020<br>09/09/2020 |
| 42.   | Sandi          | Uttar Pradesh | Hardoi       | HO             | Ganga / Deoha<br>(Garrah)   | 27.2714      | 79.9517       | Rf<br>Mt | 25/09/2020<br>25/09/2020 |
| 43.   | Sehramau South | Uttar Pradesh | Shahjahanpur | HO             | Ramganga / Deoha<br>(Garra) | 27.7442      | 79.9278       | Rf<br>Mt | 24/09/2020<br>24/09/2020 |
| 44.   | Seohara        | Uttar Pradesh | Bijnaur      | HO             | Ramganga                    | 29.2389      | 78.6569       | Rf<br>Mt | 09/01/2020<br>09/01/2020 |
| 45.   | Shahjahanpur   | Uttar Pradesh | Shahjahanpur | HO             | Ganga / Deoha /<br>Khannaut | 27.8369      | 79.91         | Rf<br>Mt | 25/09/2020<br>25/09/2020 |
| 46.   | Shergarh       | Uttar Pradesh | Bareilly     | HO             | Ramganga / Kitchha          | 28.6814      | 79.3378       | Rf<br>Mt | 25/08/2020<br>25/08/2020 |

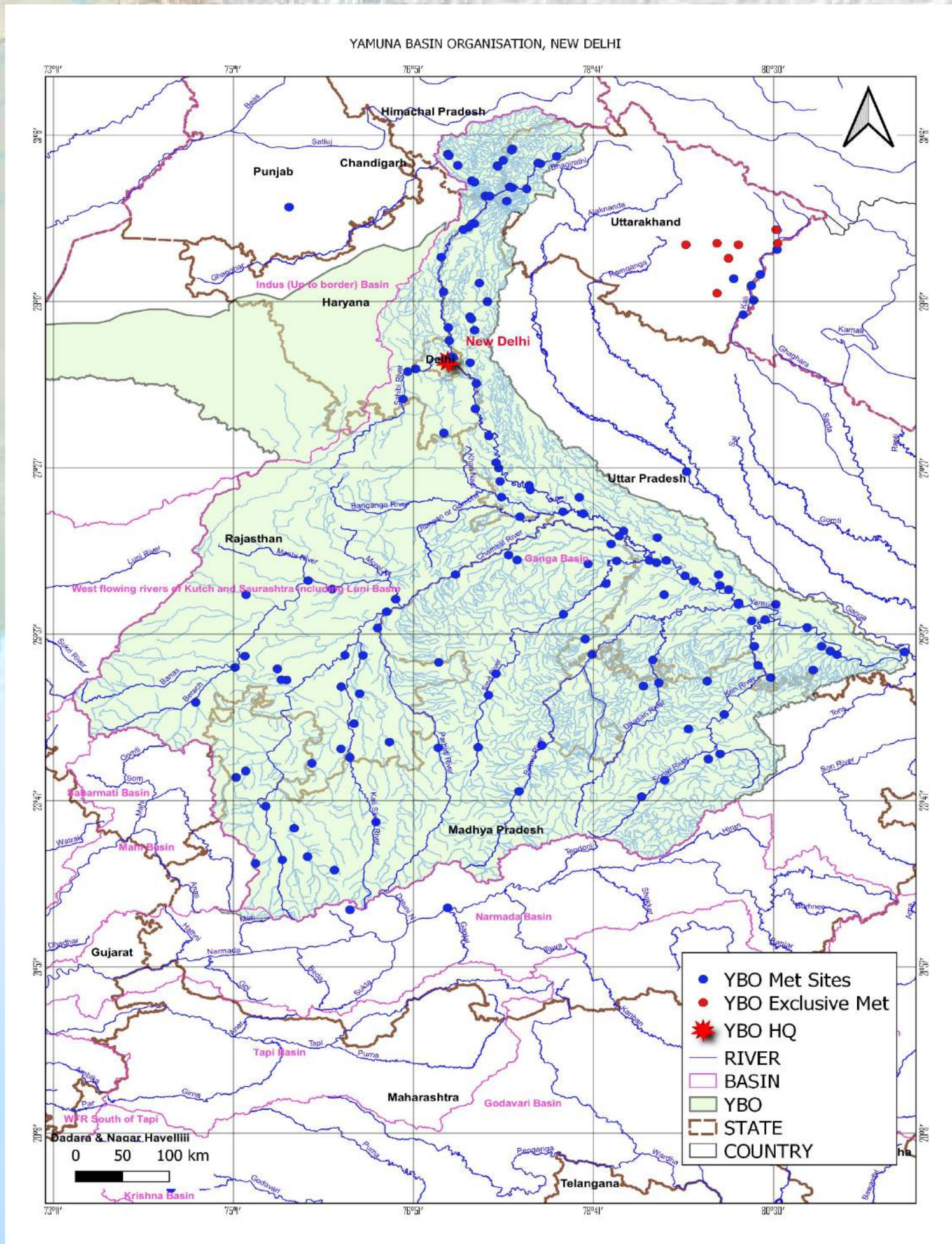
| Sl.No | Site                      | State         | District             | HO/FF/<br>HOIW | River Tributary               | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|---------------------------|---------------|----------------------|----------------|-------------------------------|--------------|---------------|----------|--------------------------|
| 47.   | Sitapur                   | Uttar Pradesh | Sitapur              | HO             | Gomti / Sarayan               | 27.5719      | 80.6856       | Rf<br>Mt | 19/09/2020<br>19/09/2020 |
| 48.   | Todarpur                  | Uttar Pradesh | Hardoi               | HO             | Ganga / Deoha /<br>Ukheta     | 27.5846      | 79.9952       | Rf<br>Mt | 25/09/2020<br>25/09/2020 |
| 49.   | Betalghat                 | Uttarakhand   | Almorah              | HO             | Ramganga / Kosi               | 29.5528      | 79.0347       | Rf<br>Mt | 11/11/2020<br>11/11/2020 |
| 50.   | Bhikyasen                 | Uttarakhand   | Almora               | HO             | Ganga / Ramganga              | 29.6972      | 79.2608       | Rf<br>Mt | 06/06/2004<br>06/06/2004 |
| 51.   | Fica Barrage              | Uttarakhand   | Udham Singh<br>Nagar | HO             | Ramganga / Phika              | 29.3038      | 78.7967       | Rf<br>Mt | 15/09/2020<br>15/09/2020 |
| 52.   | Garjiya                   | Uttarakhand   | Nainital             | HO             | Ramganga / Kosi               | 29.4869      | 79.1422       | Rf<br>Mt | 04/01/2020<br>04/01/2020 |
| 53.   | Kalagarh                  | Uttarakhand   | Pauri-Garhwal        | HO/FF          | Ganga / Ramganga              | 29.4967      | 78.7606       | Rf<br>Mt | 06/06/2005<br>06/06/2005 |
| 54.   | Kathgodam                 | Uttarakhand   | Nainital             | HO             | Ganga / Ramganga /<br>Kitchha | 29.2675      | 79.5482       | Rf<br>Mt | 11/01/2020<br>11/01/2020 |
| 55.   | Marachula                 | Uttarakhand   | Almora               | HO             | Ganga / Ramganga              | 29.606       | 79.0928       | Rf<br>Mt | 11/01/2020<br>11/01/2020 |
| 56.   | Naula                     | Uttarakhand   | Almora               | HO             | Ramganga                      | 29.7416      | 79.247        | Rf<br>Mt | 12/01/2020<br>12/01/2020 |
| 57.   | Ramnagar<br>Barrage D / S | Uttarakhand   | Naini Tal            | HO             | Ramganga / Kosi               | 29.1585      | 79.0389       | Rf<br>Mt | 21/11/2020<br>21/11/2020 |
| 58.   | Sitarganj                 | Uttarakhand   | Udham Singh<br>Nagar | HO             | Ramganga / Deoha<br>(Garra)   | 29.0389      | 79.7672       | Rf<br>Mt | 05/01/2022<br>05/01/2022 |

