# BRIEF NOTE ON STORAGE STATUS OF 91 RESERVOIRS IN THE COUNTRY (WITH REFERENCE TO RESERVOIR STORAGE BULLETIN OF 23.03.2016)

#### 1. ALL INDIA STATUS

Central Water Commission is monitoring live storage status of 91 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 37 reservoirs have hydropower benefit with installed capacity of more than 60 MW. The total live storage capacity of these 91 reservoirs is 157.799 BCM which is about 62% of the live storage capacity of 253.388 BCM which is estimated to have been created in the country. As per reservoir storage bulletin dated 23.03.2016, live storage available in these reservoirs is 41.643 BCM, which is 26% of total live storage capacity of these reservoirs. This storage is 69% of the storage of corresponding period of last year and 75% of storage of average of last ten years.

As per Table-01, the overall storage position is **less than the** corresponding period of last year in the country as a whole and is also **less than the** average storage of last ten years during the corresponding period.

### 2. REGION WISE STORAGE STATUS:

# a) NORTHERN REGION

The northern region includes States of Himachal Pradesh, Punjab and Rajasthan. There are 6 reservoirs under CWC monitoring having total live storage capacity of 18.01 BCM. As per Reservoir Storage Bulletin dated 23.03.2016, the total live storage available in these reservoirs is 4.57 BCM which is 25% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 32% and average storage of last ten years during corresponding period was 31% of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year and is also less than the average storage of last ten years during the corresponding period.

# b) EASTERN REGION

The Eastern region includes States of Jharkhand, Odisha, West Bengal and Tripura. There are 15 reservoirs under CWC monitoring having total live storage capacity of 18.83 BCM. As per Reservoir Storage Bulletin dated 23.03.2016, the total live storage available in these reservoirs is 7.55 BCM which is 40% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 52% and average storage of last ten years during corresponding period was 45% of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year and is also less than the average storage of last ten years during the corresponding period.

### c) WESTERN REGION

The Western region includes States of Gujarat and Maharashtra. There are 27 reservoirs under CWC monitoring having total live storage capacity of 27.07 BCM. As per Reservoir Storage Bulletin dated 23.03.2016, the total live storage available in these reservoirs is 6.19 BCM which is 23% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 42% and average storage of last ten years during corresponding period was 46% of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year and is also less than the average storage of last ten years during the corresponding period.

#### d) CENTRAL REGION

The Central region includes States of Uttar Pradesh, Uttarakhand, Madhya Pradesh and Chhattisgarh. There are 12 reservoirs under CWC monitoring having total live storage capacity of 42.30 BCM. As per Reservoir Storage Bulletin dated **23.03.2016**, the total live storage available in these reservoirs is **14.11 BCM** 

which is 33% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 44% and average storage of last ten years during corresponding period was 31% of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year but is better than the average storage of last ten years during the corresponding period.

# e) SOUTHERN REGION

The Southern region includes States of Andhra Pradesh, Telangana, AP&TG (2combined projects in both states) Karnataka, Kerala and Tamil Nadu. There are 31 reservoirs under CWC monitoring having total live storage capacity of 51.59 BCM. As per Reservoir Storage Bulletin dated 23.03.2016, the total live storage available in these reservoirs is 9.24 BCM which is 18% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 28% and average storage of last ten years during corresponding period was 31% of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year and is also less than the average storage of last ten years during the corresponding period.

The region wise and reservoir wise details are given in the following pages of the Bulletin.

### BROAD ANALYSIS OF OTHER TABLES IN THE BULLETIN

- Normal storage means average storage of last ten years, Close to normal storage means where shortfall is upto 20% of normal, deficient storage is where shortfall is more than 20% of the normal and upto 60% of the normal, highly deficient means where shortfall is more than 60% of normal.
- In the table on page 4, better than normal storage is available in Ganga, Sabarmati and Narmada. Close to Normal in Mahanadi & neighbouring East Flowing Rivers, Rivers of Kutch and West Flowing rivers of South and Deficient in Indus, Tapi, Mahi, Godavari and Cauvery & neighbouring EFRs and Highly Deficient in Krishna basin.
- Table on page 5-7 of the bulletin. The numbers of reservoirs having storage more than last year are 16 and reservoirs having storage more than average of last ten years are 15. The numbers of reservoirs having storage less than 20% with respect to last year is 5 and having storage less than 20% with reference to average of last ten years is 5. The number of reservoirs having storage less than or equal to 50% with respect to last year are 29 and having storage less than or equal to 50% with reference to average of last ten years are 30.

