

पॉवर सिस्टम ऑपरेशन कापोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 15.07.2011
Date of Reporting : 16.07.2011

I. Regional Availability/Demand:

| Evening Peak (20:00 Hrs) MW | | | | Off Peak (03:00 Hrs) MW | | | | Day Energy (Net MU) | |
|-----------------------------|----------|-------------|------------|-------------------------|----------|-------------|------------|---------------------|----------|
| Demand Met | Shortage | Requirement | Freq* (Hz) | Demand Met | Shortage | Requirement | Freq* (Hz) | Demand Met | Shortage |
| 33039 | 1200 | 34239 | 49.97 | 34719 | 365 | 35084 | 50.14 | 802.0 | 20.28 |

* Half hourly (two 15 minutes block-one block each before and after the designated time) average frequency

II. A. State's Load Energy Details (At States periphery) in MUs:

| State | State's Control Area Generation (Net MU) | | | | Drawal Schedule (Net MU) | Actual Drawal (Net MU) | UI (Net MU) | UI [OD:(+ve), UD:(-ve)] | |
|--------------|--|--------------|------------------|---------------|-----------------------------|---------------------------|----------------|-------------------------|---------------------|
| | Thermal | Hydro | Renewable/others | Total | | | | Consumption (Net MU) | Shortages * (MU) |
| Punjab | 45.70 | 18.53 | | 64.23 | 107.94 | 97.00 | -10.94 | 161.23 | 1.80 |
| Haryana | 65.73 | 0.61 | | 66.34 | 67.14 | 62.45 | -4.69 | 128.80 | 0.00 |
| Rajasthan | 67.65 | 0.00 | 9.70 | 77.35 | 39.35 | 44.34 | 4.99 | 121.68 | 0.00 |
| Delhi | 22.93 | | | 22.93 | 77.75 | 67.68 | -10.07 | 90.61 | 0.00 |
| UP | 63.48 | 13.17 | 1.20 | 77.85 | 138.94 | 139.77 | 0.83 | 217.62 | 18.48 |
| Uttarakhand | | 16.37 | | 16.37 | 8.62 | 11.71 | 3.09 | 28.08 | 0.00 |
| HP | | 22.65 | | 22.65 | -0.75 | -1.29 | -0.55 | 21.36 | 0.00 |
| J & K | | 14.76 | 0.00 | 14.76 | 13.02 | 12.71 | -0.31 | 27.47 | 0.00 |
| Chandigarh | | | | 0.00 | 5.97 | 5.12 | -0.85 | 5.12 | 0.00 |
| Total | 265.49 | 86.09 | 10.90 | 362.48 | 457.98 | 439.48 | -18.50 | 801.97 | 20.28 |

* Shortage furnished by the respective constituent.

II. B. State's Demand Met in MWs:

| State | Evening Peak (20:00 Hrs) MW | | | | Off Peak (03:00 Hrs) MW | | | | Day Energy MU |
|--------------|-----------------------------|-------------|--------------|---------------------|-------------------------|------------|-------------|---------------------|---------------------|
| | Demand Met | Shortage | UI | STOA/PX transaction | Demand Met | Shortage | UI | STOA/PX transaction | STOA/PX transaction |
| Punjab | 7066 | 150 | -426 | 2007 | 7462 | 0 | -543 | 2750 | 56.40 |
| Haryana | 5510 | 0 | -127 | 1210 | 5170 | 0 | -54 | 1265 | 28.98 |
| Rajasthan | 4358 | 0 | -375 | 59 | 5345 | 0 | 417 | -400 | -5.52 |
| Delhi | 3908 | 0 | -240 | 440 | 3529 | 0 | -659 | 381 | 11.61 |
| UP | 8572 | 1050 | -162 | 1724 | 10165 | 365 | 1088 | 1722 | 41.34 |
| Uttarakhand | 1333 | 0 | 472 | -151 | 1136 | 0 | -111 | -151 | -3.62 |
| HP | 772 | 0 | -147 | -1635 | 831 | 0 | -102 | -1651 | -39.33 |
| J&K | 1296 | 0 | -3 | -547 | 871 | 0 | -162 | -590 | -13.64 |
| Chandigarh | 224 | 0 | -25 | 29 | 210 | 0 | -12 | 9 | 0.85 |
| Total | 33039 | 1200 | -1033 | 3136 | 34719 | 365 | -138 | 3336 | 77.08 |

* STOA figures are at sellers boundary & PX figures are at regional boundary.