| Sl.No | Site      | State       | District | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------|-------------|----------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 59.   | Suyalbari | Uttarakhand | Nainital | HO             | Ramganga / Kosi | 29.54        | 79.5534       | Rf<br>Mt | 23/10/2020<br>23/10/2020 |

| Details of the Exclusive Meteorological Observation Stations |                                           |
|--------------------------------------------------------------|-------------------------------------------|
| Region                                                       | Upper Ganga Basin Organisation, Lucknow   |
| Circle                                                       | Hydrological Observation Circle, Dehradun |
| Division                                                     | Middle Ganga Division-II, Lucknow         |
| TOTAL NUMBER OF SITES-04                                     |                                           |
| Basin: Ganga                                                 |                                           |

| Sl.No | Site           | State       | District | HO/FF/<br>HOIW | River<br>Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|----------------|-------------|----------|----------------|--------------------|--------------|---------------|----------|---------------|
| 1.    | Chaukhutiya    | Uttarakhand | Almora   | Met            | -                  | 29.88472222  | 79.35138889   | Rf       | 01.05.2019    |
| 2.    | Dwarahat       | Uttarakhand | Almora   | Met            | -                  | 29.75630833  | 79.42761111   | Rf       | 01.04.2019    |
| 3.    | Deghat         | Uttarakhand | Almora   | Met            | -                  | 29.90104722  | 79.22480556   | Rf       | 01.04.2019    |
| 4.    | Dhoutiyal Road | Uttarakhand | Almora   | Met            | -                  | 29.75481944  | 79.74397222   | Rf       | 01.04.2019    |

# YAMUNA BASIN ORGANISATION

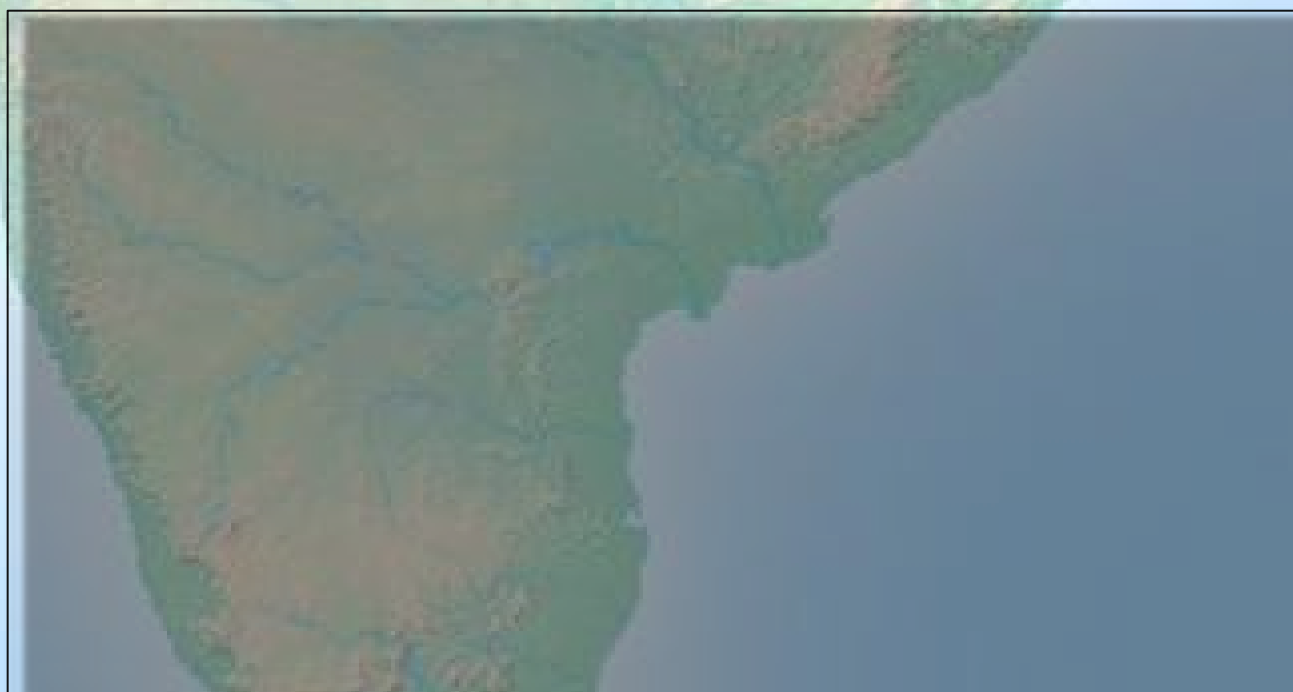




**DISCHARGE MEASUREMENT WITH THE HELP OF ADCP USING BOAT AT POIYA GHAT, GDSQ**



**HOURLY WATER LEVEL SAHIJINA GDSQ SITE DURING FLOOD EVENT AT RIVER BETWA**



**RAIGHAT (GQ) SITE UNDER LYD, AGRA. AT RIVER BETWA**

| Details of the Meteorological Observations on HO/FF Stations |                                                     |
|--------------------------------------------------------------|-----------------------------------------------------|
| Region                                                       | Yamuna Basin Organisation, New Delhi                |
| Circle                                                       | Hydrological Observation Circle, Vaishali(Dehradun) |
| Division                                                     | Chambal Division, Jaipur                            |
| TOTAL NUMBER OF SITES-34                                     |                                                     |
| Basin: Ganga                                                 |                                                     |

| Sl.No | Site                      | State          | District | HO/FF/<br>HOIW | River Tributary                            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|---------------------------|----------------|----------|----------------|--------------------------------------------|--------------|---------------|----------|---------------|
| 1.    | Agra Bombay Road Crossing | Madhya Pradesh | Guna     | HO             | Ganga / Yamuna / Chambal / Parwati         | 24.3658      | 77.0989       | Rf       | 16/01/1976    |
| 2.    | Astha                     | Madhya Pradesh | Sehore   | HO             | Ganga / Yamuna / Chambal / Parwati         | 23.0209      | 76.0448       | Rf       | 9/8/2016      |
| 3.    | Bangpura                  | Madhya Pradesh | Rajgarh  | HO             | Ganga / Yamuna / Chambal / Parwan / Chhapi | 24.6307      | 76.2434       | Rf       | 10/1/2014     |
| 4.    | Dhareri                   | Madhya Pradesh | Ujjain   | HO             | Ganga / Yamuna / Chambal                   | 23.1333      | 75.5147       | Mt       | 17/01/1976    |
| 5.    | Kateela                   | Madhya Pradesh | Sheopur  | HO             | Ganga / Yamuna / Chambal / Kuno            | 25.3054      | 77.1052       | Rf       | 11/1/2020     |
| 6.    | Mahidpur                  | Madhya Pradesh | Ujjain   | HO             | Ganga / Yamuna / Chambal / Shipra          | 23.4806      | 75.6364       | Rf       | 15/01/1976    |
| 7.    | Mandsaur                  | Madhya Pradesh | Mandsour | HO             | Ganga / Yamuna / Chambal / Shivna          | 24.0406      | 75.0456       | Rf       | 6/1/2019      |
| 8.    | Nahargarh                 | Madhya Pradesh | Mandsour | HO             | Ganga / Yamuna / Chambal / Shivna          | 24.1114      | 75.1422       | Rf       | 6/12/2005     |
| 9.    | Palwa                     | Madhya Pradesh | Ujjain   | HO             | Ganga / Yamuna / Chambal / Chamla          | 23.1638      | 75.4100       | Rf       | 10/1/2014     |