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#### STORAGE STATUS OF IMPORTANT RESERVOIRS IN THE COUNTRY

- 1 Central Water Commission is monitoring storage status of 91 important reservoirs spread all over the country, in which 37 reservoirs have hydropower benefit each with installed capacity of more than 60 MW. These reservoirs are identified thus(\*) in the enclosed weekly report.
- 2 The total live storage in 91 important reservoirs in different parts of the country, monitored by CWC as on
   23.03.2016 is 41.643 BCM ( 26 percent of the live storage capacity at FRL ). The current year's storage is nearly 69 percent of last year's storage and 75 percent of the average of last ten years.

3 Region wise storage status:-

| <b></b>   |      | Filling     | positio     | n of 91     | reserv      | oirs w      | .r.t. FR    | L              |   |   |  |
|---|------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|---|---|--|
| REGION (States),<br>(Monitoring No. of<br>Reservoirs)             | 100% | 91%-<br>99% | 81%-<br>90% | 71%-<br>80% | 61%-<br>70% | 51%-<br>60% | 41%-<br>50% | 40% &<br>below | Departure fr<br>stor                              |   |  |
| NORTH<br>(HP,Punjab & Rajasthan),<br>(6 Resv.)                    | ı    | 1           | 1           | 1           | 1           | -           | -           | 6              | H.P.<br>PUNJAB<br>RAJASTHAN                       | -19 %<br>-31 %<br>-12 %                         |  |
| EAST<br>(Jharkhand,Odisha, Tripura &<br>W.Bengal<br>( 15 Resv.)   | ,    | -           | -           | -           | -           | 1           | 6           | 8              | JHARKHAND<br>ODISHA<br>W. BENGAL<br>TRIPURA       | -33 %<br>-10 %<br>-10 %<br>417 %                |  |
| WEST (Guj.& Mah.),<br>(27 Resv.)                                  | -    | -           | -           | -           | -           | -           | 3           | 24             | GUJARAT<br>MAH.                                   | -42 %<br>-58 %                                  |  |
| CENTRAL<br>(MP,UP,Uttarakhand & Chh.),<br>(12 Resv)               | -    | -           | -           | -           | -           | 1           | 3           | 8              | U.P.<br>UTTARAKHAND<br>M.P.<br>CHHATISGARH        | -11 %<br>-55 %<br>33 %<br>-28 %                 |  |
| SOUTH<br>(Karnataka,TN,AP&TG,AP,<br>TG, & Kerala),<br>( 31 Resv.) |      | -           | -           | 2           | -           | 1           | 1           | 27             | AP&TG<br>A,P<br>TG<br>KARNATAKA<br>KERALA<br>T.N. | -81 %<br>3 %<br>-67 %<br>-32 %<br>-4 %<br>-45 % |  |
| Status of 91 reservoirs   | 0    | 0           | 0           | 2           | 0           | 3           | 13          | 73             |   | .5 70   |  |

#### 4 Basin wise storage position:

Better than normal: Ganga, Sabarmati and Narmada.

Close to normal: Mahanadi & Neighbouring EFRS, Rivers of Kutch and West Flowing rivers of south.

Deficient: Indus, Tapi, Mahi, Godavari and Cauvery & neighbouring EFRS

Highly deficient: Krishna.

5 Out of 91 reservoirs, 29 reservoirs reported more than 80% of normal storage & 62 reservoirs reported 80% or below of normal storage. Out of these 62 reservoirs 30 having storage upto 50% of normal

storage.

| Name of reservoir  | %  | Name of reservoir | %  | Name of reservoir  | %  |
|--------------------|----|-------------------|----|--------------------|----|
| NAGARJUNA SAGAR    | 0  | SRIRAMSAGAR       | 35 | BHANDARDARA        | 41 |
| BHIMA(UJJANI)      | 0  | MANIKDOH          | 36 | ISAPUR             | 41 |
| JAYAKWADI(PAITHON) | 0  | ALIYAR            | 36 | BARNA              | 43 |
| GIRNA              | 0  | VAIGAI            | 39 | SARDAR SAROVAR     | 43 |
| SALANADI           | 13 | PANAM             | 39 | MALAPRABHA(RENUKA) | 44 |
| YELDARI            | 22 | DUDHGANGA         | 39 | HARANGI            | 44 |
| PANCHET HILL       | 25 | RAMGANGA          | 40 | KARJAN             | 46 |
| LOWER MANAIR       | 31 | MATATILA          | 40 | JHAKAM             | 47 |
| SRISAILAM          | 31 | LOWER BHAWANI     | 41 | NARAYANPUR         | 49 |
| MULA               | 34 | MAITHON           | 41 | KADANA             | 50 |

| having storage 51% to 80% of normal storage. |     |     |  |  |  |  |  |  |
|--|-----|-----|--|--|--|--|--|--|
| 51%  | 61% | 71% |  |  |  |  |  |  |
| to   | to  | to  |  |  |  |  |  |  |
| 60%  | 70% | 80% |  |  |  |  |  |  |
| 12   | 14  | 6   |  |  |  |  |  |  |
|  |     |     |  |  |  |  |  |  |

32 reservors

29 reservoirs.