III. Regional Entities :

| Station/ Constituent | Inst. Capacity (Effective) MW | Declared Capacity(MW) | Peak MW (Gross) | Off Peak MW (Gross) | Energy (Net MU) | Average Sentout(MW) | UI [OG:(+ve), UG:(-ve)] | |
|---|----------------------------------|--------------------------|--------------------|------------------------|--------------------|------------------------|-------------------------|--------------|
| | | | | | | | Schedule Net MU | UI Net MU |
| A. NTPC | | | | | | | | |
| Singrauli STPS | 2000 | 1720 | 1827 | 1721 | 40.21 | 1675 | 38.49 | 1.72 |
| Rihand I STPS | 1000 | 960 | 1045 | 951 | 23.13 | 964 | 21.53 | 1.60 |
| Rihand II STPS | 1000 | 938 | 1019 | 980 | 21.72 | 905 | 21.15 | 0.58 |
| Dadri I STPS | 840 | 800 | 587 | 683 | 14.42 | 601 | 15.66 | -1.24 |
| Dadri II STPS | 980 | 960 | 960 | 969 | 19.83 | 826 | 20.83 | -1.00 |
| Unchahar I TPS | 440 | 403 | 439 | 410 | 8.85 | 369 | 8.86 | -0.01 |
| Unchahar II TPS | 440 | 594 | 436 | 406 | 8.01 | 334 | 7.91 | 0.11 |
| Unchahar III TPS | 210 | 196 | 214 | 191 | 4.33 | 180 | 4.05 | 0.28 |
| I-STPP (Jhajjar) | 500 | 454 | 391 | 454 | 9.61 | 400 | 10.25 | -0.64 |
| Dadri GPS | 830 | 483 | 327 | 364 | 7.44 | 310 | 7.49 | -0.05 |
| Anta GPS | 419 | 385 | 332 | 296 | 6.90 | 287 | 7.10 | -0.20 |
| Auraiya GPS | 663 | 611 | 572 | 515 | 12.22 | 509 | 11.79 | 0.43 |
| Sub Total (A) | 9322 | 8504 | 8149 | 7940 | 176.68 | 7362 | 175.11 | 1.56 |
| B. NPC | | | | | | | | |
| NAPS | 440 | 183 | 231 | 222 | 4.50 | 187 | 4.39 | 0.11 |
| RAPS- B | 440 | 384 | 431 | 433 | 9.29 | 387 | 9.22 | 0.07 |
| RAPS- C | 440 | 385 | 452 | 340 | 8.68 | 362 | 9.24 | -0.56 |
| Sub Total (B) | 1320 | 952 | 1114 | 995 | 22.46 | 936 | 22.85 | -0.38 |
| C. NHPC | | | | | | | | |
| Chamera I HPS | 540 | 534 | 540 | 540 | 12.76 | 532 | 12.81 | -0.04 |
| Chamera II HPS | 300 | 297 | 302 | 302 | 7.18 | 299 | 7.24 | -0.07 |
| Bairasui HPS | 180 | 179 | 179 | 0 | 2.08 | 87 | 2.18 | -0.10 |
| Salal-HPS | 690 | 625 | 626 | 625 | 14.97 | 624 | 15.00 | -0.03 |
| Tanakpur-HPS | 94 | 93 | 95 | 62 | 1.47 | 61 | 1.51 | -0.04 |
| Uri-HPS | 480 | 396 | 451 | 402 | 9.04 | 377 | 9.55 | -0.51 |
| Dhauliganga-HPS | 280 | 277 | 203 | 275 | 6.66 | 278 | 6.72 | -0.06 |
| Dulhasti-HPS | 390 | 387 | 407 | 407 | 9.16 | 382 | 9.33 | -0.17 |
| Sewa-II HPS | 120 | 85 | 80 | 0 | 0.65 | 27 | 0.82 | -0.16 |
| Sub Total (C) | 3074 | 2873 | 2883 | 2613 | 63.97 | 2666 | 65.16 | -1.18 |
| D. NJPC | | | | | | | | |
| Nathpa Jhakri | 1500 | 1593 | 1617 | 1615 | 38.33 | 1597 | 38.21 | 0.12 |
| Sub Total (D) | 1500 | 1593 | 1617 | 1615 | 38.33 | 1597 | 38.21 | 0.12 |
| E. THDC | | | | | | | | |
| Tehri HPS | 1000 | 674 | 730 | 730 | 15.60 | 650 | 15.50 | 0.10 |
| Koteshwar HPS | 100 | 0 | 733 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (E) | 1100 | 674 | 1463 | 730 | 15.60 | 650 | 15.50 | 0.10 |
| F. BBMB | | | | | | | | |
| Bhakra HPS | 1480 | 953 | 1077 | 969 | 23.38 | 974 | 22.87 | 0.51 |
| Dehar HPS | 990 | 607 | 660 | 560 | 14.74 | 614 | 14.58 | 0.17 |
| Ponq HPS | 396 | 293 | 366 | 240 | 7.31 | 305 | 7.02 | 0.29 |
| Sub Total (F) | 2866 | 1853 | 2103 | 1769 | 45.43 | 1893 | 44.47 | 0.96 |
| G. IPP(s)/JV(s) | | | | | | | | |
| ADHPL HPS(IPP) | 192 | 0 | 148 | 118 | 2.98 | 124 | 3.00 | -0.03 |
| KWHEP HPS(IPP) | 500 | 0 | 600 | 600 | 13.91 | 579 | 13.63 | 0.27 |
| Sub Total (G) | 692 | 0 | 748 | 718 | 16.88 | 703 | 16.64 | 0.25 |
| H. Total Regional Entities (A-G) | 19875 | 16448 | 18077 | 16380 | 379.36 | 15807 | 377.93 | 1.42 |

