

# Water

## List of Tables

- 6.1:** Distribution of Large Dams Completed
- 6.2:** Live Storage Capacity of Large Dams/Reservoirs/Projects
- 6.3:** Details of Small Hydro Power Projects
- 6.4:** Ultimate Irrigation Potential (UIP)
- 6.5:** Plan-wise Financial Expenditure on Major and Medium Irrigation
- 6.6:** Achievements of Bharat Nirman on Irrigation Potential Creation including Minor Irrigation
- 6.7:** Year-wise Achievements of Irrigation Potential Created/Utilised in respect of Minor Irrigation Projects of XI plan
- 6.8:** Financial Expenditure on Flood Management Work
- 6.9:** List of on-going Projects under Command Area Development and Water Management (CADWM) Programme during the Period of XI<sup>th</sup> Plan
- 6.10:** Central Released under the Command Area Development Programme (CADP)
- 6.11:** Installation of Off-Grid/Decentralized Renewable Energy Systems/Devices
- 6.12:** Source-wise Estimated Potential of Renewable Power
- 6.13:** Installed Capacity of Power Utilities (Including allocated shares in Joint & Central Sector utilities)
- 6.14:** Electricity-Installed Capacity, Generation and Consumption
- 6.15:** Status of Hydropower Potential Development
- 6.16:** Electricity Sold to Ultimate Consumers (Utilities only)
- 6.17:** Towns and Villages Electrified
- 6.18:** Ground Water Resources Availability, Utilization and Stage of Development
- 6.19:** Status of Ground Water Monitoring Wells
- 6.20:** Depth to water Level and Distribution of Percentage of Wells Period
- 6.21:** Year-wise Central Assistance Release to States for Major, Medium, ERM Projects under AIBP
- 6.22:** Inland Water Resources of Various Types
- 6.23:** Cumulative Installations of Solar Photovoltaic Systems
- 6.24:** Break-up of the Energy Parks and Energy Clubs

**Table 6.1:** Distribution of Large Dams Completed (as on October, 2014)

| Year of Completion |              |              |              |              |              |              |               |                                      |                      |                      | Total |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------------------------------|----------------------|----------------------|-------|
| Up to 1900         | 1901 to 1950 | 1951 to 1960 | 1961 to 1970 | 1971 to 1980 | 1981 to 1990 | 1991 to 2000 | 2001 & beyond | Year of Const- ruction not Available | Total Completed Dams | Under Const- ruction |       |
| -                  | -            | -            | -            | 1            | -            | -            | -             | -                                    | 1                    | -                    | 1     |

**Table 6.2:** Live Storage Capacity of Large Dams/Reservoirs/Projects (as on March, 2015)

| Total Live Storage Capacity (BCM) |                    |       |
|-----------------------------------|--------------------|-------|
| Completed                         | Under Construction | Total |
| 0.312                             | 0.000              | 0.312 |

**Source** (Tables 6.1-6.2): Dam Safety Monitoring Directorate, Water Monitoring Directorate, Central Water Commission, National Registrar of Large Dam, Ministry of Water Resources, Planning and Progress Directorate, Central Water Commission, Govt. of India (Water and Related Statistics, 2015). <http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf> (Accessed on 08.06.2017)

**Table 6.3:** Details of Small Hydro Power Projects (upto 25 MW) Setup & under Implementation

| Year | Potential |               | Projects set-up |               | Project under Implementation |               |
|------|-----------|---------------|-----------------|---------------|------------------------------|---------------|
|      | No        | Capacity (MW) | No              | Capacity (MW) | No                           | Capacity (MW) |
| 2014 | -         | -             | 3               | 16.01         | -                            | -             |
| 2015 | 13        | 46.86         | 3               | 16.01         | -                            | -             |

**Source:** Ministry of New and Renewable Energy. Ministry of Statistics and Programme Implementation, Central Statistics Office, Social Statistics Division, Govt. of India (Statistics Related to Climate Change – India 2015). [http://www.mospi.gov.in/sites/default/files/publication\\_reports/climateChangeStat2015.pdf](http://www.mospi.gov.in/sites/default/files/publication_reports/climateChangeStat2015.pdf) (Accessed on 27.06.2017)

**Table 6.4:** Ultimate Irrigation Potential (UIP)

('000 ha)

| <b>Irrigation Potential</b> |           | <b>2015</b> |
|-----------------------------|-----------|-------------|
| <b>Major &amp; Medium</b>   |           | 100         |
| <b>Minor</b>                | Surface   | 100         |
|                             | Ground    | 81          |
|                             | Sub-Total | 181         |
| <b>Total</b>                |           | 281         |

**Source:** Dam Safety Monitoring Directorate, Water Monitoring Directorate, Central Water Commission, National Registrar of Large Dam, Ministry of Water Resources, Planning and Progress Directorate, Central Water Commission, Govt. of India (Water and Related Statistics, 2015).

