

पॉवर सिस्टम ऑपरेशन कापोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 13.07.2011
Date of Reporting : 14.07.2011

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 |
| 34994 | 3941 | 38935 | 49.62 | 35972 | 1024 | 36996 | 49.97 | 843.6 | 42.24 |

* 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 | 47.99 | 24.58 | | 72.57 | 114.81 | 116.87 | 2.05 | 189.44 | 6.83 |
| Haryana | 52.98 | 1.07 | | 54.05 | 72.19 | 74.34 | 2.15 | 128.39 | 5.11 |
| Rajasthan | 66.22 | 0.05 | 10.44 | 76.72 | 32.94 | 48.35 | 15.41 | 125.07 | 7.10 |
| Delhi | 22.46 | | | 22.46 | 82.80 | 76.95 | -5.86 | 99.41 | 0.10 |
| UP | 59.94 | 14.57 | 1.20 | 75.70 | 139.11 | 139.99 | 0.88 | 215.69 | 22.54 |
| Uttarakhand | | 21.18 | | 21.18 | 9.25 | 9.00 | -0.26 | 30.18 | 0.58 |
| HP | | 23.36 | | 23.36 | -1.49 | -0.84 | 0.65 | 22.52 | 0.00 |
| J & K | | 15.25 | 0.00 | 15.25 | 12.99 | 11.93 | -1.05 | 27.18 | 0.00 |
| Chandigarh | | | | 0.00 | 6.37 | 5.74 | -0.63 | 5.74 | 0.00 |
| Total | 249.59 | 100.06 | 11.64 | 361.29 | 468.98 | 482.32 | 13.35 | 843.61 | 42.24 |

* 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 | 8121 | 640 | 272 | 1954 | 8218 | 0 | -182 | 2688 | 54.31 | |
| Haryana | 5145 | 821 | 331 | 1196 | 5602 | 0 | 261 | 1085 | 26.67 | |
| Rajasthan | 5157 | 1430 | 692 | -596 | 5262 | 124 | 515 | -575 | -13.44 | |
| Delhi | 4478 | 0 | -64 | 395 | 3732 | 0 | -262 | 150 | 7.28 | |
| UP | 8546 | 1050 | -291 | 1724 | 9911 | 900 | 783 | 1724 | 41.34 | |
| Uttarakhand | 1274 | 0 | 26 | -100 | 1254 | 0 | 30 | -100 | -2.40 | |
| HP | 806 | 0 | -149 | -1635 | 867 | 0 | 26 | -1753 | -39.91 | |
| J&K | 1200 | 0 | -62 | -547 | 922 | 0 | -121 | -597 | -13.71 | |
| Chandigarh | 267 | 0 | -12 | 29 | 204 | 0 | -22 | 9 | 0.80 | |
| Total | 34994 | 3941 | 743 | 2420 | 35972 | 1024 | 1028 | 2631 | 60.95 | |