| I. State Entities | Station | Effective Installed Capacity (MW) | Peak MW | Off Peak MW | Energy(MU) | Average(Sent out MW) | |
|---|---------------------------------|-----------------------------------|--------------|--------------|---------------|----------------------|-------------|
| Punjab | Guru Gobind Singh TPS (Ropar) | 1260 | 1050.00 | 1050.00 | 21.75 | 906 | |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 243.00 | 205.00 | 4.89 | 204 | |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 913.00 | 822.00 | 19.07 | 795 | |
| | Thermal (Total) | 2620 | 2206.00 | 2077.00 | 45.70 | 1904 | |
| | Total Hydro | 1148 | 819.00 | 759.00 | 18.53 | 772 | |
| | Total Punjab | 3768 | 3025 | 2836 | 64.23 | 2676 | |
| Haryana | Panipat TPS | 1360 | 1181.00 | 1183.00 | 28.49 | 1187 | |
| | DCRTPP (Yamuna nagar) | 600 | 262.00 | 285.00 | 6.27 | 261 | |
| | Faridabad GPS (NTPC) | 432 | 379.00 | 320.00 | 8.07 | 336 | |
| | RGTPP (khedar) (IPP) | 1200 | 942.00 | 887.00 | 22.91 | 955 | |
| | Magnum Diesel (IPP) | 25 | 0.00 | 0.00 | 0.00 | 0 | |
| | Thermal (Total) | 3617 | 2764.00 | 2675.00 | 65.73 | 2739 | |
| | Total Hydro | 62 | 0.00 | 37.00 | 0.61 | 26 | |
| | | Total Haryana | 3679 | 2764 | 2712 | 66.34 | 2764 |
| Rajasthan | kota TPS | 1240 | 708.00 | 768.00 | 17.76 | 740 | |
| | suratgarh TPS | 1500 | 1150.00 | 1287.00 | 29.86 | 1244 | |
| | Chabra TPS | 500 | 224.00 | 227.00 | 5.21 | 217 | |
| | Dholpur GPS | 330 | 270.00 | 220.00 | 6.74 | 281 | |
| | Ramgarh GPS | 113 | 56.00 | 56.00 | 1.38 | 58 | |
| | RAPS A (NPC) | 300 | 170.00 | 172.00 | 4.26 | 178 | |
| | Barsingsar (NLC) | 250 | 59.00 | 32.00 | 1.01 | 42 | |
| | Giral LTPS (IPP) | 250 | 72.00 | 49.00 | 1.43 | 60 | |
| | Rajwest LTPS (IPP) | 135 | 0.00 | 0.00 | 0.00 | 0 | |
| | VSLP LTPS (IPP) | 135 | 0.00 | 0.00 | 0.00 | 0 | |
| | Thermal (Total) | 4753 | 2709.00 | 2811.00 | 67.65 | 2819 | |
| | Total Hydro | 550 | 0.00 | 0.00 | 0.00 | 0 | |
| | Wind power | 1294 | 228.00 | 630.00 | 9.18 | 383 | |
| | Biomass | 71 | 23.00 | 23.00 | 0.52 | 22 | |
| | Renewable/Others (Total) | 1365 | 251 | 653 | 9.70 | 404 | |