**<sup>6</sup>** Out of **37** reservoirs with significant(\*) hydropower generation, the storage build up is less than or equal to normal in

# WEEKLY REPORT - BASINWISE

### GOVERNMENT OF INDIA

# CENTRAL WATER COMMISSION WEEK ENDING: 23 03 2016

|                              | WEEK ENDING :- 23.03.2016 |                    |        |                        |        |                                |        |  |  |  |  |  |  |
|------------------------------|---------------------------|--------------------|--------|------------------------|--------|--------------------------------|--------|--|--|--|--|--|--|
| NAME OF BASIN                | LIVE CAP. AT FRL          | AP. AT FRL THIS YE |        | LAST YEAR'S<br>STORAGE |        | LAST 10 YEARS'<br>AVG. STORAGE |        | % DEPARTURE<br>W.R.T. AVE. OF<br>10 YEARS' |  |  |  |  |  |
| GANGA                        | 28.096                    | 8.991              | 32.00% | 11.760                 | 41.86% | 8.591                          | 30.58% | 4.66                                       |  |  |  |  |  |
| INDUS                        | 14.730                    | 3.645              | 24.75% | 4.705                  | 31.94% | 4.594                          | 31.19% | -20.66                                     |  |  |  |  |  |
| NARMADA                      | 17.414                    | 5.548              | 31.86% | 6.918                  | 39.73% | 5.361                          | 30.79% | 3.49                                       |  |  |  |  |  |
| TAPI                         | 7.394                     | 2.037              | 27.55% | 2.990                  | 40.44% | 3.493                          | 47.24% | -41.68                                     |  |  |  |  |  |
| MAHI                         | 4.012                     | 1.064              | 26.51% | 2.005                  | 49.98% | 1.781                          | 44.39% | -40.27                                     |  |  |  |  |  |
| SABARMATI                    | 0.735                     | 0.216              | 29.39% | 0.131                  | 17.82% | 0.216                          | 29.39% | 0.00                                       |  |  |  |  |  |
| RIVERS OF KUTCH              | 0.887                     | 0.165              | 18.60% | 0.110                  | 12.40% | 0.183                          | 20.63% | -9.84                                      |  |  |  |  |  |
| GODAVARI                     | 15.394                    | 3.567              | 23.17% | 5.792                  | 37.63% | 5.560                          | 36.12% | -35.85                                     |  |  |  |  |  |
| KRISHNA                      | 32.831                    | 3.510              | 10.69% | 8.296                  | 25.27% | 9.572                          | 29.16% | -63.33                                     |  |  |  |  |  |
| MAHANADI & NEIGHBOURING EFRS | 13.181                    | 5.435              | 41.23% | 7.890                  | 59.86% | 6.742                          | 51.15% | -19.39                                     |  |  |  |  |  |
| CAUVERY& NEIGHBOURING EFRS   | 8.359                     | 2.231              | 26.69% | 2.653                  | 31.74% | 3.249                          | 38.87% | -31.33                                     |  |  |  |  |  |
| WEST FLOWING RIVERS OF SOUTH | 14.766                    | 5.234              | 35.45% | 6.765                  | 45.81% | 6.413                          | 43.43% | -18.38                                     |  |  |  |  |  |
| TOTAL                        | 157.799                   | 41.643             |        | 60.015                 |        | 55.755                         |        |  |  |  |  |  |  |
| PERCENTAGE                   |                           |                    |        |                        |        |                                |        | -25.31                                     |  |  |  |  |  |