| Sl.No | Site      | State          | District       | HO/FF/<br>HOIW | River Tributary                               | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------|----------------|----------------|----------------|-----------------------------------------------|--------------|---------------|----------|---------------|
| 10.   | Sarangpur | Madhya Pradesh | Rajgarh        | HO             | Ganga / Yamuna / Chambal / Kalisindh          | 23.55        | 76.4672       | Rf       | 17/01/1976    |
| 11.   | Sonkatch  | Madhya Pradesh | Dewas          | HO             | Ganga / Yamuna / Chambal / Kalisindh          | 22.585       | 76.2035       | Rf       | 9/8/2016      |
| 12.   | Tal       | Madhya Pradesh | Ratlam         | HO             | Ganga / Yamuna / Chambal                      | 23.7233      | 75.3469       | Rf       | 18/01/1976    |
| 13.   | Tumri     | Madhya Pradesh | Mandsour       | HO             | Ganga / Yamuna / Chambal / Retam              | 24.1952      | 75.816        | Rf       | 13/06/2005    |
| 14.   | Ujjain    | Madhya Pradesh | Ujjain         | HO             | Ganga / Yamuna / Chambal / Shipra             | 23.1683      | 75.7711       | Rf       | 18/11/1976    |
| 15.   | Aklera    | Rajasthan      | Jhalawar       | HO             | Ganga / Yamuna / Chambal / Kalisindh / Parwan | 24.4297      | 76.6039       | Rf       | 8/2/1976      |
| 16.   | Anthera   | Rajasthan      | Bundi          | HO             | Ganga / Yamuna / Chambal / Mej / Ghodapacchad | 25.2339      | 75.464        | Rf       | 10/8/2014     |
| 17.   | Badodiya  | Rajasthan      | Jhalawar       | HO             | Ganga / Yamuna / Chambal / Ujar               | 24.2601      | 76.2026       | Rf       | 8/9/2014      |
| 18.   | Baranwada | Rajasthan      | Sawai-madhopur | HO             | Ganga / Yamuna / Chambal / Banas              | 26           | 76.6667       | Rf       | 26/12 1959    |

| Sl.No | Site          | State     | District          | HO/FF/<br>HOIW | River Tributary                                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|---------------|-----------|-------------------|----------------|---------------------------------------------------|--------------|---------------|----------|---------------|
| 19.   | Barod         | Rajasthan | Kota              | HO             | Ganga / Yamuna /<br>Chambal / Kalisindh           | 25.3833      | 76.3339       | Rf       | 9/5/1970      |
| 20.   | Bigod         | Rajasthan | Bhilwara          | HO             | Ganga / Yamuna /<br>Chambal / Banas               | 25.2506      | 75.035        | Rf       | 11/12/1976    |
| 21.   | Borkhandi     | Rajasthan | Kota              | HO             | Ganga / Yamuna /<br>Chambal / Chandralohi         | 25.1106      | 75.5606       | Rf       | 8/9/2016      |
| 22.   | Chittorgarh   | Rajasthan | Chittorgarh       | HO             | Ganga / Yamuna /<br>Chambal / Banas /<br>Gambhiri | 24.8667      | 74.6356       | Rf       | 19/11/1976    |
| 23.   | Devalia Khurd | Rajasthan | Ajmer             | HO             | Ganga / Yamuna /<br>Chambal / banas / Dai         | 26.0508      | 75.1459       | Rf       | 19/12/2016    |
| 24.   | Dubbi         | Rajasthan | Sawai<br>Madhopur | HO             | Ganga / Yamuna /<br>Chambal / banas               | 26.1121      | 76.0221       | Rf       | 11/12/2014    |
| 25.   | Jahajpur      | Rajasthan | Bhilwara          | HO             | Ganga / Yamuna /<br>Chambal / Banas               | 25.3748      | 75.1338       | Rf       | 9/10/2014     |
| 26.   | Khatoli       | Rajasthan | Kota              | HO             | Ganga / Yamuna /<br>Chambal / Parwati             | 25.6833      | 76.4833       | Rf       | 1/8/1971      |
| 27.   | Kota City     | Rajasthan | Kota              | HO             | Ganga / Yamuna /<br>Chambal                       | 25.1146      | 75.504        | Rf       | 11/1/2018     |
| 28.   | Lakheri       | Rajasthan | Bundi             | HO             | Ganga / Yamuna /<br>Chambal / Mej                 | 25.0378      | 76.114        | Rf       | 8/10/2016     |

| Sl.No | Site      | State     | District           | HO/FF/<br>HOIW | River Tributary                                     | Latitude(°N) | Longitude(°E) | Met Para | Date of Start |
|-------|-----------|-----------|--------------------|----------------|-----------------------------------------------------|--------------|---------------|----------|---------------|
| 29.   | Mandawara | Rajasthan | Kota               | HO             | Ganga / Yamuna /<br>Chambal                         | 25.3853      | 76.1519       | Rf       | 6/3/1981      |
| 30.   | Manderial | Rajasthan | Karauli            | HO             | Ganga / Yamuna /<br>Chambal                         | 26.2725      | 77.2753       | Rf       | 28/11/1982    |
| 31.   | Pali      | Rajasthan | Sawai-<br>madhopur | HO             | Ganga / Yamuna /<br>Chambal /                       | 25.8633      | 76.5767       | Rf       | 6/10/1963     |
| 32.   | Jhalawar  | Rajasthan | Jhalawar           | HO             | Ganga / Yamuna /<br>Chambal / Kalisindh             | 24.3527      | 76.1115       | Rf       | 6/1/2022      |
| 33.   | Sangod    | Rajasthan | Kota               | HO             | Ganga / Yamuna /<br>Chambal / Kalisindh /<br>Parwan | 24.9603      | 76.3011       | Rf       | 9/2/1970      |
| 34.   | Tonk      | Rajasthan | Tonk               | HO             | Ganga / Yamuna /<br>Chambal / Banas                 | 26.2061      | 75.7764       | Rf       | 26/10/1970    |