<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf>

(Accessed on 08.06.2017)

**Table 6.5:** Plan-wise Financial Expenditure on Major and Medium Irrigation

(Rs. Crores)

| <b>Ninth Plan<br/>(1997-02)</b> | <b>Tenth Plan<br/>(2002-07)</b> | <b>Actual Expenditure<br/>(2007-08)</b> | <b>Actual Expenditure<br/>(2008-09)</b> | <b>Revised Approved Outlay<br/>(2009-10)</b> | <b>Revised Approved Outlay<br/>(2010-11)</b> | <b>Actual Expenditure<br/>(2011-12)</b> |
|---------------------------------|---------------------------------|---|---|--|--|---|
| 32.4                            | 41.7                            | 6.1                                     | 9.7                                     | 26.99  | 58.8   | 27.63                                   |

**Source:** Dam Safety Monitoring Directorate, Water Monitoring Directorate, Central Water Commission, National Registrar of Large Dam, Ministry of Water Resources, Planning and Progress Directorate, Central Water Commission, Govt. of India (Water and Related Statistics, 2015).

<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf>

(Accessed on 08.06.2017)

**Table 6.6:** Achievements of Bharat Nirman on Irrigation Potential Creation including Minor Irrigation

('000 ha)

| Achievement from April 2005 to March 2009 | Achievement |         |         |           | Cumulative Achievement |
|---|-------------|---------|---------|-----------|------------------------|
|   | 2010-11     | 2011-12 | 2012-13 | 2013-2014 |                        |
| 11.75                                     | 1.99        | 20.16   | 1.03    | 0.00      | 38.14                  |

**Source:** Ministry of Water Resources, Govt. of India (Hand Book on Water and Related Information, Central Water Commission January-2016).

<http://www.cwc.gov.in/main/downloads/Handbook%20on%20Water%20&%20Related%20Information-2016.pdf>; (Accessed on 10.06.2017)

**Table 6.7:** Year-wise Achievements of Irrigation Potential Created/Utilised in respect of Minor Irrigation Projects of XI plan\*

('000 ha)

| Ultimate Irrigation Potential |                    |              | 181 |        |
|-------------------------------|--------------------|--------------|-----|--------|
| Cumulative Achievement        |                    | Up to X Plan | IPC | 134.98 |
|                               |                    |              | IPU | 116.35 |
| XI Plan                       | Target             |              | IPC | 30     |
|                               |                    |              | IPU | NF     |
|                               | Achievement        | 2007-08      | IPC | 2.13   |
|                               |                    |              | IPU | NF     |
|                               | Achievement        | 2008-09      | IPC | 1.83   |
|                               |                    |              | IPU | NF     |
|                               | Achievement        | 2009-10      | IPC | 1.97   |
|                               |                    |              | IPU | NF     |
|                               | Achievement        | 2010-11      | IPC | 9.33   |
|                               |                    |              | IPU | NF     |
|                               | Likely Achievement | 2011-12      | IPC | 11.63  |
|                               |                    |              | IPU | NF     |

\*: Figures under reconciliation with states; IPC: Irrigation Potential Created; IPU: Irrigation Potential Utilised

**Source:** Planning and Progress Directorate, Central Water Commission, Water Resources Information System, Directorate, Information System Organisation, Water Planning & Projects Wing, Govt. of India (Water and Related Statistics, 2015).