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

|          | GOVERNMENT OF INDIA          |                  |                                      | WEE                                 | K ENDING :-                      | 23.03.2016               |                 | CENTRAL V     | VATER COM                   | /IIVII55IO                 | IN                |
|----------|------------------------------|------------------|--------------------------------------|-------------------------------------|----------------------------------|--------------------------|-----------------|---------------|-----------------------------|----------------------------|-------------------|
|          |                              |                  |                                      |                                     | -                                |                          | STORAGE A       | S % OF LIVE C | APACITY AT                  | BENE                       | FITS              |
| S.<br>NO | NAME OF RESERVOIR            | FRL<br>(m)       | CURRENT<br>RESERVOIR<br>LEVEL<br>(m) | LIVE<br>CAPACITY AT<br>FRL<br>(BCM) | CURRENT LIVE<br>STORAGE<br>(BCM) | DATE                     | CURRENT<br>YEAR | LAST YEAR     | LAST 10<br>YEARS<br>AVERAGE | IRR.<br>(CCA) IN<br>TH. HA | HYDEL<br>IN<br>MW |
| 1        | 2                            | 4                | 6                                    | 5                                   | 7                                | 8                        | 9               | 10            | 11                          | 3A                         | 3B                |
|          | NORTHERN REGION              |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
|          | HIMACHAL PRADESH             | -                |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
| *1       | GOBIND SAGAR(BHAKRA)         | 512.06           | 481.88                               | 6.229                               | 2.063                            | 23-03-2016               | 33              | 31            | 31                          | 676                        | 1200              |
| *2       | PONG DAM                     | 423.67           | 396.86                               | 6.157                               | 1.056                            | 23-03-2016               | 17              | 29            | 31                          | -                          | 360               |
|          | <u>PUNJAB</u>                |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
| *3       | THEIN                        | 527.91           | 497.47                               | 2.344                               | 0.526                            | 23-03-2016               | 22              | 42            | 33                          | 348                        | 600               |
|          | RAJASTHAN                    |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
| *4       | MAHI BAJAJ SAGAR             | 280.75           | 268.35                               | 1.711                               | 0.474                            | 23-03-2016               | 28              | 40            | 31                          | 63                         | 140               |
| 5        | JHAKAM                       | 359.50           | 338.25                               | 0.132                               | 0.011                            | 23-03-2016               | 8               | 20            | 17                          | 28                         | -                 |
| *6       | RANA PRATAP SAGAR            | 352.81           | 346.99                               | 1.436                               | 0.437                            | 22-03-2016               | 30              | 28            | 34                          | 229                        | 172               |
|          | EASTERN REGION               | -                |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
|          | <u>JHARKHAND</u>             |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
|          | TENUGHAT                     | 269.14           | 256.90                               | 0.821                               | 0.307                            | 23-03-2016               | 37              | 43            | 36                          |                            | -                 |
| 8        | MAITHON                      | 146.3            | 138.52                               |                                     | 0.111                            | 23-03-2016               | 24              | 38            | 58                          | 342                        | -                 |
| *9       | PANCHET HILL                 | 124.97           | 120.79                               |                                     | 0.030                            | 23-03-2016               | 16              | 28            | 66                          | \$                         | 80                |
|          | KONAR                        | 425.81           | 419.73                               |                                     | 0.079                            | 23-03-2016               | 45              | 68            | 53                          | \$                         | -                 |
| 11       | TILAIYA                      | 368.81           | 365.16                               | 0.142                               | 0.033                            | 23-03-2016               | 23              | 60            | 34                          | \$                         | 4                 |
| *40      | <u>ODISHA</u>                | 400.00           | 400.04                               | 5.070                               | 0.545                            | 00 00 0010               | 47              | 4.4           | 50                          | 450                        | 0.07              |
|          | HIRAKUD                      | 192.02           | 188.01                               | 5.378                               |                                  | 22-03-2016               | 47              | 44            | 50                          | 153                        | 307               |
|          | BALIMELA                     | 462.08           | 451.44                               | 2.676                               |                                  | 22-03-2016               | 41              | 65            | 41                          | -                          | 360               |