* 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 | 1703 | 1843 | 1842 | 41.72 | 1738 | 40.87 | 0.84 |
| Rihand I STPS | 1000 | 960 | 1043 | 1048 | 23.24 | 968 | 23.04 | 0.20 |
| Rihand II STPS | 1000 | 970 | 1045 | 1035 | 23.40 | 975 | 23.28 | 0.12 |
| Dadri I STPS | 840 | 800 | 866 | 869 | 19.25 | 802 | 19.20 | 0.05 |
| Dadri II STPS | 980 | 960 | 1016 | 1014 | 23.08 | 961 | 22.95 | 0.13 |
| Unchahar I TPS | 440 | 403 | 441 | 436 | 9.70 | 404 | 9.67 | 0.03 |
| Unchahar II TPS | 440 | 594 | 433 | 436 | 9.58 | 399 | 9.45 | 0.13 |
| Unchahar III TPS | 210 | 199 | 220 | 215 | 4.76 | 198 | 4.78 | -0.02 |
| I-STPP (Jhajjar) | 500 | 450 | 459 | 443 | 9.44 | 393 | 10.78 | -1.34 |
| Dadri GPS | 830 | 503 | 355 | 383 | 8.77 | 365 | 10.68 | -1.91 |
| Anta GPS | 419 | 390 | 384 | 367 | 8.94 | 373 | 8.58 | 0.37 |
| Auraiya GPS | 663 | 613 | 621 | 602 | 13.79 | 575 | 13.52 | 0.27 |
| Sub Total (A) | 9322 | 8545 | 8726 | 8690 | 195.67 | 8153 | 196.80 | -1.13 |
| B. NPC | | | | | | | | |
| NAPS | 440 | 187 | 217 | 221 | 4.41 | 184 | 4.49 | -0.08 |
| RAPS- B | 440 | 387 | 422 | 428 | 9.18 | 382 | 9.29 | -0.11 |
| RAPS- C | 440 | 410 | 452 | 416 | 9.38 | 391 | 9.84 | -0.46 |
| Sub Total (B) | 1320 | 984 | 1091 | 1065 | 22.96 | 957 | 23.62 | -0.66 |
| C. NHPC | | | | | | | | |
| Chamera I HPS | 540 | 534 | 540 | 540 | 12.99 | 541 | 12.83 | 0.16 |
| Chamera II HPS | 300 | 297 | 301 | 303 | 7.24 | 302 | 7.21 | 0.03 |
| Bairasuil HPS | 180 | 179 | 179 | 60 | 1.80 | 75 | 1.67 | 0.14 |
| Salal-HPS | 690 | 625 | 626 | 626 | 15.00 | 625 | 14.99 | 0.01 |
| Tanakpur-HPS | 94 | 94 | 94 | 94 | 2.23 | 93 | 2.19 | 0.04 |
| Uri-HPS | 480 | 411 | 472 | 454 | 9.93 | 414 | 9.93 | 0.00 |
| Dhauliganga-HPS | 280 | 277 | 277 | 275 | 6.70 | 279 | 6.67 | 0.03 |
| Dulhasti-HPS | 390 | 387 | 410 | 331 | 9.27 | 386 | 9.10 | 0.17 |
| Sewa-II HPS | 120 | 79 | 86 | 0 | 0.86 | 36 | 0.73 | 0.13 |
| Sub Total (C) | 3074 | 2883 | 2985 | 2683 | 66.03 | 2751 | 65.32 | 0.71 |
| D. NJPC | | | | | | | | |
| Nathpa Jhakri | 1500 | 1593 | 1616 | 1617 | 38.27 | 1595 | 38.22 | 0.05 |
| Sub Total (D) | 1500 | 1593 | 1616 | 1617 | 38.27 | 1595 | 38.22 | 0.05 |
| E. THDC | | | | | | | | |
| Tehri HPS | 1000 | 668 | 725 | 699 | 15.28 | 637 | 15.00 | 0.28 |
| Koteshwar HPS | 100 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (E) | 1100 | 668 | 725 | 699 | 15.28 | 637 | 15.00 | 0.28 |
| F. BBMB | | | | | | | | |
| Bhakra HPS | 1480 | 1017 | 1060 | 1046 | 24.92 | 1038 | 24.42 | 0.50 |
| Dehar HPS | 990 | 608 | 660 | 640 | 15.24 | 635 | 14.59 | 0.65 |
| Pong HPS | 396 | 293 | 366 | 240 | 7.22 | 301 | 7.04 | 0.18 |
| Sub Total (F) | 2866 | 1918 | 2086 | 1926 | 47.38 | 1974 | 46.04 | 1.34 |
| G. IPP(s)/JV(s) | | | | | | | | |
| ADHPL HPS(IPP) | 192 | 0 | 197 | 117 | 3.24 | 135 | 3.10 | 0.15 |
| KWHEP HPS(IPP) | 500 | 0 | 600 | 600 | 13.91 | 579 | 14.23 | -0.32 |
| Sub Total (G) | 692 | 0 | 797 | 717 | 17.15 | 715 | 17.33 | -0.18 |
| H. Total Cental (A-G) | 19875 | 16590 | 18026 | 17397 | 402.73 | 16780 | 402.31 | 0.42 |