<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf> (Accessed on 20.06.2017)

**Table 6.8:** Financial Expenditure on Flood Management Work (Rs. Crores)

| During IX Plan (1997-02) | Upto IX Plan (1997-02) | During X Plan (2002-07) | Upto X Plan (2002-07) | Actual Expenditure (2007-08) | Actual Expenditure (2008-09) | Revised Approved Outlay (2009-10) | Revised Approved Outlay (2010-11) | Actual Expenditure (2011-12) |
|--------------------------|------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-----------------------------------|-----------------------------------|------------------------------|
| 26.73                    | 56.94                  | 34.86                   | 91.80                 | 11.55                        | 9.22                         | 12.62                             | 1.86                              | 1.57                         |

**Source:** Planning and Progress Directorate, Central Water Commission, Water Resources Information System, Directorate, Information System Organisation, Water Planning & Projects Wing, Govt. of India (Water and Related Statistics, 2015).  
<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf>  
 (Accessed on 20.06.2017)

**Table 6.9:** List of on-going Projects under Command Area Development and Water Management (CADWM) Programme during the period of XI<sup>th</sup> Plan (2007-08 to 2011-12) (as on March, 2013)

(‘000 ha)

| Project Name             | Districts benefitted | Year of Inclusion | CCA         | CCA Covered till 31.3.2013 | Reported balance of executable CCA |
|--------------------------|----------------------|-------------------|-------------|----------------------------|------------------------------------|
| Cluster of 4 MI Projects |                      | 2003-04           | 0.44        | 0.216                      | 0.224                              |
| <b>Total</b>             |                      |                   | <b>0.44</b> | <b>0.216</b>               | <b>0.224</b>                       |

CCA - Cultural Command Area

**Source:** Planning and Progress Directorate, Central Water Commission, Ministry of Water Resource, (CAD wing) Govt. of India (Water and Related Statistics, 2015).  
<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf>  
 (Accessed on 08.06.2017)

**Table 6.10:** Central Released under the Command Area Development Programme (CADP)

(Rs. Lakh)

| Total up to end of VIII Plan | Up to IX Plan | Up to X Plan | Total XI Plan | During XII Plan |         |         | Cumulative Up to 2014-15 |
|------------------------------|---------------|--------------|---------------|-----------------|---------|---------|--------------------------|
|                              |               |              |               | 2012-13         | 2013-14 | 2014-15 |                          |
| 12.2                         | 12.2          | 19.7         | 0.0           | -               | 0.0     | -       | 19.7                     |

**Source:** Planning and Progress Directorate, Central Water Commission, Ministry of Water Resource, (CAD wing), Govt. of India (Water and Related Statistics, 2015).  
<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf>  
 (Accessed on 08.06.2017)

**Table 6.11:** Installation of Off-Grid/Decentralized Renewable Energy Systems/Devices

| Year                                   |          |        | 31.03.2014 | 31.03.2015 | 31.03.2016 |
|--|----------|--------|------------|------------|------------|
| Biogas Plants                          | (Nos.)   |        | 0.00       | 0.03       | 0.03       |
| Water Pumping/ Wind Mills              | (Nos.)   |        | 0          | -          | -          |
| SPV Pumps                              | (Nos.)   |        | 151        | 151        | 155        |
| Solar Photovoltaic (SPV) Systems       | SLS      | (Nos.) | 0.0        | 0.0        | 0.0        |
|  | HLS      | (Nos.) | 0.3        | 0.3        | 0.3        |
|  | SL       | (Nos.) | 0.6        | 0.6        | 0.6        |
|  | PP       | (KWP)  | 365.0      | 365.0      | 369.0      |
| Aerogen. Hybrid System                 | (KW)     |        | 2.00       | 2.00       | 2.00       |
| Solar Cooker#                          | (MW)     |        | -          | -          | -          |
| Biomass Gasifiers (Rural + Industrial) | (Nos.)   |        | -          | 1050       | 1,050      |
| Biomass (non bagasse)                  | (MW)     |        | -          | 150.9      | -          |
| Waste to Energy                        | (MW)     |        | -          | -          | -          |
| Remote Village Electrification         | Villages | (Nos.) | 60         | 60         | 10,128     |
|  | Hamlets  | (Nos.) | 782        | 782        | 100.0      |

SLS=Street Lighting System; HLS=Home Lighting System; SL=Solar Lantern; PP=Power Plants; SPV=Solar Photo Voltaic; SHP=Small Hydro Power; MW=Mega Watt; KWP=Kilowatt Peak

**Source:** Ministry of New and Renewable Energy, Ministry of Statistics and Programme Implementation.

Ministry of Statistics and Programme Implementation, Govt. of India (Energy Statistics, 2015-2016).