|          | SALANADI                     | 82.30            | 54.50                                |                                     | 0.024                            | 22-03-2016               | 4               | 41            | 33                          |                            |                   |
|          | RENGALI                      | 123.50           | 116.50                               |                                     |                                  | 22-03-2016<br>21-03-2016 | 38              | 69            | 50                          | 3                          | 200               |
|          | MACHKUND(JALPUT) UPPER KOLAB | 838.16<br>858.00 | 832.64                               | 0.893                               | 0.486                            |                          | 54<br>47        | 56            | 58                          | -                          | 115               |
|          | UPPER INDRAVATI              | 642.00           | 852.19<br>633.27                     | 0.935<br>1.456                      | 0.441                            | 22-03-2016<br>22-03-2016 | 41              | 62<br>63      | 43<br>47                    | 89<br>128                  | 320<br>600        |
| 10       | WEST BENGAL                  | 042.00           | 033.27                               | 1.430                               | 0.003                            | 22-03-2010               | 41              | 03            | 47                          | 120                        | 000               |
| 10       | MAYURAKSHI                   | 121.31           | 110.34                               | 0.480                               | 0.086                            | 23-03-2016               | 18              | 16            | 30                          | 227                        | _                 |
|          | KANGSABATI                   | 134.14           | 123.87                               |                                     |                                  | 23-03-2016               | 25              | 26            | 22                          |                            | _                 |
|          | TRIPURA                      |                  | 120101                               | 0.011                               | 0.22                             | 20 00 20.0               |                 |               |                             | 0                          |                   |
| 21       | GUMTI                        | 93.55            | 89.90                                | 0.312                               | 0.155                            | 23-03-2016               | 50              | 0             | 10                          | _                          | 15                |
|          | WESTERN REGION               |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
|          | GUJARAT                      |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |
| *22      | UKAI                         | 105.16           | 94.53                                | 6.615                               | 1.959                            | 23-03-2016               | 30              | 40            | 49                          | 348                        | 300               |
| 23       | SABARMATI(DHAROI)            | 189.59           | 182.93                               | 0.735                               | 0.216                            | 23-03-2016               | 29              | 18            | 29                          | 95                         | 1                 |
| *24      | KADANA                       | 127.7            | 118.42                               | 1.472                               | 0.433                            | 23-03-2016               | 29              | 64            | 59                          | 200                        | 120               |
| 25       | SHETRUNJI                    | 55.53            | 50.57                                | 0.300                               | 0.063                            | 23-03-2016               | 21              | 17            | 33                          | 36                         | -                 |
| 26       | BHADAR                       | 107.89           | 102.23                               | 0.188                               | 0.031                            | 23-03-2016               | 16              | 23            | 27                          | 27                         | -                 |
| 27       | DAMANAGANGA                  | 79.86            | 72.50                                | 0.502                               | 0.196                            | 23-03-2016               | 39              | 41            | 57                          | 51                         | 1                 |
| 28       | DANTIWADA                    | 184.1            | 171.86                               | 0.399                               | 0.071                            | 23-03-2016               | 18              | 4             | 8                           | 45                         | -                 |
| 29       | PANAM                        | 127.41           | 118.65                               | 0.697                               | 0.146                            | 23-03-2016               | 21              | 51            | 53                          | 36                         | 2                 |
| *30      | SARDAR SAROVAR               | 121.92           | 113.99                               | 1.566                               | 0.360                            | 23-03-2016               | 23              | 72            | 53                          | 2120                       | 1450              |
| 31       | KARJAN                       | 115.25           | 99.44                                | 0.523                               | 0.163                            | 23-03-2016               | 31              | 54            | 67                          | 51                         | 3                 |
|          |                              |                  |                                      |                                     |                                  |                          |                 |               |                             |                            |                   |

