

STORAGE STATUS OF IMPORTANT RESERVOIRS IN THE COUNTRY
(AS ON 02.02.2012)

- Central Water Commission is monitoring storage status of **82** important reservoirs spread all over the country of 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.
- The total live storage in **82** important reservoirs in different parts of the country, monitored by CWC as on **02.02.2012** is **79.486 BCM (52** per cent of the storage capacity at FRL). The current year's storage is nearly **89** percent of the last year's storage and **122** percent of the average of last ten years.
- Region wise storage status:**

| Filling position of 82 reservoirs w.r.t. Full reservoir level | | | | | | | | | Overall storage is | |
|--|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|--|---|
| REGION (States), (Monitoring nos. of Reservoirs) | 100% | 91%- 99% | 81%- 90% | 71%- 80% | 61%- 70% | 51%- 60% | 41%- 50% | 40% & below | Better than normal in states | Less than normal in states |
| NORTH (H.P., Punjab, and Rajasthan) (6 Reservoirs) | - | - | - | - | 1 | 4 | - | 1 | H.P. by 37% Punjab by 41% Rajasthan by 52% | |
| EAST (Jharkhand, Orissa Tripura and West Bengal) (15 Reservoirs) | 1 | 1 | 1 | - | 2 | 1 | 2 | 7 | Jharkhand by 16% | W. Bengal by 11% Tripura by 97% Orissa by 17% |
| WEST (Gujarat and Maharashtra) (20 Reservoirs) | - | - | 1 | 2 | 8 | 4 | 3 | 2 | Gujarat by 24% Mah by 1% | |
| CENTRAL (M.P., U.P. Uttarakhand, and Chhattisgarh) (11 Reservoirs) | - | - | - | 4 | 2 | 1 | 2 | 2 | M.P. by 132% U.Khand by 35% U.P. by 72% Chh. by 30% | |
| SOUTH (Karnataka, Tamil Nadu, A.P. and Kerala) (30 Reservoirs) | - | - | 3 | 7 | 4 | 2 | 3 | 11 | Kar. by 5% Kerala by 20% T.N. by 21% | A.P. by 3% |
| Status of 82 reservoirs :- | <u>1</u> | <u>1</u> | 5 | 13 | 17 | 12 | 10 | 23 | | |

4. Basin wise storage position:

- Better than normal:** Ganga, Indus, Narmada, Tapi, Mahi, Sabarmati, Rivers of Kutch, Cauvery & neighboring EFRs, Mahanadi & Neighboring EFRs and West Flowing Rivers of south.
- Close to normal:** Krishna, Godavari.
- Deficient:** Nil
- Highly deficient:** Nil

- Out of **82** reservoirs, **67** reservoirs reported more than 80% of normal storage and **15** reservoirs reported 80% or below of normal storage.

| Out of these 15 reservoirs 5 having storage 0% to 50% of normal storage | | | |
|---|----|-------------------|----|
| Name of Reservoir | % | Name of Reservoir | % |
| GUMTI | 3 | BALIMELA | 48 |
| HEMAVATHY | 28 | | |
| UPPER KOLAB | 42 | | |
| UPPER INDRAVATI | 44 | | |

| 10 reservoirs having storage 51% to 80% of normal storage | | |
|---|------------------|------------------|
| 51% To 60% | 61% To 70% | 71% To 80% |
| 3 | 1 | 6 |

- Out of **37** reservoirs with significant hydropower generation, the storage build up was less than normal in **13** reservoirs.

NOTE: **Normal:** Average of previous ten years, **Close to normal:** Where shortfall is up to 20 % of the normal, **Deficient:** Where shortfall is more than 20% of the normal and up to 60% of the normal. **Highly deficient:** Where shortfall is more than 60% of the normal.