| Details of the Meteorological Observations on HO/FF Stations |                                                     |
|--------------------------------------------------------------|-----------------------------------------------------|
| Region                                                       | Yamuna Basin Organisation, New Delhi                |
| Circle                                                       | Hydrological Observation Circle, Vaishali(Dehradun) |
| Division                                                     | Lower Yamuna Division, Agra                         |
| TOTAL NUMBER OF SITES-63                                     |                                                     |
| Basin: Ganga                                                 |                                                     |

| Sl.No | Site           | State          | District    | HO/FF/<br>HOIW | River Tributary                     | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|----------------|-------------|----------------|-------------------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Bagchini       | Madhya Pradesh | Morena      | HO             | Yamuna / Sindh /<br>Kunwari         | 26.4858      | 77.8156       | Rf<br>Mt | 09/01/2014<br>09/01/2014 |
| 2.    | Barood         | Madhya Pradesh | Guna        | HO             | Yamuna / Sindh                      | 24.3719      | 77.5058       | Rf<br>Mt | 30/12/2016<br>30/12/2016 |
| 3.    | Basoda         | Madhya Pradesh | Vidisha     | HO             | Ganga / Yamuna /<br>Betwa           | 23.8872      | 77.9203       | Rf<br>Mt | 19/01/1976<br>19/01/1976 |
| 4.    | Bhind          | Madhya Pradesh | Bhind       | HO             | Ganga / Yamuna /<br>Sindh / Kunwari | 26.6078      | 78.8567       | Rf<br>Mt | 18/11/1970<br>18/11/1970 |
| 5.    | Bijroni        | Madhya Pradesh | Shiv Puri   | HO             | Yamuna / Sindh                      | 24.9447      | 77.6094       | Rf<br>Mt | 27/10/2016<br>27/10/2016 |
| 6.    | Chandpur Dabra | Madhya Pradesh | Gwalior     | HO             | Yamuna / Sindh                      | 25.83577     | 78.372        | Rf<br>Mt | 16/03/2016<br>16/03/2016 |
| 7.    | Devra          | Madhya Pradesh | Chhattarpur | HO             | Yamuna / Ken / Barana /<br>Shyamari | 24.5731      | 79.6431       | Rf<br>Mt | 25/11/2014<br>25/11/2014 |
| 8.    | Gaisabad       | Madhya Pradesh | Damoh       | HO             | Yamuna / Ken / Sonar /<br>Bearma    | 24.2425      | 79.8444       | Rf<br>Pe | 11/04/1974<br>11/04/1974 |
| 9.    | Garhakota      | Madhya Pradesh | Sagar       | HO             | Yamuna / Ken /<br>Sonar             | 23.8289      | 79.1667       | Rf<br>Mt | 04/04/1982<br>04/04/1982 |

| Sl.No | Site                 | State          | District    | HO/FF/<br>HOIW | River Tributary               | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------------|----------------|-------------|----------------|-------------------------------|--------------|---------------|----------|--------------------------|
| 10.   | Garrauli             | Madhya Pradesh | Chhatarpur  | HO             | Yamuna / Betwa / Dhasan       | 25.0807      | 79.3435       | Rf<br>Mt | 01/05/1982<br>01/05/1982 |
| 11.   | Gata                 | Madhya Pradesh | Bhind       | HO             | Yamuna / Sindh / Vesli        | 26.3882      | 78.6233       | Rf<br>Mt | 29/01/2016<br>29/01/2016 |
| 12.   | Jarena               | Madhya Pradesh | Morena      | HO             | Yamuna / Kunwari / Asan       | 26.4328      | 77.9021       | Rf<br>Mt | 30/11/2016<br>30/11/2016 |
| 13.   | Kurdhana             | Madhya Pradesh | Chhattarpur | HO             | Yamuna / Ken                  | 25.2731      | 80.3517       | Rf<br>Mt | 10/01/2014<br>10/01/2014 |
| 14.   | Lahchhuraghat        | Uttar Pradesh  | Jhansi      | HO             | Yamuna / Betwa / Dhasan       | 25.3332      | 79.2805       | Rf<br>Mt | 17/12/2016<br>17/12/2016 |
| 15.   | Madla                | Madhya Pradesh | Panna       | HO             | Yamuna / Ken                  | 24.7333      | 80.0067       | Rf<br>Mt | 17/03/1981<br>17/03/1981 |
| 16.   | Maidaghat            | Madhya Pradesh | Bhind       | HO             | Yamuna / Sindh                | 26.4214      | 78.9131       | Rf<br>Mt | 01/09/2014<br>01/09/2014 |
| 17.   | Narsinghgarh (Damoh) | Madhya Pradesh | Damoh       | HO             | Yamuna / ken / Sonar          | 24.0081      | 79.4014       | Rf<br>Mt | 10/01/2014<br>10/01/2014 |
| 18.   | Pachawali            | Madhya Pradesh | Shivpuri    | HO             | Yamuna / Sindh                | 25.1789      | 77.6869       | Rf<br>Mt | 21/08/1976<br>21/08/1976 |
| 19.   | Sanjay Nagar         | Madhya Pradesh | Teekamgarh  | HO             | Yamuna / Betwa / Dhasan / Urr | 25.0439      | 79.185        | Rf<br>Mt | 30/09/2016<br>30/09/2016 |

| Sl.No | Site           | State          | District    | HO/FF/<br>HOIW | River Tributary               | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|----------------|----------------|-------------|----------------|-------------------------------|--------------|---------------|----------------|----------------------------------------|
| 20.   | Sarva          | Madhya Pradesh | Bhind       | HO             | Yamuna / sindh / vesli / Pana | 26.4022      | 79.3189       | Rf<br>Mt       | 28/12/2016<br>28/12/2016               |
| 21.   | Seondha        | Madhya Pradesh | Datia       | HO             | Yamuna / Sindh                | 26.1718      | 78.8041       | Rf<br>Mt       | 18/09/1959<br>18/09/1959               |
| 22.   | Simerkhedi     | Madhya Pradesh | Ashok Nagar | HO             | Yamuna / Betwa                | 24.393611    | 78.15444      | Rf<br>Mt       | 08/01/2020<br>08/01/2020               |
| 23.   | Unao Balaji    | Madhya Pradesh | Datiya      | HO             | Yamuna / Sindh / Pahuj        | 25.5625      | 78.5928       | Rf<br>Mt       | 30/09/2016<br>30/09/2016               |
| 24.   | Baretha        | Rajasthan      | Dholpur     | HO             | Yamuna / Uttangan             | 26.9081      | 77.93         | Rf<br>Mt       | 29/10/2016<br>29/10/2016               |
| 25.   | Dholpur        | Rajasthan      | Dholpur     | HO / FF        | Yamuna / Chambal              | 22.6058      | 77.1956       | Rf<br>Mt<br>Pe | 16/01/1976<br>16/01/1976<br>16/01/1976 |
| 26.   | Jawahar Bridge | Uttar Pradesh  | Agra (J.B)  | FF / HO        | Yamuna                        | 27.2039      | 78.035        | Rf<br>Mt       | 15/06/1977<br>15/06/1977               |
| 27.   | Poiyaghat      | Uttar Pradesh  | Agra (P.G)  | HO             | Yamuna                        | 27.2542      | 78.0231       | Rf<br>Mt       | 09/01/1976<br>09/01/1976               |
| 28.   | Arnota         | Uttar Pradesh  | Agra        | HO             | Yamuna / Uttangan             | 26.9628      | 78.3672       | Rf<br>Mt       | 18/11/1970<br>18/11/1970               |
| 29.   | Auraiya        | Uttar Pradesh  | Auraiya     | HO / FF        | Yamuna                        | 26.4272      | 79.4181       | Rf<br>Mt       | 21/02/1976<br>21/02/1976               |