| | | Total Rajasthan | 6668 | 2960 | 3464 | 77.35 | 3223 |
| UP | Anpara TPS | 1630 | 1001 | 879 | 22.88 | 953 | |
| | Obra TPS | 1442 | 446 | 440 | 10.63 | 443 | |
| | Paricha TPS | 640 | 250 | 403 | 7.70 | 321 | |
| | Panki TPS | 210 | 90 | 80 | 1.99 | 83 | |
| | Harduaganj TPS | 375 | 0 | 0 | 0.00 | 0 | |
| | Tanda TPS (NTPC) | 440 | 293 | 284 | 7.14 | 298 | |
| | Roza TPS (IPP) | 600 | 558 | 540 | 13.14 | 547 | |
| | Thermal (Total) | 5337 | 2638 | 2626 | 63.48 | 2645 | |
| | Vishnuparyag HPS (IPP) | 400 | 436 | 436 | 10.29 | 429 | |
| | Other Hydro | 527 | 59 | 29 | 2.88 | 120 | |
| | Cogeneration | 951 | 50 | 50 | 1.20 | 50 | |
| | | Total UP | 7215 | 3183 | 3141 | 77.85 | 2815 |
| | Uttarakhand | Total Hydro | 1303 | 491 | 882 | 16.37 | 682 |
| | | Total Uttarakhand | 1303 | 491 | 882 | 16.37 | 682 |
| Delhi | Rajghat TPS | 135 | 0 | 0 | 0.00 | 0 | |
| | Delhi Gas Turbine | 282 | 149 | 150 | 3.64 | 152 | |
| | Praagati Gas Turbine | 330 | 299 | 301 | 7.24 | 302 | |
| | Rithala GPS | 108 | 44 | 29 | 0.78 | 32 | |
| | Bawana GPS | 440 | 0 | 0 | 0.00 | 0 | |
| | Badarpur TPS (NTPC) | 705 | 485 | 475 | 11.27 | 469 | |
| | Thermal (Total) | 2000 | 977 | 955 | 22.93 | 955 | |
| | | Total Delhi | 2000 | 977 | 955 | 22.93 | 955 |
| HP | Baspa HPS (IPP) | 300 | 330 | 330 | 7.92 | 330 | |
| | Malana HPS (IPP) | 86 | 100 | 105 | 2.34 | 97 | |
| | Other Hydro | 584 | 513 | 545 | 12.39 | 516 | |
| | | Total HP | 970 | 943 | 980 | 22.65 | 944 |
| J & K | Baglihar HPS (IPP) | 450 | 441 | 441 | 10.23 | 426 | |
| | Other Hydro | 323 | 190 | 0 | 4.53 | 189 | |
| | Gas/Diesel/Others | 183 | 0 | 0 | 0.00 | 0 | |
| | | Total J & K | 956 | 631 | 441 | 14.76 | 615 |
| Total State Control Area Generation | | 26559 | 14974 | 15411 | 362.48 | 14675 | |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 2402 | 3729 | 78.70 | 3279 | |
| Total Regional Availability(Gross) | | 46434 | 35453 | 35520 | 820.54 | 33760 | |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 9233 | 8814 | 7445 | 180.22 | 7509 |
| State Control Area Hydro | 4497 | 3572 | 3432 | 80.29 | 3345 |
| Total Regional Hydro | 13729 | 12386 | 10877 | 260.50 | 10854 |