WEEKLY REPORT OF 82 IMPORTANT RESERVOIRS OF INDIA
GOVERNMENT OF INDIA **CENTRAL WATER COMMISSION**

WEEK ENDING
02.02.2012

| S. NO | NAME OF RESERVOIR | FRL (m) | CURRENT RESERVOIR LEVEL (m) | LIVE CAPACITY AT FRL (BCM) | CURRENT LIVE STORAGE (BCM) | DATE | STORAGE AS % OF LIVE CAPACITY AT FRL | | | BENEFITS | |
|--------------------------------|----------------------|---------|-----------------------------|----------------------------|----------------------------|----------|--------------------------------------|-----------|-----------------------|----------------------|-------------|
| | | | | | | | CURRENT YEAR | LAST YEAR | LAST 10 YEARS AVERAGE | IRR. (CCA) IN TH. HA | HYDEL IN MW |
| 1 | 2 | 4 | 6 | 5 | 7 | 8 | 9 | 10 | 11 | 3A | 3B |
| <u>NORTHERN REGION</u> | | | | | | | | | | | |
| <u>HIMACHAL PRADESH</u> | | | | | | | | | | | |
| *1 | GOBIND SAGAR(BHAKRA) | 512.06 | 495.70 | 6.229 | 3.590 | 02/02/12 | 58 | 64 | 42 | 676 | 1200 |
| *2 | PONG DAM | 423.67 | 411.22 | 6.157 | 3.236 | 02/02/12 | 53 | 63 | 39 | - | 360 |
| <u>PUNJAB</u> | | | | | | | | | | | |
| *3 | THEIN | 527.91 | 504.11 | 2.344 | 0.823 | 01/31/12 | 35 | 41 | 25 | 348 | 600 |
| <u>RAJASTHAN</u> | | | | | | | | | | | |
| *4 | MAHI BAJAJ SAGAR | 280.75 | 275.35 | 1.711 | 1.079 | 02/01/12 | 63 | 18 | 38 | 63 | 140 |
| 5 | JHAKAM | 359.50 | 352.05 | 0.132 | 0.069 | 02/01/12 | 52 | 16 | 27 | 28 | - |
| *6 | RANA PRATAP SAGAR | 352.81 | 348.97 | 1.436 | 0.736 | 02/02/12 | 51 | 18 | 38 | 229 | 172 |
| <u>EASTERN REGION</u> | | | | | | | | | | | |
| <u>JHARKHAND</u> | | | | | | | | | | | |
| 7 | TENUGHAT | 269.14 | 260.30 | 0.821 | 0.355 | 02/02/12 | 43 | 34 | 37 | - | - |
| 8 | MAITHON | 146.3 | 146.40 | 0.471 | 0.444 | 02/02/12 | 94 | 52 | 87 | 342 | - |
| *9 | PANCHET HILL | 124.97 | 126.83 | 0.184 | 0.184 | 02/02/12 | 100 | 41 | 93 | \$ | 80 |
| 10 | KONAR | 425.81 | 424.77 | 0.176 | 0.158 | 02/02/12 | 90 | 36 | 59 | \$ | - |