| Sl.No | Site       | State          | District     | HO/FF/<br>HOIW | River Tributary     | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------|----------------|--------------|----------------|---------------------|--------------|---------------|----------|--------------------------|
| 30.   | Badausa    | Uttar Pradesh  | Banda        | HO             | Yamuna / Baghain    | 25.4814      | 80.3122       | Rf<br>Mt | 27/10/2016<br>27/10/2016 |
| 31.   | Banda      | Uttar Pradesh  | Banda        | HO / FF        | Yamuna / Ken        | 25.4833      | 80.3133       | Rf<br>Mt | 05/04/1959<br>05/04/1959 |
| 32.   | Barcha     | Uttar Pradesh  | Banda        | HO             | Yamuna / baghain    | 25.1394      | 80.4783       | Rf<br>Mt | 29/12/2016<br>29/12/2016 |
| 33.   | Bateswar   | Uttar Pradesh  | Agra         | HO             | Yamuna              | 26.9417      | 78.5733       | Rf<br>Mt | 27/10/2016<br>27/10/2016 |
| 34.   | Behmai     | Uttar Pradesh  | Kanpur Dehat | HO             | Yamuna              | 26.2572      | 79.6081       | Rf<br>Mt | 30/11/2016<br>30/11/2016 |
| 35.   | Tighara    | Madhya Pradesh | Panna        | HO             | Yamuna / ken / Kyan | 24.2986      | 79.965        | Rf<br>Mt | 30/12/2016<br>30/12/2016 |
| 36.   | Bulakipura | Uttar Pradesh  | Auriaya      | HO             | Yamuna / Sengar     | 26.6783      | 79.3283       | Rf<br>Mt | 01/08/2014<br>01/08/2014 |
| 37.   | Chillaghat | Uttar Pradesh  | Banda        | HO / FF        | Yamuna              | 25.95        | 80.15         | Rf<br>Mt | 07/01/1971<br>07/01/1971 |
| 38.   | Etawah     | Uttar Pradesh  | Etawah       | HO / FF        | Yamuna              | 26.75        | 78.9833       | Rf       | 1/5/1959                 |
| 39.   | Hamirpur   | Uttar Pradesh  | Hamirpur     | HO / FF        | Yamuna              | 25.9602      | 80.1539       | Rf<br>Mt | 01/04/1959<br>01/04/1959 |

| Sl.No | Site       | State         | District     | HO/FF/<br>HOIW | River Tributary                    | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------|---------------|--------------|----------------|------------------------------------|--------------|---------------|----------|--------------------------|
| 40.   | Juhikha    | Uttar Pradesh | Jalaun       | HO             | Yamuna / Sindh /<br>kunwari / Asan | 26.4264      | 79.2458       | Rf<br>Mt | 15/12/2016<br>15/12/2016 |
| 41.   | Kaimaha    | Uttar Pradesh | Hamirpur     | HO             | Yamuna / Ken /<br>Urmil            | 25.0989      | 79.8333       | Rf<br>Mt | 01/07/1982<br>01/07/1982 |
| 42.   | Kaithi     | Uttar Pradesh | Hamirpur     | HO             | Yamuna / chandrawal                | 25.7636      | 80.2864       | Rf<br>Mt | 10/01/2014<br>10/01/2014 |
| 43.   | Kalpi      | Uttar Pradesh | Jalaun       | HO / FF        | Yamuna                             | 26.2         | 79.7          | Rf<br>Mt | 01/01/1982<br>01/01/1982 |
| 44.   | Karwi      | Uttar Pradesh | Chitrakoot   | HO             | Yamuna / Paisuni                   | 25.2211      | 80.9114       | Rf<br>Mt | 29/09/2016<br>29/09/2016 |
| 45.   | Kirawali   | Uttar Pradesh | Agra         | HO             | Yamuna / Utangan /<br>Khari        | 27.1239      | 77.7428       | Rf<br>Mt | 01/08/2014<br>01/08/2014 |
| 46.   | Kora       | Uttar Pradesh | Fatehpur     | HO             | Yamuna / Rind                      | 26.1061      | 80.0505       | Rf<br>Mt | 18/07/1970<br>18/07/1970 |
| 47.   | Lalpur     | Uttar Pradesh | Kanpur Dehat | HO             | Yamuna / Sengar                    | 26.2714      | 79.95         | Rf<br>Mt | 13/07/1970<br>13/07/1970 |
| 48.   | Lamyari    | Uttar Pradesh | Chitrakoot   | HO             | Yamuna / Baghain                   | 25.4822      | 80.9958       | Rf<br>Mt | 16/12/2016<br>16/12/2016 |
| 49.   | Mansoorpur | Uttar Pradesh | Fatehpur     | HO             | Yamuna / Rind                      | 25.9455      | 80.5314       | Rf<br>Mt | 08/01/2014<br>08/01/2014 |

| Sl.No | Site             | State         | District     | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|------------------|---------------|--------------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 50.   | Marka            | Uttar Pradesh | Banda        | HO             | Yamuna          | 25.6875      | 80.8511       | Rf<br>Mt | 15/12/2016<br>15/12/2016 |
| 51.   | Mohana           | Uttar Pradesh | Jalaun       | HO / FF        | Yamuna / Betwa  | 19.4447      | 84.2614       | Rf<br>Mt | 25/12/1983<br>25/12/1983 |
| 52.   | Moosa Nagar      | Uttar Pradesh | Kanpur Dehat | HO             | Yamuna          | 26.1519      | 79.9642       | Rf<br>Mt | 28/10/2016<br>28/10/2016 |
| 53.   | Naini            | Uttar Pradesh | Prayagraj    | HO / FF        | Yamuna          | 25.4208      | 81.8397       | Rf<br>Mt | 17/03/1971<br>17/03/1971 |
| 54.   | Nautghat         | Uttar Pradesh | Jhansi       | HO             | Yamuna / Betwa  | 25.3919      | 78.6639       | Rf<br>Mt | 01/07/1980<br>01/07/1980 |
| 55.   | Orai-2 Mangrayan | Uttar Pradesh | Jaloun       | HO             | Yamuna / Noon   | 26.0497      | 79.3961       | Rf<br>Mt | 20/11/2014<br>20/11/2014 |
| 56.   | Pailanidera      | Uttar Pradesh | Fatehpur     | HO             | Yamuna / ken    | 25.7764      | 80.4217       | Rf<br>Mt | 15/03/2016<br>15/03/2016 |
| 57.   | Pratappur        | Uttar Pradesh | Prayagraj    | HO             | Yamuna          | 19.5193      | 74.384        | Rf<br>Mt | 01/05/1959<br>01/05/1959 |
| 58.   | Rajapur          | Uttar Pradesh | Chitrakoot   | HO             | Yamuna          | 25.3897      | 81.1542       | Rf<br>Mt | 30/12/1976<br>30/12/1976 |
| 59.   | Rajghat          | Uttar Pradesh | Lalitpur     | HO             | Yamuna / Betwa  | 21.7678      | 87.1642       | Rf<br>Mt | 21/11/1970<br>21/11/1970 |

| Sl.No | Site        | State         | District   | HO/FF/<br>HOIW | River Tributary            | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-------------|---------------|------------|----------------|----------------------------|--------------|---------------|----------|--------------------------|
| 60.   | Rupas Nagar | Uttar Pradesh | Firozabad  | HO             | Yamuna / Sengar /<br>Sirsa | 27.1217      | 78.5328       | Rf<br>Mt | 27/10/2016<br>27/10/2016 |
| 61.   | Sahijana    | Uttar Pradesh | Hamirpur   | HO / FF        | Yamuna / Betwa             | 25.9447      | 80.1478       | Rf<br>Mt | 06/08/1959<br>06/08/1959 |
| 62.   | Sardhua     | Uttar Pradesh | Chitrakoot | HO             | Yamuna / paisuni           | 25.4306      | 81.0836       | Rf<br>Mt | 17/12/2016<br>17/12/2016 |
| 63.   | Udi         | Uttar Pradesh | Etawah     | HO             | Yamuna / Chambal           | 26.6964      | 78.9378       | Rf<br>Mt | 21/06/1959<br>21/06/1959 |

| Details of the Meteorological Observations on HO/FF Stations |                                      |
|--------------------------------------------------------------|--------------------------------------|
| Region                                                       | Yamuna Basin Organisation, New Delhi |
| Circle                                                       | Plannng Circle, Faridabad            |
| Division                                                     | P&ID, Faridabad                      |
| TOTAL NUMBER OF SITES-06                                     |                                      |
| Basin: Ganga                                                 |                                      |

| Sl.No | Site        | State       | District    | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|-------------|-------------|-------------|----------------|-----------------|--------------|---------------|----------------|----------------------------------------|
| 1.    | Dharchula   | Uttarakhand | Pithoragarh | HOIW           | Mahakali        | 29.8464      | 80.5433       | Mt             | 13/06/1983                             |
| 2.    | Jhulaghat   | Uttarakhand | Pithoragarh | HOIW           | Mahakali        | 29.5739      | 80.3731       | Mt             | 15/07/1983                             |
| 3.    | Pancheshwar | Uttarakhand | Champawat   | HOIW           | Mahakali        | 29.4514      | 80.2833       | Rf<br>Mt<br>Pe | 08/05/1982<br>15/05/1982<br>01/11/1982 |
| 4.    | Purnagiri   | Uttarakhand | Champawat   | HOIW           | Mahakali        | 29.1303      | 80.1986       | Rf             | 15/09/2001                             |
| 5.    | Rameshwar   | Uttarakhand | Champawat   | HOIW           | Saryu           | 29.5264      | 80.1025       | Rf<br>Mt       | 16/06/1983<br>16/06/1983               |
| 6.    | Rupaligad   | Uttarakhand | Champawat   | HOIW           | Mahakali        | 29.2889      | 80.3061       | Rf<br>Pe       | 01/08/2000<br>01/08/2000               |

| Details of the Exclusive Meteorological Observations on HO/FF Stations |                                      |
|------------------------------------------------------------------------|--------------------------------------|
| Region                                                                 | Yamuna Basin Organisation, New Delhi |
| Circle                                                                 | Plannng Circle, Faridabad            |
| Division                                                               | P&ID, Faridabad                      |
| TOTAL NUMBER OF SITES-07                                               |                                      |
| Basin: Ganga                                                           |                                      |

| Sl.No | Site           | State       | District  | HO/FF/<br>HOIW | River Tributary | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|----------------|-------------|-----------|----------------|-----------------|--------------|---------------|----------|--------------------------|
| 1.    | Baijnath       | Uttarakhand | Bageshwar | HOIW           | N/A             | 29.9000      | 79.6167       | Rf       | 28/05/1982               |
| 2.    | Pharsali       | Uttarakhand | Bageshwar | HOIW           | N/A             | 29.9167      | 79.9333       | Rf       | 29/05/1982               |
| 3.    | Tejam (Thal)   | Uttarakhand | Pithogarh | HOIW           | N/A             | 29.9000      | 80.1500       | Rf       | 04-06-1982               |
| 4.    | Khetikhan      | Uttarakhand | Champawat | HOIW           | N/A             | 29.3667      | 79.9333       | Rf       | 05-07-1982               |
| 5.    | Berinag        | Uttarakhand | Pithogarh | HOIW           | N/A             | 29.7500      | 80.0500       | Rf       | 23/01/1983               |
| 6.    | Narayan Ashram | Uttarakhand | Pithogarh | HOIW           | N/A             | 29.9167      | 80.5500       | Rf<br>Sf | 24/11/1982<br>24/11/1982 |
| 7.    | Tejam (Sobla)  | Uttarakhand | Pithogarh | HOIW           | N/A             | 30.0667      | 80.5333       | Rf<br>Sf | 01/06/198<br>11/11/1982  |

| Details of the Meteorological Observations on HO/FF Stations |                                                     |
|--------------------------------------------------------------|-----------------------------------------------------|
| Region                                                       | Yamuna Basin Organisation, New Delhi                |
| Circle                                                       | Hydrological Observation Circle, Vaishali(Dehradun) |
| Division                                                     | Upper Yamuna Division, New Delhi                    |
| TOTAL NUMBER OF SITES-46                                     |                                                     |
| Basin: Ganga                                                 |                                                     |

| Sl.No | Site                      | State   | District            | HO/FF/<br>HOIW | River Tributary             | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|---------------------------|---------|---------------------|----------------|-----------------------------|--------------|---------------|----------|--------------------------|
| 1.    | Delhi Rly Bridge          | Delhi   | North Delhi         | HO / FF        | Ganga / Yamuna              | 28.6626      | 77.2489       | Rf<br>Mt | 01/01/1981<br>01/01/1981 |
| 2.    | Dhansa<br>(Seasonal Site) | Delhi   | South West<br>Delhi | HO             | Ganga / Yamuna / Sahibi     | 28.5344      | 76.8706       | Rf       | 7/1/1978                 |
| 3.    | Palla                     | Delhi   | North West<br>Delhi | HO             | Ganga / Yamuna              | 28.8453      | 77.2126       | Rf<br>Mt | 06/01/1999<br>06/01/1999 |
| 4.    | Dadri<br>(Seasonal Site)  | Haryana | Jhajjar             | HO             | Ganga / Yamuna /<br>Sahibi  | 28.5047      | 76.7903       | Rf<br>Mt | 07/01/1978<br>07/01/1978 |
| 5.    | Fatehgarh                 | Haryana | Bhiwani             | HO             | Ganga / Yamuna / Somb       | 27.4042      | 79.625        | Rf<br>Mt | 07/01/2019<br>07/01/2019 |
| 6.    | Ghodopipli                | Haryana | Yamuna Nagar        | HO             | Ganga / Yamuna /<br>Maskara | 30.0907      | 77.4084       | Rf<br>Mt | 07/01/2019<br>07/01/2019 |
| 7.    | Karnal                    | Haryana | Karnal              | HO             | Ganga / Yamuna              | 29.7622      | 77.1316       | Rf<br>Mt | 01/01/1976<br>01/01/1976 |
| 8.    | Manjhawali                | Haryana | Faridabad           | HO             | Ganga / Yamuna              | 28.3732      | 77.4883       | Rf<br>Mt | 07/01/2019<br>07/01/2019 |

| Sl.No | Site                  | State            | District     | HO/FF/<br>HOIW | River Tributary                | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|-----------------------|------------------|--------------|----------------|--------------------------------|--------------|---------------|----------|--------------------------|
| 9.    | Masani (Seasonal)     | Haryana          | Rewari       | HO             | Ganga / Yamuna / Sahibi        | 28.2013      | 76.7438       | Rf       | 6/1/2014                 |
| 10.   | Mohna                 | Haryana          | Faridabad    | HO             | Ganga / Yamuna                 | 19.4447      | 84.2614       | Rf<br>Mt | 01/11/1983<br>01/11/1983 |
| 11.   | Piprauli              | Haryana          | Nuh          | HO             | Ganga / Yamuna / Ujjana Drain  | 27.8281      | 77.1581       | Rf<br>Mt | 01/09/2019<br>01/09/2019 |
| 12.   | Rahimpur              | Haryana          | Palwal       | HO             | Ganga / Yamuna                 | 28.0948      | 77.4772       | Rf<br>Mt | 31/05/2019<br>31/05/2019 |
| 13.   | Tajewala / Hathnikund | Haryana          | Yamuna Nagar | HO / FF        | Ganga / Yamuna                 | 30.3142      | 75.585        | Rf<br>Mt | 13/05/2014<br>13/05/2014 |
| 14.   | Dadahu (Renuka)       | Himachal Pradesh | Sirmaur      | HO             | Ganga / Yamuna / Giri          | 30.6044      | 77.4411       | Mt       | 1/1/2019                 |
| 15.   | Ganguwala             | Himachal Pradesh | Sirmaur      | HO             | Ganga / Yamuna / Bata          | 30.4355      | 77.5779       | Rf<br>Mt | 18/06/2019<br>18/06/2019 |
| 16.   | Gaura                 | Himachal Pradesh | Solan        | HO             | Ganga / Yamuna / Giri / Ashani | 30.8967      | 77.1972       | Rf<br>Mt | 15/02/2018<br>15/02/2018 |
| 17.   | Jateon Barrage        | Himachal Pradesh | Nahan        | HO/FF          | Ganga / Yamuna                 | 30.5876      | 77.4685       | Rf       | 8/1/1981                 |
| 18.   | Kheri                 | Himachal Pradesh | Sirmaur      | HO             | Ganga / Yamuna / Giri          | 30.7733      | 77.2983       | Rf<br>Mt | 10/01/2018<br>10/01/2018 |

| Sl.No | Site                    | State            | District   | HO/FF/<br>HOIW | River Tributary              | Latitude(°N) | Longitude(°E) | Met Para       | Date of Start                          |
|-------|-------------------------|------------------|------------|----------------|------------------------------|--------------|---------------|----------------|----------------------------------------|
| 19.   | Meenus (Khad)           | Himachal Pradesh | Sirmaour   | HO             | Ganga / Yamuna / Tons / Khad | 30.7673      | 77.6987       | Rf<br>Mt       | 01/01/2019<br>01/01/2019               |
| 20.   | Meenus (Tons)           | Himachal Pradesh | Sirmaour   | HO             | Ganga / Yamuna / Tons        | 30.7616      | 77.705        | Rf<br>Mt       | 07/02/2019<br>07/02/2019               |
| 21.   | Paonta                  | Himachal Pradesh | Simaour    | HO / FF        | Ganga / Yamuna               | 30.4344      | 77.6228       | Rf<br>Mt       | 16/10/1978<br>16/10/1978               |
| 22.   | Yashwant Nagar          | Himachal Pradesh | Simaour    | HO             | Ganga / Yamuna / Giri        | 30.8822      | 77.2094       | Rf<br>Mt       | 08/02/1976<br>08/02/1976               |
| 23.   | Baghpat                 | Uttar Pradesh    | Baghpat    | HO             | Ganga / Yamuna               | 28.988       | 77.2027       | Rf<br>Mt       | 01/01/1976<br>01/01/1976               |
| 24.   | Baleni                  | Uttar Pradesh    | Baghpat    | HO             | Ganga / Yamuna / Hindon      | 28.9589      | 77.4701       | Rf<br>Mt       | 31/05/2019<br>31/05/2019               |
| 25.   | Galeta                  | Uttar Pradesh    | Meerut     | HO             | Ganga / Yamuna / Hindon      | 29.0824      | 77.4373       | Rf<br>Mt<br>Ar | 05/01/1976<br>05/01/1976<br>05/01/1976 |
| 26.   | Gokul Barrage (Mathura) | Uttar Pradesh    | Mathura    | HO             | Ganga / Yamuna               | 27.4426      | 77.7137       | Rf<br>Mt       | 06/01/2006<br>06/01/2006               |
| 27.   | Kalanaur                | Uttar Pradesh    | Saharanpur | HO / FF        | Ganga / Yamuna               | 30.0678      | 77.354        | Rf<br>Mt       | 28/10/1975<br>28/10/1975               |
| 28.   | Mathura (Prayag Ghat)   | Uttar Pradesh    | Mathura    | HO/FF          | Ganga / Yamuna               | 27.5041      | 77.6872       | Mt             | 4/1/1974                               |

| Sl.No | Site                | State         | District          | HO/FF/<br>HOIW | River Tributary                   | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|---------------------|---------------|-------------------|----------------|-----------------------------------|--------------|---------------|----------|--------------------------|
| 29.   | Mawi                | Uttar Pradesh | Muzaffar Nagar    | HO / FF        | Ganga / Yamuna                    | 29.3825      | 77.1545       | Rf<br>Mt | 01/01/1976<br>01/01/1976 |
| 30.   | NOIDA               | Uttar Pradesh | Gautam Budh Nagar | HO             | Ganga / Yamuna / Hindon           | 28.6021      | 77.4242       | Rf<br>Mt | 07/01/2019<br>07/01/2019 |
| 31.   | Panchkuan           | Uttar Pradesh | Saharanpur        | HO             | Ganga / Yamuna / Budi Yamuna      | 30.1312      | 77.4671       | Rf<br>Mt | 08/01/2019<br>08/01/2019 |
| 32.   | Parkham             | Uttar Pradesh | Mathura           | HO             | Ganga / Yamuna / Govardhan Drain  | 27.2969      | 77.7282       | Rf<br>Mt | 31/05/2019<br>31/05/2019 |
| 33.   | Ratanpuri           | Uttar Pradesh | Muzaffar Nagar    | HO             | Ganga / Yamuna / Hindon / Kali    | 29.2732      | 77.6001       | Rf<br>Mt | 31/05/2019<br>31/05/2019 |
| 34.   | Shekhpura (Barnawa) | Uttar Pradesh | Baghpat           | HO             | Ganga / Yamuna / Hindon / Krashni | 29.1075      | 77.4216       | Mt       | 6/1/2019                 |
| 35.   | Shergarh            | Uttar Pradesh | Mathura           | HO             | Ganga / Yamuna                    | 27.7967      | 77.6146       | Rf<br>Mt | 31/05/2019<br>31/05/2019 |
| 36.   | Titawi              | Uttar Pradesh | Muzaffar Nagar    | HO             | Ganga / Yamuna / Hindon           | 29.4773      | 77.5182       | Rf<br>Mt | 31/05/2019<br>31/05/2019 |
| 37.   | Atal                | Uttarakhand   | Dehradun          | HO             | Ganga / Yamuna / Shalini          | 30.8272      | 77.7612       | Rf<br>Mt | 25/06/2019<br>25/06/2019 |
| 38.   | Haripur             | Uttarakhand   | Dehradun          | HO/FF          | Ganga / Yamuna / Tons             | 30.5372      | 77.8259       | Rf<br>Mt | 01/01/1988<br>01/01/1988 |