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

| Element | Peak(20:00 Hrs) | Off Peak(03:00 Hrs) | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|----------------------|-----------------|---------------------|--------------------------|--------|--------------|-------------|---------------|
| | MW | MW | Import | Export | Import | Export | |
| Vindhychal B/B | 300 | 500 | 500 | 0 | 8.82 | 0.00 | 8.82 |
| Gwalior-Agra (D/C) | 845 | 1164 | 1344 | 0 | 25.95 | 0.00 | 25.95 |
| Zerda-Kankroli | 0 | 113 | 181 | 27 | 0.86 | 0.00 | 0.86 |
| Zerda-Bhinmal | 38 | 100 | 344 | 148 | 2.83 | 0.00 | 2.83 |
| Malanpur-Auraiya | -38 | -19 | 0 | 38 | 0.00 | 0.25 | -0.25 |
| Badod-Kota/Morak | -21 | 55 | 80 | 21 | 0.73 | 0.00 | 0.73 |
| Sub Total WR | 1145 | 1858 | | | 38.46 | 0.25 | 38.21 |
| Pusauli Bypass | -149 | -147 | 0 | 199 | 0.00 | 3.14 | -3.14 |
| MZP- GKP (D/C) | 604 | 964 | 1108 | 0 | 22.09 | 0.00 | 22.09 |
| Patna-Balia(D/C) | 417 | 451 | 563 | 0 | 11.00 | 0.00 | 11.00 |
| B'Sharif-Balia (D/C) | 221 | 412 | 447 | 0 | 5.91 | 0.00 | 5.91 |
| Pusauli-Sahupuri | 164 | 191 | 195 | 0 | 4.63 | 0.00 | 4.63 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Son Ngr-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sub Total ER | 1257 | 1871 | | | 43.63 | 3.14 | 40.49 |
| Total IR Exch | 2402 | 3729 | | | 82.09 | 3.39 | 78.70 |

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

| ISGS/LT Schedule (MU) | | | Bilateral Schedule (MU) | | Power Exchange Shdl (MU) | | Wheeling (MU) | |
|-----------------------|--------|-------|-------------------------|------------|--------------------------|------------|---------------|------------|
| ER | Bhutan | Total | Through ER | Through WR | Through ER | Through WR | Through ER | Through WR |
| 18.44 | 3.71 | 22.15 | 27.62 | 36.09 | 6.24 | 3.62 | 0.00 | 0.00 |

| Total IR Schedule (MU) | | | Total IR Actual (MU) | | | Net IR UI (MU) | | |
|------------------------|------------|-------|----------------------|------------|-------|----------------|------------|--------|
| Through ER | Through WR | Total | Through ER | Through WR | Total | Through ER | Through WR | Total |
| 56.00 | 39.38 | 95.38 | 40.49 | 38.21 | 78.70 | -15.51 | -1.17 | -16.68 |