| 11 | TILAIYA | 368.81 | 365.76 | 0.142 | 0.046 | 02/02/12 | 32 | 17 | 27 | \$ | 4 |
| <u>ORISSA</u> | | | | | | | | | | | |
| *12 | HIRAKUD | 192.02 | 188.92 | 5.378 | 3.619 | 01/31/12 | 67 | 85 | 70 | 153 | 307 |
| *13 | BALIMELA | 462.08 | 446.01 | 2.676 | 0.553 | 01/31/12 | 21 | 74 | 43 | - | 360 |
| 14 | SALANADI | 82.30 | 72.05 | 0.558 | 0.253 | 02/01/12 | 45 | 6 | 42 | 42 | - |
| *15 | RENGALI | 123.50 | 118.60 | 3.432 | 1.859 | 01/31/12 | 54 | 47 | 57 | 3 | 200 |
| *16 | MACHKUND(JALPUT) | 838.16 | 834.73 | 0.893 | 0.617 | 01/31/12 | 69 | 91 | 65 | - | 115 |
| *17 | UPPER KOLAB | 858.00 | 848.65 | 0.935 | 0.211 | 01/31/12 | 23 | 74 | 53 | 89 | 320 |
| *18 | UPPER INDRAVATI | 642.00 | 630.50 | 1.456 | 0.376 | 01/31/12 | 26 | 69 | 58 | 128 | 600 |
| <u>WEST BENGAL</u> | | | | | | | | | | | |
| 19 | MAYURAKSHI | 121.31 | 113.81 | 0.480 | 0.142 | 02/02/12 | 30 | 21 | 55 | 227 | - |
| 20 | KANGSABATI | 134.14 | 128.56 | 0.914 | 0.334 | 02/02/12 | 37 | 11 | 30 | 341 | - |
| <u>TRIPURA</u> | | | | | | | | | | | |
| 21 | GUMTI | 93.55 | 84.00 | 0.312 | 0.005 | 01/03/12 | 2 | 46 | 46 | - | 15 |
| <u>WESTERN REGION</u> | | | | | | | | | | | |
| <u>GUJARAT</u> | | | | | | | | | | | |
| *22 | UKAI | 105.16 | 100.26 | 6.615 | 4.152 | 02/01/12 | 63 | 69 | 57 | 348 | 300 |
| 23 | SABARMATI(DHAROI) | 189.59 | 186.44 | 0.735 | 0.450 | 02/01/12 | 61 | 37 | 29 | 95 | 1 |
| *24 | KADANA | 127.7 | 124.64 | 1.472 | 0.891 | 02/01/12 | 61 | 43 | 54 | 200 | 120 |
| 25 | SHETRUNJI | 55.53 | 54.07 | 0.300 | 0.196 | 02/01/12 | 65 | 83 | 46 | 36 | - |
| 26 | BHADAR | 107.89 | 105.34 | 0.188 | 0.096 | 02/01/12 | 51 | 61 | 30 | 27 | - |
| 27 | DAMANAGANGA | 79.86 | 76.05 | 0.502 | 0.315 | 02/01/12 | 63 | 83 | 77 | 51 | 1 |
| 28 | DANTIWADA | 184.1 | 177.40 | 0.399 | 0.185 | 02/01/12 | 46 | 1 | 9 | 45 | - |
| 29 | PANAM | 127.41 | 125.40 | 0.697 | 0.566 | 02/01/12 | 81 | 47 | 49 | 36 | 2 |
| *30 | SARDAR SAROVAR | 121.92 | 119.25 | 1.566 | 1.111 | 02/02/12 | 71 | 73 | 45 | 2120 | 1450 |