GOVERNMENT OF INDIA

### CENTRAL WATER COMMISSION

|          | GOVERNIMENT OF INDIA             |                  |                                      | WEE                                 | K ENDING :-                      | 23.03.2016               |                 |                      | VATER CON                   |                            |                   |
|----------|----------------------------------|------------------|--------------------------------------|-------------------------------------|----------------------------------|--------------------------|-----------------|----------------------|-----------------------------|----------------------------|-------------------|
|          |                                  |                  | QUEDENT                              | 10.45                               |                                  |                          | STORAGE A       | S % OF LIVE C<br>FRL | APACITY AT                  | BENE                       | FITS              |
| S.<br>NO | NAME OF RESERVOIR                | FRL<br>(m)       | CURRENT<br>RESERVOIR<br>LEVEL<br>(m) | LIVE<br>CAPACITY AT<br>FRL<br>(BCM) | CURRENT LIVE<br>STORAGE<br>(BCM) | DATE                     | CURRENT<br>YEAR | LAST YEAR            | LAST 10<br>YEARS<br>AVERAGE | IRR.<br>(CCA) IN<br>TH. HA | HYDEL<br>IN<br>MW |
| 1        | 2                                | 4                | 6                                    | 5                                   | 7                                | 8                        | 9               | 10                   | 11                          | 3A                         | 3B                |
|          | MAHARASHTRA                      |                  |                                      | •                                   |                                  |                          |                 |                      |                             |                            |                   |
| 32       | JAYAKWADI(PAITHON)               | 463.91           | 455.27                               | 2.171                               | 0.000                            | 23-03-2016               | 0               | 14                   | 27                          | 227                        | -                 |
| *33      | KOYANA                           | 657.90           | 638.81                               | 2.652                               | 0.875                            | 22-03-2016               | 33              | 65                   | 59                          | -                          | 1920              |
| 34       | BHIMA(UJJANI)                    | 496.83           | 488.53                               | 1.517                               | 0.000                            | 23-03-2016               | 0               | 35                   | 43                          | 125                        | 12                |
| 35       | ISAPUR                           | 441.00           | 429.38                               | 0.965                               | 0.161                            | 22-03-2016               | 17              | 33                   | 41                          | 104                        | -                 |
| 36       | MULA                             | 552.30           | 538.10                               | 0.609                               | 0.081                            | 22-03-2016               | 13              | 22                   | 39                          | 139                        | -                 |
| 37       | YELDARI                          | 461.77           | 449.43                               | 0.809                               | 0.047                            | 22-03-2016               | 6               | 21                   | 27                          | 78                         | -                 |
| 38       | GIRNA                            | 398.07           | 380.57                               | 0.524                               | 0.000                            | 22-03-2016               | 0               | 19                   | 25                          | 79                         | -                 |
| 39       | KHADAKVASLA                      | 582.47           | 580.13                               | 0.056                               | 0.027                            | 23-03-2016               | 48              | 68                   | 36                          | 78                         | 8                 |
| *40      | UPPER VAITARNA                   | 603.50           | 596.83                               | 0.331                               | 0.137                            | 22-03-2016               | 41              | 53                   | 61                          | -                          | 61                |
| 41       | UPPER TAPI                       | 214.00           | 210.43                               | 0.255                               | 0.078                            | 23-03-2016               | 31              | 89                   | 60                          | 45                         | -                 |
| *42      | PENCH (TOTALADOH)                | 490.00           | 473.51                               | 1.091                               | 0.181                            | 23-03-2016               | 17              | 18                   | 32                          | 127                        | 160               |
| 43       | UPPER WARDHA                     | 342.50           | 336.77                               | 0.564                               | 0.167                            | 23-03-2016               | 30              | 38                   | 41                          | 70                         | -                 |
| 44       | BHATSA                           | 142.07           | 119.36                               | 0.942                               | 0.437                            | 23-03-2016               | 46              | 51                   | 53                          | 29.378                     | 15                |
|          | DHOM                             | 747.70           | 733.30                               | 0.331                               | 0.125                            | 09-03-2016               | 38              | 67                   | 49                          | 36.2                       | 2                 |
| 46       | DUDHGANGA                        | 646.00           | 624.83                               |                                     | 0.148                            | 23-03-2016               | 22              | 60                   | 56                          | 2.441                      | 24                |
|          | MANIKDOH (KUKADI)<br>BHANDARDARA | 711.25<br>342.50 | 683.92<br>336.77                     | 0.288<br>0.304                      | 0.023<br>0.062                   | 23-03-2016<br>23-03-2016 | 8<br>30         | 35<br>38             | 22<br>41                    | 2.2<br>70                  | 6                 |
| 70       | CENTRAL REGION                   | 042.00           | 330.77                               | 0.504                               | 0.002                            | 23 03 2010               | 50              | 30                   | 71                          | 70                         |                   |
|          | UTTAR PRADESH                    |                  |                                      |                                     |                                  |                          |                 |                      |                             |                            |                   |