[http://www.mospi.gov.in/sites/default/files/publication\\_reports/Energy\\_statistics\\_2016.pdf](http://www.mospi.gov.in/sites/default/files/publication_reports/Energy_statistics_2016.pdf)

(Accessed on 27.06.2017)

**Table 6.12:** Source-wise Estimated Potential of Renewable Power (in MW)

| Power/ Energy        | 2012               | 2013 | 2014 | 2015  | 2016  |       |
|----------------------|--------------------|------|------|-------|-------|-------|
| Biomass Power        | 3                  | 3    | 3    | 3     | 3     |       |
| Waste to Energy      | 2                  | 2    | 2    | 2     | 2     |       |
| Wind Power           | 0                  | 0    | 0    | -     | -     |       |
| Small Hydro Power    | 47                 | 47   | 47   | 47    | 47    |       |
| Cogeneration bagasse | 0                  | 0    | 0    | -     | -     |       |
| Solar Energy         | -                  | -    | -    | 2,080 | 2,080 |       |
| <b>Total</b>         | Estimated Reverses | 52   | 52   | 52    | 2,131 | 2,131 |
|                      | Distribution(% )   | 0.06 | 0.06 | 0.04  | 0.24  | 0.18  |

**Source:** Ministry of New and Renewable Energy, Govt. of India.

(Energy Statistics, 2013, 2014, 2015, 2016, 2017); <http://mospi.nic.in/>; (Accessed on 22.06.2017)

**Table 6.13:** Installed Capacity of Power Utilities (Including allocated shares in Joint & Central Sector utilities) (as on July, 2017)

| Ownership /sector | Mode-wise Breakup |               |             |               |             |                 |              | Grand Total   |
|-------------------|-------------------|---------------|-------------|---------------|-------------|-----------------|--------------|---------------|
|                   | Thermal           |               |             |               | Nuclear     | Hydro (Renewal) | RES (MNRE)   |               |
|                   | Coal              | Gas           | Diesel      | Total         |             |                 |              |               |
| State             | 0.00              | 169.50        | 0.00        | 169.50        | 0.00        | 0.00            | 16.01        | 185.51        |
| Private           | 0.00              | 0.00          | 0.00        | 0.00          | 0.00        | 0.00            | 5.09         | 5.09          |
| Central           | 37.40             | 436.95        | 0.00        | 474.35        | 0.00        | 62.38           | 0.00         | 536.73        |
| <b>Sub-Total</b>  | <b>30.40</b>      | <b>606.45</b> | <b>0.00</b> | <b>643.85</b> | <b>0.00</b> | <b>62.38</b>    | <b>21.10</b> | <b>727.33</b> |

**Source:** Central Electricity Authority, Ministry of Power, Govt. of India.

[http://www.cea.nic.in/reports/monthly/installedcapacity/2017/installed\\_capacity-07.pdf](http://www.cea.nic.in/reports/monthly/installedcapacity/2017/installed_capacity-07.pdf)

(Accessed on 31.08.2017)

**Table 6.14:** Electricity-Installed Capacity, Generation and Consumption

[Installed Capacity: Thousand KW); Generation: Gwh]

| Year                          |                 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 |
|-------------------------------|-----------------|---------|---------|---------|---------|---------|---------|
| Installed Capacity            | Hydro           | -       | 0       | 0       | 0       | 0       | -       |
|                               | Steam           | -       | 0       | 0       | 0       | 0       | -       |
|                               | Diesel and Wind | 21      | 20.86   | 20.86   | 20.86   | 21      | -       |
|                               | Gas             | 128     | 127.5   | 148.5   | 148.5   | 149     | -       |
|                               | Nuclear         | -       | 0       | 0       | 0       | 0       | -       |
| <b>Total</b>                  |                 | 149     | 148.36  | 169.36  | 169.36  | 170     | 0       |
| Electricity generated (Gross) | Hydro           | -       | 0       | 0       | 0       | 0       | 0       |
|                               | Steam           | -       | 0       | 0       | 0       | 0       | 0       |
|                               | Diesel and Wind | 54      | 55.56   | 44.83   | 44.828  | 59      | 44.83   |
|                               | Gas             | 608     | 619.79  | 669.32  | 776.72  | 764     | 728.25  |
|                               | Nuclear         | -       | 0       | 0       | 0       | 0       | 0       |
| <b>Total</b>                  |                 | 662     | 675.35  | 714.15  | 821.548 | 823     | 773.08  |
| Consumption in Power Station  |                 | 10      | 10      | 9.65    | 8.05    | 8       | 7.53    |
| Electricity Generated (Net)   |                 | 652     | 665.35  | 704.5   | 813.498 | 815     | 765.55  |
| Consumption*                  |                 | 450.84  | 494.46  | 568.84  | 553.97  | 721.39  | 712.28  |
| Per capita consumption (kwh)  | Utilities       | 203.80  | 223.78  | 221.80  | 253.82  | 296.10  | 203.80  |
|                               | Non Utilities   | -       | -       | -       | 0.00    | 0.00    | -       |
| <b>Total@</b>                 |                 | 203.80  | 223.78  | 221.80  | 253.82  | 296.10  | 330.64  |