WEEKLY REPORT OF 82 IMPORTANT RESERVOIRS OF INDIA
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WEEK ENDING
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| S. NO | NAME OF RESERVOIR | FRL (m) | CURRENT RESERVOIR LEVEL (m) | LIVE CAPACITY AT FRL (BCM) | CURRENT LIVE STORAGE (BCM) | DATE | STORAGE AS % OF LIVE CAPACITY AT FRL | | | BENEFITS | |
|-------------------------------|--------------------|---------|-----------------------------|----------------------------|----------------------------|----------|--------------------------------------|-----------|-----------------------|----------------------|-------------|
| | | | | | | | CURRENT YEAR | LAST YEAR | LAST 10 YEARS AVERAGE | IRR. (CCA) IN TH. HA | HYDEL IN MW |
| 1 | 2 | 4 | 6 | 5 | 7 | 8 | 9 | 10 | 11 | 3A | 3B |
| <u>MAHARASHTRA</u> | | | | | | | | | | | |
| 31 | JAYAKWADI(PAITHON) | 463.91 | 459.28 | 2.171 | 0.717 | 02/01/12 | 33 | 56 | 45 | 227 | - |
| *32 | KOYANA | 657.90 | 649.02 | 2.652 | 1.823 | 02/01/12 | 69 | 88 | 71 | - | 1920 |
| 33 | BHIMA(UJJANI) | 496.83 | 494.53 | 1.517 | 0.816 | 02/01/12 | 54 | 92 | 54 | 125 | 12 |
| 34 | ISAPUR | 441.00 | 437.30 | 0.965 | 0.617 | 02/01/12 | 64 | 86 | 48 | 104 | - |
| 35 | MULA | 552.30 | 547.70 | 0.609 | 0.388 | 02/01/12 | 64 | 83 | 56 | 139 | - |
| 36 | YELDARI | 461.77 | 456.20 | 0.809 | 0.337 | 02/01/12 | 42 | 86 | 38 | 78 | - |
| 37 | GIRNA | 398.07 | 388.34 | 0.524 | 0.148 | 02/01/12 | 28 | 31 | 38 | 79 | - |
| 38 | KHADAKVASLA | 582.47 | 580.25 | 0.056 | 0.028 | 02/01/12 | 50 | 45 | 30 | 78 | 8 |
| *39 | UPPER VAITARNA | 603.50 | 600.97 | 0.331 | 0.249 | 02/01/12 | 75 | 85 | 77 | - | 61 |
| 40 | UPPER TAPI | 214.00 | 212.07 | 0.255 | 0.151 | 02/01/12 | 59 | 82 | 75 | 45 | - |
| 41 | PENCH (TOTALADOH) | 490.00 | 482.59 | 1.091 | 0.572 | 01/30/12 | 52 | 64 | 34 | 127 | 160 |
| <u>CENTRAL REGION</u> | | | | | | | | | | | |
| <u>UTTAR PRADESH</u> | | | | | | | | | | | |
| 42 | MATATILA | 308.46 | 304.19 | 0.707 | 0.312 | 01/25/12 | 44 | 32 | 50 | - | 30 |
| *43 | RIHAND | 268.22 | 263.02 | 5.649 | 3.428 | 01/26/12 | 61 | 18 | 32 | - | 300 |
| <u>UTTRAKHAND</u> | | | | | | | | | | | |
| *44 | RAMGANGA | 365.30 | 357.70 | 2.196 | 1.633 | 01/31/12 | 74 | 80 | 43 | 1897 | 198 |
| *45 | TEHRI | 830.00 | 798.15 | 2.615 | 1.428 | 02/02/12 | 55 | 83 | 50 | 2351 | 1000 |
| <u>MADHYA PRADESH</u> | | | | | | | | | | | |
| *46 | GANDHI SAGAR | 399.90 | 392.44 | 6.827 | 2.722 | 01/31/12 | 40 | 2 | 13 | 220 | 115 |
| 47 | TAWA | 355.40 | 346.98 | 1.944 | 0.817 | 02/01/12 | 42 | 51 | 43 | 247 | - |
| *48 | BARGI | 422.76 | 418.05 | 3.180 | 1.961 | 02/01/12 | 62 | 64 | 45 | 157 | 90 |
| *49 | BANSAGAR | 341.64 | 339.31 | 5.166 | 4.122 | 01/30/12 | 80 | 24 | 12 | 488 | 425 |
| *50 | INDIRA SAGAR | 262.13 | 254.07 | 9.745 | 3.840 | 02/01/12 | 39 | 44 | 21 | 2380 | 1000 |
| <u>CHHATTIS GARH</u> | | | | | | | | | | | |
| *51 | MINIMATA BANGOI | 359.66 | 356.04 | 3.046 | 2.291 | 01/29/12 | 75 | 42 | 55 | - | 120 |
| 52 | MAHANADI | 348.70 | 346.46 | 0.767 | 0.570 | 01/31/12 | 74 | 87 | 69 | 319 | 10 |
| <u>SOUTHERN REGION</u> | | | | | | | | | | | |
| <u>ANDHRA PRADESH</u> | | | | | | | | | | | |
| *53 | SRISAILAM | 269.75 | 259.05 | 8.288 | 3.664 | 02/01/12 | 44 | 79 | 58 | - | 770 |
| *54 | NAGARJUNA SAGAR | 179.83 | 157.64 | 6.841 | 1.526 | 02/01/12 | 22 | 74 | 34 | 895 | 810 |
| 55 | SRIRAMSAGAR | 332.54 | 328.64 | 2.300 | 1.351 | 02/01/12 | 59 | 82 | 16 | 411 | 27 |
| 56 | SOMASILA | 100.58 | 98.27 | 1.994 | 1.533 | 02/02/12 | 77 | 89 | 45 | 168 | - |
| 57 | LOWER MANAIR | 280.42 | 276.64 | 0.621 | 0.415 | 02/01/12 | 67 | 81 | 53 | 199 | 60 |

