

**POWER GRID CORPORATION OF INDIA LIMITED  
S.R.L.D.C, BANGALORE**

**QUARTERLY REPORT**

**YEAR:2005-06/Quarter 2**

**July 05 to September 05**

Brief report on Regional Power System /Performance of the grid is given below:

**1. POWER SUPPLY POSITION**

**a) Peak Demand Met and Unrestricted Demand(MW)**

| Month     | State/UT      | Peak Demand Met (MW) | Unrestricted Demand (MW) | Shortage (MW) | Shortage (%) |
|-----------|---------------|----------------------|--------------------------|---------------|--------------|
| July      | Andhrapradesh | 6276                 | 6245                     | -31           | -0.50        |
|           | Karnataka     | 4499                 | 4526                     | 27            | 0.60         |
|           | Kerala        | 2218                 | 2236                     | 18            | 0.81         |
|           | Tamilnadu     | 7583                 | 7628                     | 45            | 0.59         |
|           | Pondicherry   | 245                  | 249                      | 4             | 1.61         |
|           | S.Region      | 20847                | 20947                    | 100           | 0.48         |
| August    | Andhrapradesh | 7275                 | 7244                     | -31           | -0.43        |
|           | Karnataka     | 4442                 | 4477                     | 35            | 0.78         |
|           | Kerala        | 2360                 | 2368                     | 8             | 0.34         |
|           | Tamilnadu     | 7719                 | 7744                     | 25            | 0.32         |
|           | Pondicherry   | 213                  | 214                      | 1             | 0.47         |
|           | S.Region      | 21134                | 21298                    | 164           | 0.77         |
| September | Andhrapradesh | 7067                 | 6942                     | -125          | -1.80        |
|           | Karnataka     | 4735                 | 4773                     | 38            | 0.80         |
|           | Kerala        | 2346                 | 2331                     | -15           | -0.64        |
|           | Tamilnadu     | 7592                 | 7581                     | -11           | -0.15        |
|           | Pondicherry   | 223                  | 223                      | 0             | 0.00         |
|           | S.Region      | 21112                | 20890                    | -222          | -1.06        |

**b) Energy available and Unrestricted requirement(MU)**

| Month     | State/UT      | Energy met Avg/Day (MU) | Requirement Avg/Day (MU) | Shortage (MU) | Shortage (%) |
|-----------|---------------|-------------------------|--------------------------|---------------|--------------|
| July      | Andhrapradesh | 132.84                  | 133.77                   | 0.94          | 0.70         |
|           | Karnataka     | 75.45                   | 76.00                    | 0.55          | 0.72         |
|           | Kerala        | 33.06                   | 33.32                    | 0.26          | 0.77         |
|           | Tamilnadu     | 140.84                  | 141.65                   | 0.81          | 0.57         |
|           | Pondicherry   | 4.42                    | 4.45                     | 0.03          | 0.72         |
|           | S.Region      | 386.61                  | 389.19                   | 2.58          | 0.66         |
| August    | Andhrapradesh | 149.32                  | 148.71                   | -0.61         | -0.41        |
|           | Karnataka     | 81.39                   | 81.03                    | -0.35         | -0.44        |
|           | Kerala        | 35.55                   | 35.39                    | -0.16         | -0.46        |
|           | Tamilnadu     | 139.45                  | 138.90                   | -0.55         | -0.39        |
|           | Pondicherry   | 4.23                    | 4.19                     | -0.03         | -0.77        |
|           | S.Region      | 409.94                  | 408.23                   | -1.71         | -0.42        |
| September | Andhrapradesh | 142.43                  | 140.87                   | -1.57         | -1.11        |
|           | Karnataka     | 83.13                   | 82.20                    | -0.93         | -1.14        |
|           | Kerala        | 35.70                   | 35.27                    | -0.43         | -1.23        |
|           | Tamilnadu     | 132.77                  | 131.43                   | -1.33         | -1.01        |
|           | Pondicherry   | 4.30                    | 4.23                     | -0.07         | -1.57        |
|           | S.Region      | 398.33                  | 394.00                   | -4.33         | -1.10        |

## 2. QUALITY OF SERVICE

### a) Frequency Profile (% time)

| Month     | <48.0Hz | 48.0- 49.0Hz | 49.0 - 49.5Hz | 49.5 - 50.5Hz | 50.5 - 51.0Hz | >51.0Hz |
|-----------|---------|--------------|---------------|---------------|---------------|---------|
| July      | 0       | 0.28         | 8.77          | 89.59         | 1.36          | 0       |
| August    | 0       | 0.06         | 0.32          | 98.71         | 0.91          | 0       |
| September | 0       | 0            | 0.11          | 94.27         | 5.62          | 0       |

### b) Voltage Profile

| Month     | Ramagundam |         | Hyderabad |         | Bangalore |         | Madras  |         | Neyveli |         |
|-----------|------------|---------|-----------|---------|-----------|---------|---------|---------|---------|---------|
|           | Max(kV)    | Min(kV) | Max(kV)   | Min(kV) | Max(kV)   | Min(kV) | Max(kV) | Min(kV) | Max(kV) | Min(kV) |
| July      | 419        | 403     | 429       | 408     | 419       | 382     | 428     | 385     | 423     | 403     |
| August    | 420        | 402     | 428       | 406     | 416       | 384     | 425     | 390     | 424     | 402     |
| September | 418        | 401     | 432       | 405     | 421       | 384     | 429     | 390     | 425     | 402     |

## 3. INTER-REGIONAL EXCHANGES(PHYSICAL) in MU

| Month     | Bhadravati BTB |        | Gazuwaka BTB |        | Talcher-Kolar Bipole |        |
|-----------|----------------|--------|--------------|--------|----------------------|--------|
|           | Import         | Export | Import       | Export | Import               | Export |
| July      | 27.85          | 80.57  | 165.32       | -      | 1254.32              | -      |
| August    | 1.76           | 224.53 | 153.20       | -      | 859.03               | -      |
| September | -              | 362.38 | 155.80       | -      | 731.64               | -      |

## 4. SCHEDULE Vs ACUAL DRAWAL BY STATES

| Month     | State/UT  | Schedule (MU) | Drawal (MU) | OD(+)/UD(-) |
|-----------|-----------|---------------|-------------|-------------|
| July      | APTRANSCO | 884.31        | 806.27      | -78.04      |
|           | KPTCL     | 825.59        | 902.85      | 77.26       |
|           | KSEB      | 606.83        | 496.04      | -110.79     |
|           | TNEB      | 1313.16       | 1489.35     | 176.19      |
|           | PONDY     | 152.57        | 145.49      | -7.07       |
|           | GOA       | 41.11         | 32.14       | -8.97       |
| August    | APTRANSCO | 476.34        | 338.86      | -137.48     |
|           | KPTCL     | 779.47        | 831.87      | 52.39       |
|           | KSEB      | 523.68        | 489.55      | -34.13      |
|           | TNEB      | 1282.96       | 1401.30     | 118.34      |
|           | PONDY     | 145.02        | 139.57      | -5.45       |
|           | GOA       | 37.60         | 33.83       | -3.77       |
| September | APTRANSCO | 364.14        | 305.49      | -58.65      |
|           | KPTCL     | 699.79        | 823.69      | 123.91      |
|           | KSEB      | 358.35        | 205.80      | -152.55     |
|           | TNEB      | 1217.62       | 1257.74     | 40.13       |
|           | PONDY     | 144.75        | 137.96      | -6.78       |
|           | GOA       | 38.28         | 34.91       | -3.37       |