VI. Frequency Profile <----- % of Time Frequency ----->

| <48.80 | <49.0 | <49.20 | <49.50 | <49.7 | 49.5 - 50.2 | 49.7 - 50.2 | > 50.00 | > 50.2 |
|--------|-------|--------|--------|-------|-------------|-------------|---------|--------|
| 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 97.40 | 96.40 | 41.50 | 2.60 |

| <----- Frequency (Hz) -----> | | | | Average Frequency | Frequency Variation Index | Std. Dev. | Frequency in 15 Min Block | |
|------------------------------|-------|---------|-------|-------------------|---------------------------|-----------|---------------------------|----------|
| Maximum | | Minimum | | | | | MAX (Hz) | MIN (Hz) |
| Freq | Time | Freq | Time | Hz | | | | |
| 50.34 | 18.04 | 49.61 | 14.49 | 49.98 | 0.13 | 0.11 | 50.30 | 49.86 |

VII. Voltage profile

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | |
|------------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <380 kV | <390 kV | >420 kV | >430 kV |
| Rihand | 400 | 409 | 18:16 | 400 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 431 | 18:00 | 419 | 02:00 | 0.0 | 0.0 | 88.4 | 6.9 |
| Bareilly | 400 | 416 | 08:00 | 400 | 03:00 | 45.9 | 45.9 | 1.1 | 0.0 |
| Kanpur | 400 | 418 | 08:04 | 403 | 22:15 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 411 | 13:26 | 400 | 00:07 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 418 | 07:23 | 406 | 00:08 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bawana | 400 | 412 | 07:23 | 400 | 00:08 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 426 | 04:01 | 412 | 00:06 | 0.0 | 0.0 | 48.4 | 0.0 |
| Hissar | 400 | 409 | 03:50 | 398 | 14:49 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 412 | 04:00 | 402 | 11:56 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 414 | 03:50 | 403 | 10:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 414 | 21:27 | 402 | 00:04 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 414 | 06:04 | 402 | 11:53 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 410 | 03:59 | 394 | 13:53 | 0.0 | 0.0 | 0.0 | 0.0 |

VIII. Reservoir Parameters:

| Name of Reservoir | Parameters | | Present Parameters | | Last Year | | Last day | |
|-------------------|------------|----------|--------------------|-------------|-----------|-------------|---------------|--------------|
| | FRL (m) | MDDL (m) | Level (m) | Energy (MU) | Level (m) | Energy (MU) | Inflow (m³/s) | Usage (m³/s) |
| Bhakra | 513.59 | 445.62 | 496.81 | 738.57 | 475.67 | 368.17 | 1549.50 | 779.17 |
| Pong | 426.72 | 384.05 | 412.48 | 577.87 | 394.30 | 116.59 | 622.12 | 451.94 |
| Tehri | 829.79 | 740.04 | 770.00 | 208.27 | NA | NA | 610.79 | 456.00 |
| Koteswar | 612.50 | 598.50 | NA | NA | NA | NA | NA | NA |
| Chamera-I | 760.00 | 748.75 | 756.70 | 11.61 | 755.00 | NA | 348.73 | 346.09 |
| Rihand | 268.22 | 252.98 | 256.82 | NA | 254.66 | NA | NA | NA |
| RPS | 352.80 | 343.81 | NA | NA | NA | NA | NA | NA |
| Jawahar Sagar | 298.70 | 295.78 | NA | NA | NA | NA | NA | NA |
| RSD | 527.91 | 487.91 | 508.92 | NA | 501.86 | NA | 368.49 | 266.83 |

IX. System Constraints:

X. Grid Disturbance / Any Other Significant Event:

XI. Weather Conditions For 15.07.2011 :

1 : Partial rains in in NR.

XII. Synchronisation of new generating units :

XIII. Synchronisation of new 400 / 765 KV lines and energising of bus / /substation :

XIV. Tripping of lines in pooling stations :

XV. Complete generation loss in a generating station :

Report for : 15.07.2011

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER