

## I. HIGHLIGHTS OF POWER SECTOR

### a Installed Generation Capacity (As on 31-10-11)

| All India | Thermal   |          |         |           | Nuclear | Hydro<br>(Renewable) | RES@<br>(MNRE) | Grand Total |
|-----------|-----------|----------|---------|-----------|---------|----------------------|----------------|-------------|
|           | Coal      | Gas      | Diesel  | Total     |         |                      |                |             |
| MW        | 100098.38 | 17742.85 | 1199.75 | 119040.98 | 4780.00 | 38706.40             | 20162.24       | 182689.62   |
| %age      | 54.8      | 9.7      | 0.7     | 65.2      | 2.6     | 21.2                 | 11.0           | 100.0       |

@ Based on data as on 30.06.2011.

### b Capacity Addition Target during 11th Plan

|      | Hydro | Thermal | Nuclear | Total |
|------|-------|---------|---------|-------|
| MW   | 15627 | 59693   | 3380    | 78700 |
| %age | 19.9  | 75.8    | 4.3     | 100.0 |

### c Generation Capacity Addition Target/Achievement (2011-12)

|  | Hydro  | Thermal | Nuclear | Total   |
|--|--------|---------|---------|---------|
| <b>Target</b><br>(MW)                    | 2080.0 | 14636.0 | 1000.0  | 17716.0 |
| <b>Achievement up to Oct.,11</b><br>(MW) | 1139.0 | 6361.5  | 0.0     | 7500.5  |
| %age                                     | 54.8   | 43.5    | 0.0     | 42.3    |

### d Electricity Generation Target/achievement (2011-12)

|  | Hydro    | Thermal   | Nuclear  | Bhutan<br>(Imp) | Total    |
|--|----------|-----------|----------|-----------------|----------|
| <b>Target</b><br>MU                    | 112050   | 712234    | 25130    | 5586            | 855000   |
| <b>Achievement up to Oct.,11</b><br>MU | 92094.93 | 393772.97 | 18729.25 | 4545.95         | 509143.1 |
| %age                                   | 82.19    | 55.29     | 74.53    | 81.38           | 59.55    |

### e Status of CEA Concurrence to Hydro Schemes

| Period  | Project report received | Carry forward from Prev. year | Under Prelim. Exam | Accepted for concurrence | Concurrence given by CEA | Project reports returned to Developer |
|---------|-------------------------|-------------------------------|--------------------|--------------------------|--------------------------|---------------------------------------|
|         |                         |                               |                    |                          |                          |                                       |
| 2007-08 | 13                      | -                             | -                  | 3                        | 4                        | 10                                    |
| 2008-09 | 8                       | 3                             | -                  | 1                        | 4                        | 5                                     |
| 2009-10 | 19                      | 10                            | 2                  | 9                        | 3                        | 6                                     |
| 2010-11 | 22                      | 20                            | 3                  | 7                        | 7                        | 20                                    |
| 2011-12 | 15                      | 23                            | 3                  | 8                        | 4                        | 4                                     |

### f All India Thermal PLF (%)

| 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 *             |
|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------|
| 72.7    | 74.8    | 73.6    | 76.8    | 78.6    | 77.2    | 77.48   | 75.07   | upto Oct. 11<br>71.14 |

provisional\*

| <b>g All India Annual per Capita consumption of Electricity</b> |                               |  |       |              |
|---|-------------------------------|--|-------|--------------|
| Year  | Per Capita Consumption ( kWh) |  |       |              |
|   | (As per U. N. methodology)    |  |       |              |
| 2003-04   |                               |  | 592.0 |              |
| 2004-05   |                               |  | 612.5 |              |
| 2005-06   |                               |  | 631.5 |              |
| 2006-07   |                               |  | 671.9 |              |
| 2007-08   |                               |  | 717.1 |              |
| 2008-09   |                               |  | 734.5 |              |
| 2009-10   |                               |  | 779*  | *provisional |

  

| <b>h All India Transformation, T&amp;D and AT&amp;C losses :</b> |                      |  |                  |  |
|--|----------------------|--|------------------|--|
| Year   | T&D losses(DMLF CEA) |  | AT&C Losses(PFC) |  |
| 2003-04  | 32.53                |  | 34.78            |  |
| 2004-05  | 31.25                |  | 34.33            |  |
| 2005-06  | 30.42                |  | 33.02            |  |
| 2006-07  | 28.65                |  | 30.62            |  |
| 2007-08  | 27.20                |  | 29.45            |  |
| 2008-09  | 25.47                |  | 27.74            |  |
| 2009-10  | NA                   |  | 27.15            |  |

  

|          |  |          |
|----------|--|----------|
| <b>i</b> | <b>a) All India Village Electrification (as on 30.09. 2011):</b> | 540228   |
|          | <b>b) Pumpsets Energised (as on 30.09. 2011):</b>                | 17633853 |

  

| <b>j All India Coal Consumption for Power Generation (Utilities)</b> |                                     |  |  |  |
|--|-------------------------------------|--|--|--|
| YEAR   | Coal Consumption ( Million Tonnes ) |  |  |  |
| 2002-03  | 253                                 |  |  |  |
| 2003-04  | 263                                 |  |  |  |
| 2004-05  | 278                                 |  |  |  |
| 2005-06  | 280                                 |  |  |  |
| 2006-07  | 302                                 |  |  |  |
| 2007-08  | 330                                 |  |  |  |
| 2008-09  | 355                                 |  |  |  |

  

| <b>k Average cost of power supply &amp; average realization ( paise/kWh )</b> |                             |                         |             |             |
|---|-----------------------------|-------------------------|-------------|-------------|
| Year  | cost of supply (paise/unit) | realization(paise/unit) |             |             |
|   |                             | Including               |             | Only        |
|   |                             | Agriculture             | Agriculture | Agriculture |
| 2003-04   | 239                         | 203                     |             | 72.39       |
| 2004-05   | 254                         | 209                     |             | 75.68       |
| 2005-06   | 260                         | 221                     |             | 76.36       |
| 2006-07   | 276                         | 227                     |             | 74.23       |
| 2007-08   | 293                         | 239                     |             | 77.27       |
| 2008-09   | 341                         | 262                     |             | 85.26       |
| 2009-10   | 354                         | 268                     |             | 89.05       |

Source:- PFC Reports on the performance of State Power Utilities

  

| <b>l Power supply Position 2011-12(OCTOBER,11)*</b> |                        |             |                 |              |
|---|------------------------|-------------|-----------------|--------------|
| Region  | Energy(MU) Requirement | Deficit %   | Peak Demand(MW) | Deficit %    |
| Northern  | 23,383                 | -12.1       | 36,981          | -14.4        |
| Western   | 22,338                 | -7.8        | 42,042          | -14.4        |
| Southern  | 22,633                 | -10.9       | 33,854          | -14.0        |
| Eastern   | 8,067                  | -4.0        | 14,121          | -4.9         |
| North Eastern                                       | 980                    | -9.4        | 1,909           | -6.7         |
| <b>All India</b>                                    | <b>77,401</b>          | <b>-9.6</b> | <b>128,907</b>  | <b>-13.1</b> |

\* Provisional