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WEEK ENDING
02.02.2012

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|--------------------------------|--------------------|---------|-----------------------------|----------------------------|----------------------------|----------|--------------------------------------|-----------|-----------------------|----------------------|-------------|
| | | | | | | | CURRENT YEAR | LAST YEAR | LAST 10 YEARS AVERAGE | IRR. (CCA) IN TH. HA | HYDEL IN MW |
| 1 | 2 | 4 | 6 | 5 | 7 | 8 | 9 | 10 | 11 | 3A | 3B |
| <u>KARNATAKA</u> | | | | | | | | | | | |
| 58 | KRISHNARAJA SAGRA | 752.50 | 749.42 | 1.163 | 0.802 | 02/01/12 | 69 | 80 | 50 | 79 | - |
| *59 | TUNGABHADRA | 497.74 | 490.43 | 3.276 | 0.945 | 02/02/12 | 29 | 54 | 30 | 529 | 72 |
| 60 | GHATAPRABHA | 662.95 | 644.95 | 1.391 | 0.381 | 02/01/12 | 27 | 52 | 28 | 317 | - |
| 61 | BHADRA | 657.76 | 655.60 | 1.785 | 1.549 | 02/01/12 | 87 | 91 | 67 | 106 | 39 |
| 62 | LINGANAMAKKI | 554.43 | 548.84 | 4.294 | 2.764 | 02/01/12 | 64 | 70 | 52 | - | 55 |
| 63 | NARAYANPUR | 492.25 | 491.10 | 0.863 | 0.718 | 02/01/12 | 83 | 83 | 85 | 425 | - |
| 64 | MALAPRABHA(RENUKA) | 633.83 | 623.50 | 0.972 | 0.128 | 02/01/12 | 13 | 39 | 22 | 215 | - |
| 65 | KABINI | 696.16 | 692.62 | 0.275 | 0.087 | 02/01/12 | 32 | 67 | 44 | 85 | - |
| 66 | HEMAVATHY | 890.63 | 875.53 | 0.927 | 0.074 | 02/01/12 | 8 | 81 | 28 | 265 | - |
| 67 | HARANGI | 871.42 | 856.74 | 0.220 | 0.033 | 02/01/12 | 15 | 42 | 15 | 53 | - |
| 68 | SUPA | 564.00 | 544.25 | 4.120 | 2.085 | 02/01/12 | 51 | 48 | 44 | - | - |
| 69 | VANIVILAS SAGAR | 652.28 | 643.14 | 0.802 | 0.263 | 02/01/12 | 33 | 54 | 24 | 123 | - |
| *70 | ALMATTI | 519.60 | 512.10 | 3.105 | 0.703 | 02/01/12 | 23 | 57 | 40 | @ | 290 |
| *71 | GERUSOPPA | 55.00 | 48.22 | 0.130 | 0.093 | 01/30/12 | 72 | 75 | 82 | 83 | 240 |
| <u>KERALA</u> | | | | | | | | | | | |
| 72 | KALLADA(PARAPPAR) | 115.82 | 111.25 | 0.507 | 0.387 | 02/01/12 | 76 | 86 | 73 | 62 | - |
| *73 | IDAMALAYAR | 169.00 | 161.32 | 1.018 | 0.797 | 02/01/12 | 78 | 59 | 54 | 33 | 75 |
| *74 | IDUKKI | 732.43 | 721.66 | 1.460 | 0.901 | 02/01/12 | 62 | 76 | 54 | - | 780 |
| *75 | KAKKI | 981.46 | 975.28 | 0.447 | 0.347 | 05/10/09 | 78 | 79 | 65 | 23 | 300 |
| *76 | PERIYAR | 867.41 | 860.73 | 0.173 | 0.051 | 01/23/12 | 29 | 65 | 39 | 84 | 140 |
| <u>TAMIL NADU</u> | | | | | | | | | | | |
| 77 | LOWER BHAWANI | 278.89 | 271.85 | 0.792 | 0.399 | 02/01/12 | 50 | 60 | 52 | 105 | 8 |
| *78 | METTUR(STANLEY) | 240.79 | 230.12 | 2.647 | 1.334 | 02/01/12 | 50 | 83 | 42 | 122 | 360 |
| 79 | VAIGAI | 279.20 | 277.39 | 0.172 | 0.132 | 02/01/12 | 77 | 65 | 32 | 61 | 6 |
| 80 | PARAMBIKULAM | 556.26 | 551.68 | 0.380 | 0.286 | 02/01/12 | 75 | 89 | 60 | 101 | - |
| 81 | ALIYAR | 320.04 | 318.12 | 0.095 | 0.083 | 02/01/12 | 87 | 71 | 39 | # | 60 |
| *82 | SHOLAYAR | 1002.79 | 974.54 | 0.143 | 0.034 | 02/01/12 | 24 | 9 | 15 | - | 95 |
| TOTAL FOR 82 RESERVOIRS | | | | 153.334 | 79.486 | | | | | | |
| PERCENTAGE | | | | | | | 52 | 58 | 42 | | |

Sd/-

Director

W. M. , CWC

* HYDEL POWER CAPACITY HAVING CAPACITY MORE THAN 60MW

\$ TOTAL CCA 342 TH. HA OF DVC SYSTEM

TOTAL CCA 101 TH. HA OF PARAMBIKULAM & ALIYAR

@ TOTAL CCA 425 TH. HA. OF NARAYANPUR AND ALMATTI

† SABARMATI RESERVOIR IS SUPPLEMENTED WITH NARMADA WATER THROUGH PIPELINE.

Sl. No. 19th 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

NA - CALCULATION OF PERCENTAGES INVOLVED -VE VALUES EITHER IN THE NUMERATOR OR DENOMINATOR,SO THE PERCENTAGES ARE NOT SHOWN

WEEKLY REPORT - BASINWISE

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

WEEK ENDING
02.02.2012

| NAME OF BASIN | LIVE CAP. AT FRL | THIS YEAR'S STORAGE | LAST YEAR'S STORAGE | LAST 10 YEARS' AVG. STORAGE | % DEPARTURE W.R.T. AVE. OF 10 YEARS' |
|------------------------------|------------------|---------------------|---------------------|-----------------------------|--------------------------------------|
| GANGA | 28.096 | 16.049 57.12% | 7.911 28.16% | 8.235 29.31% | 94.89 |
| INDUS | 14.730 | 7.649 51.93% | 8.852 60.10% | 5.563 37.77% | 37.50 |
| NARMADA | 16.435 | 7.729 47.03% | 8.464 51.50% | 4.976 30.28% | 55.33 |
| TAPI | 7.394 | 4.451 60.20% | 4.941 66.82% | 4.161 56.28% | 6.97 |
| MAHI | 4.012 | 2.605 64.93% | 1.300 32.40% | 1.823 45.44% | 42.90 |
| SABARMATI | 0.735 | 0.450 61.22% | 0.273 37.14% | 0.214 29.12% | 110.28 |
| RIVERS OF KUTCH | 0.887 | 0.477 53.78% | 0.367 41.38% | 0.232 26.16% | 105.60 |
| GODAVARI | 14.526 | 6.154 42.37% | 10.814 74.45% | 6.230 42.89% | -1.22 |
| KRISHNA | 31.548 | 12.544 39.76% | 22.805 72.29% | 14.804 46.93% | -15.27 |
| MAHANADI & NEIGHBOURING EFRS | 13.181 | 8.592 65.18% | 8.205 62.25% | 8.164 61.94% | 5.24 |
| CAUVERY & NEIGHBOURING EFRS | 8.190 | 4.394 53.65% | 6.537 79.82% | 3.482 42.52% | 26.19 |
| WEST FLOWING RIVERS OF SOUTH | 13.600 | 8.392 61.71% | 8.808 64.76% | 7.172 52.74% | 17.01 |
| TOTAL | 153.334 | 79.486 | 89.277 | 65.056 | |
| PERCENTAGE | | | | | 22.18 |

NA - since the calculation involved '0' in the denominator the value is not expressed, but the position is much better than the Normal