\*: Relates to sales to ultimate consumers; @: Relates to utility and non utility

**Source:** Central Electricity Authority, Ministry of Power, Ministry of Statistics & Programme Implementation, Govt. of India (Statistical Year Book India, 2016).

[http://mospiold.nic.in/Mospi\\_New/upload/SYB2016/ch16.html](http://mospiold.nic.in/Mospi_New/upload/SYB2016/ch16.html); (Accessed on 15.06.2017)

**Table 6.15:** Status of Hydropower Potential Development

(Installed Capacity)

| Capacity   | as on 31.03.2016 | as on 31.03. 2017 |
|--|------------------|-------------------|
| Identified Capacity Total (MW)                           | 15               | 15                |
| Above 25 MW  | 0                | 0                 |
| <b>Capacity Under Operation</b>                          |                  |                   |
| Mega Watts   | 0.0              | 0.0               |
| Percent  | 0.00             | 0.00              |
| <b>Capacity under Construction</b>                       |                  |                   |
| Mega Watts   | 0.0              | 0.0               |
| Percent  | 0.00             | 0.00              |
| <b>Capacity Under Operation &amp; Under Construction</b> |                  |                   |
| Mega Watts   | 0.0              | 0.0               |
| Percent  | 0.00             | 0.00              |
| <b>Capacity yet to be taken under Construction</b>       |                  |                   |
| Mega Watts   | 0.0              | 0.0               |
| Percent  | 0.00             | 0.00              |

**Source:** Central Electricity Authority, Ministry of Power, Govt. of India.  
[http://www.cea.nic.in/reports/monthly/hydro/2017/hydro\\_potential\\_region-03.pdf](http://www.cea.nic.in/reports/monthly/hydro/2017/hydro_potential_region-03.pdf)  
 (Accessed on 11.08.2017)

**Table 6.16:** Electricity Sold to Ultimate Consumers (Utilities only)

(Gwh)

| Electricity Sold                         | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14(P) |
|--|---------|---------|---------|---------|------------|
| Total Sold to Ultimate Consumers         | 494.46  | 568.84  | 568.84  | 721.39  | 712.28     |
| Domestic                                 | 262.24  | 290.80  | 290.80  | 403.59  | 390.40     |
| Commercial                               | 46.65   | 54.23   | 54.23   | 77.17   | 64.65      |
| Industrial Power at Low & Medium Voltage | 28.37   | 30.76   | 30.76   | 16.57   | 34.14      |
| Industrial Power at high voltage         | 58.35   | 60.74   | 60.74   | 37.06   | 68.97      |
| Public lighting                          | 13.73   | 28.10   | 28.10   | 11.32   | 34.75      |
| Traction                                 | 0.00    | 0.00    | 0.00    | 0.00    | 0.00       |
| Agriculture                              | 39.73   | 37.55   | 37.55   | 41.96   | 29.56      |
| Public water works & sewage pumping      | 44.39   | 48.09   | 48.09   | 46.87   | 67.51      |
| Miscellaneous                            | 1.00    | 18.57   | 18.57   | 86.85   | 22.30      |

P: Provisional

**Source:** Central Electricity Authority, Ministry of Power; Ministry of Statistics and Programme Implementation, Govt. of India (Statistical Year Book India, 2016).  
<http://www.mospi.gov.in/statistical-year-book-india/2016>; (Accessed on 03.06.2017)



**Table 6.17:** Towns and Villages Electrified

(in Nos.)

| Year                             | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|
| <b>Towns</b>                     |         |         |         |         |         |         |         |
| Number of Towns (2011 Census)    | 23      | 23      | 23      | 23      | 23      | 23      | 23      |
| Electrified                      | 23      | 23      | 23      | 23      | 23      | 23      | 23      |
| Percentage                       | 100     | 100     | 100     | 100     | 100     | 100     | 100     |
| <b>Villages</b>                  |         |         |         |         |         |         |         |
| Number of Villages (2011 Census) | 858     | 858     | 858     | 858     | 858     | 858     | 863     |
| Electrified                      | 491     | 491     | 491     | 569     | 611     | 797     | 837     |
| Percentage                       | 57.2    | 57.2    | 57.2    | 66.3    | 71.2    | 71.2    | 97.0    |

**Source:** Ministry of Statistics and Programme Implementation, Govt. of India

(Statistical Year Book, India 2016).

<http://www.mospi.gov.in/statistical-year-book-india/2016>; (Accessed on 06.06.2017)**Table 6.18:** Ground Water Resources Availability, Utilization and Stage of Development (as on, 2011)

| Year  |                              |                             | 2009   | 2011  |
|---|------------------------------|-----------------------------|--------|-------|
| Annual Replenishable Ground Water Resource                  | Monsoon Season               | Recharge from Rainfall      | 1.66   | 1.248 |
|   |                              | Recharge from other Sources | 0.0000 | 0.000 |
|   | Non-monsoon Season           | Recharge from Rainfall      | 0.73   | 0.740 |
|   |                              | Recharge from other Sources | 0.57   | 0.598 |
| <b>Total</b>  |                              |                             | 2.97   | 2.587 |
| Natural Discharge during Non-monsoon Season                 |                              |                             | 0.23   | 0.229 |
| Net Annual Ground Water Availability                        |                              |                             | 2.74   | 2.358 |
| Annual Ground Water Draft                                   | Irrigation                   |                             | 0.09   | 0.093 |
|   | Domestic and Industrial uses |                             | 0.07   | 0.069 |
|   | <b>Total</b>                 |                             | 0.16   | 0.163 |
| Projected Demand for Domestic and Industrial uses upto 2025 |                              |                             | 0.23   | 0.200 |
| Ground Water Availability for Future Irrigation use         |                              |                             | 2.42   | 2.065 |
| Stage of Ground Water Development (%)                       |                              |                             | 6      | 7     |

**Source:** Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India;

Central Ground Water Board Faridabad (Ground Water Year Book- India 2013-14 &amp; 2014-15).

<http://www.cgwb.gov.in/documents/Ground%20Water%20Year%20Book%202013-14.pdf><http://www.indiaenvironmentportal.org.in/files/file/Ground%20Water%20Year%20Book%202014-15.pdf>

(Accessed on 20.06.2017)

**Table 6.19:** Status of Ground Water Monitoring Wells

| Year       | Number of Ground Water Monitoring Stations |    |       |
|------------|--|----|-------|
|            | DW   | PZ | Total |
| 31.03.2013 | 32   | 9  | 41    |
| 31.03.2014 | 63   | 12 | 75    |

**Source:** Central Ground Water Board, Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India (Ground Water Year Book- India 2013-14 & 2014-15).  
<http://www.cgwb.gov.in/documents/Ground%20Water%20Year%20Book%202013-14.pdf>  
 (Accessed on 27.06.2017)  
<http://www.indiaenvironmentportal.org.in/files/file/Ground%20Water%20Year%20Book%202014-15.pdf>  
 (Accessed on 27.06.2017)

**Table 6.20:** Depth to water Level and Distribution of Percentage of Wells Period

| Year  |       | Pre Monsoon-2014 | August-2014 | November-2014 | January-2015 |       |
|---|-------|------------------|-------------|---------------|--------------|-------|
| No. of Wells Analysed   |       | 18               | 28          | 28            | 27           |       |
| Depth to Water Level (m bgl)  | Min   | 1.15             | 0.00        | 0.76          | 1.06         |       |
|   | Max   | 7.76             | 6.21        | 5.61          | 5.87         |       |
| Number & Percentage of Wells Showing Depth to Water Level (m bgl) in the Range of | 0-2   | No               | 2           | 15            | 8            | 7     |
|   |       | %                | 11.11       | 53.57         | 28.57        | 25.93 |
|   | 2-5   | No               | 7           | 12            | 18           | 16    |
|   |       | %                | 38.89       | 42.46         | 64.29        | 59.26 |
|   | 5-10  | No               | 9           | 1             | 2            | 4     |
|   |       | %                | 50.00       | 3.57          | 7.14         | 14.81 |
|   | 10-20 | No               | 0           | 0             | 0            | 0     |
|   |       | %                | 0.00        | 0.00          | 0.00         | 0.00  |
|   | 20-40 | No               | 0           | 0             | 0            | 0     |
|   |       | %                | 0.00        | 0.00          | 0.00         | 0.00  |
|   | > 40  | No               | 0           | 0             | 0            | 0     |
|   |       | %                | 0.00        | 0.00          | 0.00         | 0.00  |

**Source:** Central Ground Water Board, Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India (Ground Water Year Book- India 2014-15).  
<http://www.indiaenvironmentportal.org.in/files/file/Ground%20Water%20Year%20Book%202014-15.pdf>  
 (Accessed on 27.06.2017)

**Table 6.21:** Year-wise Central Assistance release to States for Major, Medium, ERM Projects under AIBP

(Rs. in Crore)

| Year               | Grant released (Amount in Rs. Crore) |         |         |         |         |         |         |         |         |         |         |         | Cumulative CLA/Grant released upto March 15 |
|--------------------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
|                    | CLA released Upto 2004-05            | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 |   |
| 2004-05 to 2013-14 | 30.92                                | 2.70    | 16.20   | 0.94    | 0.00    | 22.67   | 4.86    | 48.00   | 0.00    | 0.00    | 0.00    | 0.00    | 126.29                                      |

AIBP: Accelerated Irrigation Benefits Programme

**Source:** Mon(C), Project Monitoring Organisation, Central Water Commission; Water Resources Information System Directorate, Information System Organisation, Water Planning & Projects Wing, Central Water Commission, Govt. of India (Water and Related Statistics, 2015).

<http://www.cwc.gov.in/main/downloads/Water%20&%20Related%20Statistics%202015.pdf>  
(Accessed on 20.06.2017)

**Table 6.22:** Inland Water Resources of Various Types

| Rivers & Canals (Length in kms.) | Reservoirs (Lakh Hectares) | Tanks & Ponds (Lakh Hectares) | Floodplain Lakes & Derelict Water (Lakh Hectares) | Brackish Water (Lakh Hectares) | Total (Lakh Hectares) |
|----------------------------------|----------------------------|-------------------------------|---|--------------------------------|-----------------------|
| 1200                             | 0.05                       | 0.13                          | -   | -                              | 0.18                  |

**Source:** Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture. Ministry of Statistics and Programme Implementation, Central Statistics Office, Social Statistics Division, Govt. of India (Statistics Related to Climate Change-India 2015) (Annual Report 2014-15).

[http://www.mospi.gov.in/sites/default/files/publication\\_reports/climateChangeStat2015.pdf](http://www.mospi.gov.in/sites/default/files/publication_reports/climateChangeStat2015.pdf)  
(Accessed on 26.05.2017)

**Table 6.23:** Cumulative Installations of Solar Photovoltaic Systems

| Year | Solar photovoltaic systems (numbers) |             |               |       | Power plant kwp (kilowatt peak) |                 |
|------|--------------------------------------|-------------|---------------|-------|---------------------------------|-----------------|
|      | Lanterns                             | Home lights | Street lights | Pumps | Stands alone power plant        | Grid connected* |
| 2013 | 64282                                | 32723       | 1199          | 151   | 365                             | 0               |

\*India Energy Book 2012

**Table 6.24:** Break-up of the Energy Parks and Energy Clubs

| Year | Energy Parks (No.) |             | Renewable Energy Clubs (No.)* |
|------|--------------------|-------------|-------------------------------|
|      | District Level*    | State Level |                               |
| 2014 | 9                  | 1           | 8                             |

\* data up to 2012

**Source** (Tables 6.23-6.24): Ministry of New & Renewable Energy. Ministry of Statistics and Programme Implementation, Central Statistics Office, Social Statistics Division, Govt. of India (Statistics Related to Climate Change – India, 2015).

[http://www.mospi.gov.in/sites/default/files/publication\\_reports/climateChangeStat2015.pdf](http://www.mospi.gov.in/sites/default/files/publication_reports/climateChangeStat2015.pdf)  
(Accessed on 26.05.2017)