| 49       | MATATILA                         | 308.46           | 302.18                               | 0.707                               | 0.114                            | 22-03-2016               | 16              | 35                   | 40                          | -                          | 30                |
| *50      | RIHAND                           | 268.22           | 257.44                               | 5.649                               | 1.303                            | 22-03-2016               | 23              | 27                   | 23                          | -                          | 300               |
|          | <u>UTTRAKHAND</u>                |                  |                                      |                                     |                                  |                          |                 |                      |                             |                            |                   |
| *51      | RAMGANGA                         | 365.30           | 330.82                               | 2.196                               | 0.372                            | 23-03-2016               | 17              | 63                   | 43                          | 1897                       | 198               |
| *52      | TEHRI                            | 830.00           | 760.20                               | 2.615                               | 0.403                            | 21-03-2016               | 15              | 31                   | 30                          | 2351                       | 1000              |
|          | MADHYA PRADESH                   |                  |                                      |                                     |                                  |                          |                 |                      |                             |                            |                   |
| *53      | GANDHI SAGAR                     | 399.90           | 393.32                               | 6.827                               | 3.184                            | 23-03-2016               | 47              | 40                   | 26                          | 220                        | 115               |
| 54       | TAWA                             | 355.40           | 341.62                               | 1.944                               | 0.359                            | 23-03-2016               | 18              | 33                   | 26                          | 247                        | -                 |
| *55      | BARGI                            | 422.76           | 416.65                               | 3.180                               | 1.670                            | 23-03-2016               | 53              | 46                   | 39                          | 157                        | 90                |
| *56      | BANSAGAR                         | 341.64           | 333.79                               | 5.166                               | 2.153                            | 23-03-2016               | 42              | 68                   | 35                          | 488                        | 425               |
| *57      | INDIRA SAGAR                     | 262.13           | 252.37                               | 9.745                               | 2.960                            | 22-03-2016               | 30              | 34                   | 24                          | 2380                       | 1000              |
| 58       | BARNA                            | 348.55           | 339.63                               | 0.456                               | 0.036                            | 23-03-2016               | 8               | 25                   | 18                          | 546                        | -                 |
|          | CHHATTIS GARH                    |                  |                                      |                                     |                                  |                          |                 |                      |                             |                            |                   |
|          | MINIMATA BANGOI                  | 359.66           | 348.37                               |                                     |                                  | 18-03-2016               | 41              | 82                   | 57                          | -                          | 120               |
|          | MAHANADI                         | 348.70           | 342.57                               | 0.767                               | 0.294                            | 22-03-2016               | 38              | 54                   | 57                          | 319                        | 10                |
|          | SOUTHERN REGION                  |                  |                                      |                                     |                                  |                          |                 |                      |                             |                            |                   |
| ***      | A.P & TG                         | ==               | 0.45.40                              |                                     | 0.704                            |                          |                 |                      |                             |                            |                   |
|          | SRISAILAM                        | 269.75           | 245.10                               |                                     |                                  |                          | 9               | 30                   | 30                          | 0                          | 770               |
| -62      | NAGARJUNA SAGAR  ANDHRA PRADESH  | 179.83           | 155.45                               | 6.841                               | 0.000                            | 23-03-2016               | 0               | 4                    | 23                          | 895                        | 810               |
| 63       | SOMASILA                         | 100 50           | 00.50                                | 1.004                               | 0.047                            | 23.02.2040               | 47              | 30                   | 40                          | 160                        | 0                 |
| 03       | TELANGANA                        | 100.58           | 92.53                                | 1.994                               | 0.947                            | 23-03-2016               | 47              | 20                   | 46                          | 168                        | 0                 |
| 64       | SRIRAMSAGAR                      | 332.54           | 319.40                               | 2.300                               | 0.145                            | 23-03-2016               | 6               | 17                   | 18                          | 411                        | 27                |
|          | LOWER MANAIR                     | 280.42           | 268.01                               | 0.621                               | 0.143                            | 23-03-2016               | 13              | 30                   | 43                          | 199                        | 60                |
|          |                                  | 200.72           | 200.01                               | 0.021                               | 0.000                            | _0 00 2010               | 10              | 30                   | -10                         | 100                        |                   |

#### WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

**GOVERNMENT OF INDIA** 

CENTRAL WATER COMMISSION

|          |                         |            |                                      | WEE                                 | K ENDING :-                      | 23.03.2016 |                 |                      |                             |                            |                   |
|----------|-------------------------|------------|--------------------------------------|-------------------------------------|----------------------------------|------------|-----------------|----------------------|-----------------------------|----------------------------|-------------------|
|          |                         |            | OURDENT                              |                                     |                                  |            | STORAGE AS      | S % OF LIVE C<br>FRL | APACITY AT                  | BENE                       | EFITS             |
| S.<br>NO | NAME OF RESERVOIR       | FRL<br>(m) | CURRENT<br>RESERVOIR<br>LEVEL<br>(m) | LIVE<br>CAPACITY AT<br>FRL<br>(BCM) | CURRENT LIVE<br>STORAGE<br>(BCM) | DATE       | CURRENT<br>YEAR | LAST YEAR            | LAST 10<br>YEARS<br>AVERAGE | IRR.<br>(CCA) IN<br>TH. HA | HYDEL<br>IN<br>MW |
| 1        | 2                       | 4          | 6                                    | 5                                   | 7                                | 8          | 9               | 10                   | 11                          | 3A                         | 3B                |
|          | KARNATAKA               |            |                                      |                                     |                                  |            |                 |                      |                             |                            |                   |
| 66       | KRISHNARAJA SAGRA       | 752.50     | 739.96                               | 1.163                               | 0.229                            | 22-03-2016 | 20              | 48                   | 37                          | 79                         | -                 |
| *67      | TUNGABHADRA             | 497.74     | 483.16                               | 3.276                               | 0.189                            | 23-03-2016 | 6               | 11                   | 11                          | 529                        | 72                |
| 68       | GHATAPRABHA             | 662.95     | 637.00                               | 1.391                               | 0.133                            | 23-03-2016 | 10              | 23                   | 14                          | 317                        | -                 |
| 69       | BHADRA                  | 657.76     | 644.31                               | 1.785                               | 0.599                            | 21-03-2016 | 34              | 58                   | 56                          | 106                        | 39                |
| 70       | LINGANAMAKKI            | 554.43     | 541.11                               | 4.294                               | 1.334                            | 23-03-2016 | 31              | 38                   | 40                          | -                          | 55                |
| 71       | NARAYANPUR              | 492.25     | 487.14                               | 0.863                               | 0.218                            | 23-03-2016 | 25              | 32                   | 51                          | 425                        | -                 |
| 72       | MALAPRABHA(RENUKA)      | 633.83     | 621.17                               | 0.972                               | 0.045                            | 21-03-2016 | 5               | 13                   | 11                          | 215                        | -                 |
| 73       | KABINI(Sancherla Tank)  | 696.16     | 688.51                               | 0.444                               | 0.087                            | 22-03-2016 | 20              | 60                   | 22                          | 85                         | -                 |
| 74       | HEMAVATHY               | 890.63     | 873.73                               | 0.927                               | 0.115                            | 22-03-2016 | 12              | 16                   | 20                          | 265                        | -                 |
| 75       | HARANGI                 | 871.42     | 851.98                               | 0.220                               | 0.016                            | 22-03-2016 | 7               | 9                    | 16                          | 53                         | -                 |
| 76       | SUPA                    | 564.00     | 533.43                               | 4.120                               | 1.306                            | 23-03-2016 | 32              | 50                   | 42                          | -                          | -                 |
| 77       | VANIVILAS SAGAR         | 652.28     | 636.35                               | 0.802                               | 0.082                            | 23-03-2016 | 10              | 5                    | 15                          | 123                        | -                 |
| *78      | ALMATTI                 | 519.60     | 508.02                               | 3.105                               | 0.262                            | 23-03-2016 | 8               | 13                   | 14                          | @                          | 290               |
| *79      | GERUSOPPA               | 55.00      | 48.63                                | 0.130                               | 0.095                            | 23-03-2016 | 73              | 89                   | 80                          | 83                         | 240               |
|          | <u>KERALA</u>           |            |                                      |                                     |                                  |            |                 |                      |                             |                            |                   |
| 80       | KALLADA(PARAPPAR)       | 115.82     | 110.12                               | 0.507                               | 0.365                            | 23-03-2016 | 72              | 60                   | 50                          | 62                         | -                 |
| *81      | IDAMALAYAR              | 169.00     | 142.90                               | 1.018                               | 0.365                            | 23-03-2016 | 36              | 52                   | 42                          | 33                         | 75                |
| *82      | IDUKKI                  | 732.43     | 713.29                               | 1.460                               | 0.549                            | 23-03-2016 | 38              | 54                   | 42                          | -                          | 780               |
| *83      | KAKKI                   | 981.46     | 966.37                               | 0.447                               | 0.239                            | 23-03-2016 | 53              | 56                   | 54                          | 23                         | 300               |
| *84      | PERIYAR                 | 867.41     | 859.49                               | 0.173                               | 0.030                            | 23-03-2016 | 17              | 15                   | 27                          | 84                         | 140               |
| 85       | MALAPMUZHA              | 867.41     | 859.49                               | 0.224                               | 0.030                            | 23-03-2016 | 17              | 15                   | 27                          | 84                         | 140               |
|          | TAMIL NADU              |            |                                      |                                     |                                  |            |                 |                      |                             |                            |                   |
| 86       | LOWER BHAWANI           | 278.89     | 264.39                               | 0.792                               | 0.143                            | 23-03-2016 | 18              | 28                   | 45                          | 105                        | 8                 |
| *87      | METTUR(STANLEY)         | 240.79     | 222.16                               | 2.647                               | 0.675                            | 23-03-2016 | 26              | 38                   | 45                          | 122                        | 360               |
| 88       | VAIGAI                  | 279.20     | 268.51                               | 0.172                               | 0.019                            | 23-03-2016 | 11              | 10                   | 28                          | 61                         | 6                 |
| 89       | PARAMBIKULAM            | 556.26     | 541.87                               | 0.380                               | 0.109                            | 23-03-2016 | 29              | 26                   | 46                          | 101                        | -                 |
| 90       | ALIYAR                  | 320.04     | 305.75                               | 0.095                               | 0.017                            | 23-03-2016 | 18              | 68                   | 49                          | #                          | 60                |
| *91      | SHOLAYAR                | 1002.79    | 965.48                               | 0.143                               | 0.025                            | 23-03-2016 | 17              | 1                    | 6                           | -                          | 95                |
|          | TOTAL FOR 91 RESERVOIRS |            |                                      | 157.799                             | 41.643                           |            |                 |                      |                             |                            |                   |
|          | PERCENTAGE              |            |                                      |                                     |                                  |            | 26              | 38                   | 35                          |                            |                   |

Sd/-

\$ TOTAL CCA 342 TH. HA OF DVC SYSTEM

Director W. M., CWC

<sup>\*</sup> HYDEL POWER CAPACITY HAVING CAPACITY MORE THAN 60MW

<sup>#</sup> TOTAL CCA 101 TH. HA OF PARAMBIKULAM & ALIYAR

<sup>@&#</sup>x27; TOTAL CCA 425 TH. HA. OF NARAYANPUR AND ALMATTI

<sup>†</sup> SABARMATI RESERVOIR IS SUPPLEMENTED WITH NARMADA WATER THROUGH PIPELINE.

SI. No. 30th The FRL of S.S.P. 138.38 M and Live capacity at FRL will be 5.760 BCM. However at present the lowest block of the dam is at the level of 121.92 M. and the live capacity at this level is 1.566 BCM  $\,$