| Sl.No | Site                     | State       | District      | HO/FF/<br>HOIW | River Tributary                  | Latitude(°N) | Longitude(°E) | Met Para | Date of Start            |
|-------|--------------------------|-------------|---------------|----------------|----------------------------------|--------------|---------------|----------|--------------------------|
| 39.   | Kalsi                    | Uttarakhand | Dehradun      | HO             | Ganga / Yamuna /<br>Amlav        | 30.527       | 77.8529       | Rf<br>Mt | 25/06/2019<br>25/06/2019 |
| 40.   | Kuthnaur                 | Uttarakhand | Dehradun      | HO             | Ganga / Yamuna                   | 30.874       | 78.3029       | Rf<br>Mt | 13/06/2019<br>13/06/2019 |
| 41.   | Naugaon                  | Uttarakhand | Uttarakashi   | HO / FF        | Ganga / Yamuna                   | 30.7917      | 78.1383       | Rf<br>Mt | 19/11/1981<br>19/11/1981 |
| 42.   | Purola                   | Uttarakhand | Uttarkashi    | HO             | Ganga / Yamuna /<br>Kamal        | 30.7981      | 78.115        | Rf<br>Mt | 13/06/2019<br>13/06/2019 |
| 43.   | Sabhawala                | Uttarakhand | Dehradun      | HO             | Ganga / Yamuna /<br>Aasan        | 30.3811      | 77.7967       | Rf<br>Mt | 06/01/2019<br>06/01/2019 |
| 44.   | Tuini (Pabar)            | Uttarakhand | Dehradun      | HO             | Ganga / Yamuna /<br>Tons / Pabar | 30.9548      | 77.853        | Mt       | 6/1/1976                 |
| 45.   | Tuini (Tons)             | Uttarakhand | Dehradun      | HO / FF        | Ganga / Yamuna /<br>Tons         | 30.9397      | 77.8467       | Rf<br>Mt | 06/01/1976<br>06/01/1976 |
| 46.   | Aglarpul<br>(Yamuna Pul) | Uttarakhand | Tehri Garhwal | HO             | Ganga / Yamuna /<br>Aglar        | 30.5135      | 77.9992       | Rf<br>Mt | 13/06/2019<br>13/06/2019 |

## **MET/Excl. MET BOOK PUBLISHING TEAM-CWC OFFICIALS**

| Sl. No | Name and Designation of Official                                                     |                                                                                       |
|--------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.     | Shri D. P. Mathuria<br>Chief Engineer (P&DO), CWC                                    |    |
| 2.     | Shri Rajesh Kumar<br>Director, River Data Compilation I Dte                          |    |
| 3.     | Sh. Pankaj Kumar Sharma<br>Director, River Data Compilation II Dte                   |    |
| 4.     | Sh. Satish Jain<br>Deputy Director, River Data Compilation II Dte                    |   |
| 5.     | Sh. P. Karthigayan<br>Deputy Director, River Data Compilation II Dte                 |  |
| 6.     | Shri Saurabh Kumar<br>Assistant Director, River Data Compilation II Dte              |  |
| 7.     | Shri. Anurag Verma<br>Assistant Director, River Data Compilation II Dte              |  |
| 8.     | Shri Rajesh Kumar<br>Assistant Research Officer, River Data Compilation II Dte       |  |
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| S. No. | Abbreviation Used    | Full Form                                               |
|--------|----------------------|---------------------------------------------------------|
| 1.     | BBO                  | Brahmaputra Basin Organization                          |
| 2.     | BOBO                 | Barak & Other Basin Organisation                        |
| 3.     | BTAD                 | Bodoland Territorial Autonomous District                |
| 4.     | C.S.                 | Cross Section                                           |
| 5.     | CSRO                 | Cauvery & Southern Rivers Organisation                  |
| 6.     | CWC                  | Central Water Commission                                |
| 7.     | D&NH and D&D         | Dadar & Nagar Haveli and Daman & Diu                    |
| 8.     | D/S                  | Downstream                                              |
| 9.     | EFR                  | East Flowing Rivers                                     |
| 10.    | Excl. Met            | Exclusive Meteorological station                        |
| 11.    | F.F.                 | Flood Forecasting                                       |
| 12.    | G                    | Gauge                                                   |
| 13.    | GD                   | Gauge & Discharge                                       |
| 14.    | GDS                  | Gauge, Discharge & Silt                                 |
| 15.    | GDSQ                 | Gauge, Discharge, Silt & Quality                        |
| 16.    | Guwahati D. C. Court | Guwhati Depty Commissioner Court                        |
| 17.    | H.O.                 | Hydrological Observation                                |
| 18.    | HEP                  | Hydro Electric Project                                  |
| 19.    | HOIW                 | Hydrological Observation & Investigation Works          |
| 20.    | IBO                  | Indus Basin Organisation                                |
| 21.    | KGBO                 | Krishna & Godavari Basin Organisation                   |
| 22.    | LGBO                 | Lower Ganga Basin Organisation                          |
| 23.    | MBD                  | Middle Brahmaputra Division                             |
| 24.    | MCO                  | Monitoring Central Organisation                         |
| 25.    | MERO                 | Mahanadi & Eastern Rivers Organisation                  |
| 26.    | Met                  | Meteorological                                          |
| 27.    | MGD                  | Middle Ganga Division                                   |
| 28.    | MSO                  | Monitoring South Organisation                           |
| 29.    | MTBO                 | Mahi & Tapi Basin Organisation                          |
| 30.    | N. T. Road crossing  | North Lakhimpur Tezpur Road crossing                    |
| 31.    | NBO                  | Narmada Basin Organisation                              |
| 32.    | NEID                 | North Eastern Investigation Division                    |
| 33.    | NH                   | National Highway                                        |
| 34.    | P&DO                 | Planning & Development Organisation                     |
| 35.    | Rd. Bridge           | Road Bridge                                             |
| 36.    | RDC                  | River Data Compilation                                  |
| 37.    | RM Wing              | River Management Wing                                   |
| 38.    | Sq.km                | Square Kilometer                                        |
| 39.    | T&BDBO               | Teesta & Bhagirathi Damodar Basin Organisation          |
| 40.    | U/S                  | Upstream                                                |
| 41.    | UGBO                 | Upper Ganga Basin Organisation                          |
| 42.    | WFR                  | West Flowing Rivers                                     |
| 43.    | WR, RD & GR          | Water Resources, River Development & Ganga Rejuvenation |
| 44.    | YBO                  | Yamuna Basin Organisation                               |