| 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 | 1040.00 | 830.00 | 21.40 | 891 | |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 280.00 | 290.00 | 5.96 | 248 | |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 918.00 | 923.00 | 20.64 | 860 | |
| | Thermal (Total) | 2620 | 2238.00 | 2043.00 | 47.99 | 1999 | |
| | Total Hydro | 1148 | 1118.00 | 1118.00 | 24.58 | 1024 | |
| | Total Punjab | 3768 | 3356 | 3161 | 72.57 | 3024 | |
| Haryana | Panipat TPS | 1360 | 1166.00 | 1167.00 | 28.11 | 1171 | |
| | DCRTPP (Yamuna nagar) | 600 | 114.00 | 450.00 | 7.64 | 318 | |
| | Faridabad GPS (NTPC) | 432 | 388.00 | 398.00 | 9.25 | 385 | |
| | RGTPP (khedar) (IPP) | 1200 | 0.00 | 271.00 | 7.98 | 333 | |
| | Magnum Diesel (IPP) | 25 | 0.00 | 0.00 | 0.00 | 0 | |
| | Thermal (Total) | 3617 | 1668.00 | 2286.00 | 52.98 | 2207 | |
| | Total Hydro | 62 | 39.00 | 42.00 | 1.07 | 45 | |
| | | Total Haryana | 3679 | 1707 | 2328 | 54.05 | 2252 |
| Rajasthan | kota TPS | 1240 | 737.00 | 766.00 | 17.57 | 732 | |
| | suratgarh TPS | 1500 | 1297.00 | 1252.00 | 30.98 | 1291 | |
| | Chabra TPS | 500 | 218.00 | 178.00 | 2.88 | 120 | |
| | Dholpur GPS | 330 | 273.00 | 185.00 | 6.65 | 277 | |
| | Ramgarh GPS | 113 | 56.00 | 57.00 | 1.39 | 58 | |
| | RAPS A (NPC) | 300 | 170.00 | 173.00 | 4.26 | 178 | |
| | Barsingsar (NLC) | 250 | 0.00 | 0.00 | 0.00 | 0 | |
| | Giral LTPS (IPP) | 250 | 114.00 | 92.00 | 2.49 | 104 | |
| | 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 | 2865.00 | 2703.00 | 66.22 | 2759 | |
| | Total Hydro | 550 | 2.00 | 0.00 | 0.05 | 2 | |
| | Wind power | 1294 | 144.00 | 651.00 | 9.89 | 412 | |
| | Biomass | 71 | 23.00 | 23.00 | 0.55 | 23 | |
| | Renewable/Others (Total) | 1365 | 167 | 674 | 10.44 | 435 | |
| | | Total Rajasthan | 6668 | 3034 | 3377 | 76.72 | 3196 |
| | UP | Anpara TPS | 1630 | 1004 | 997 | 21.57 | 899 |
| Obra TPS | | 1442 | 416 | 341 | 8.31 | 346 | |
| Paricha TPS | | 640 | 253 | 256 | 5.97 | 249 | |
| Panki TPS | | 210 | 160 | 155 | 3.73 | 155 | |
| Harduaganj TPS | | 375 | 0 | 0 | 0.00 | 0 | |
| Tanda TPS (NTPC) | | 440 | 291 | 293 | 6.96 | 290 | |
| Roza TPS (IPP) | | 600 | 557 | 558 | 13.39 | 558 | |
| Thermal (Total) | | 5337 | 2681 | 2600 | 59.94 | 2497 | |
| Vishnuparyag HPS (IPP) | | 400 | 436 | 436 | 10.46 | 436 | |
| Other Hydro | | 527 | 122 | 0 | 4.11 | 171 | |
| Cogeneration | | 951 | 50 | 50 | 1.20 | 50 | |
| | | Total UP | 7215 | 3289 | 3086 | 75.70 | 2719 |
| Uttarakhand | | Total Hydro | 1303 | 833 | 904 | 21.18 | 883 |
| | Total Uttarakhand | 1303 | 833 | 904 | 21.18 | 883 | |
| Delhi | Rajghat TPS | 135 | 0 | 0 | 0.00 | 0 | |
| | Delhi Gas Turbine | 282 | 141 | 146 | 3.64 | 152 | |
| | Praqati Gas Turbine | 330 | 290 | 296 | 7.24 | 302 | |
| | Rithala GPS | 108 | 41 | 29 | 0.78 | 32 | |
| | Bawana GPS | 440 | 0 | 0 | 0.00 | 0 | |
| | Badarpur TPS (NTPC) | 705 | 560 | 360 | 10.80 | 450 | |
| | Thermal (Total) | 2000 | 1032 | 831 | 22.46 | 936 | |
| | Total Delhi | 2000 | 1032 | 831 | 22.46 | 936 | |
| HP | Baspa HPS (IPP) | 300 | 330 | 330 | 7.92 | 330 | |
| | Malana HPS (IPP) | 86 | 105 | 105 | 2.51 | 105 | |
| | Other Hydro | 584 | 547 | 540 | 12.93 | 539 | |
| | | Total HP | 970 | 982 | 975 | 23.36 | 973 |
| J & K | Baglihar HPS (IPP) | 450 | 442 | 442 | 10.60 | 442 | |
| | Other Hydro | 323 | 190 | 47 | 4.65 | 194 | |
| | Gas/Diesel/Others | 183 | 0 | 0 | 0.00 | 0 | |
| | | Total J & K | 956 | 632 | 489 | 15.25 | 635 |
| Total State Generation | | 26559 | 14865 | 15151 | 361.29 | 14618 | |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 3460 | 4257 | 98.03 | 4085 | |
| Total Regional Availability(Gross) | | 46434 | 36351 | 36805 | 862.05 | 35483 | |

IV. Total Hydro Generation:

| | | | | | |
|---------------------|-------|-------|-------|--------|-------|
| Central +BBMB Hydro | 8541 | 7412 | 6925 | 166.95 | 6956 |
| State Hydro | 4497 | 3598 | 3479 | 81.71 | 3405 |
| Regional Hydro | 13037 | 11010 | 10404 | 248.67 | 10361 |

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 | 500 | 500 | 500 | 0 | 10.31 | 0.00 | 10.31 |
| Gwalior-Agra (D/C) | 972 | 1320 | 1452 | 0 | 29.78 | 0.00 | 29.78 |
| Zerda-Kankroli | 0 | 217 | 263 | 0 | 2.16 | 0.00 | 2.16 |
| Zerda-Bhinmal | 196 | 188 | 462 | 0 | 5.38 | 0.00 | 5.38 |
| Malanpur-Auraiya | -56 | -19 | 0 | 84 | 0.00 | 0.27 | -0.27 |
| Badod-Kota/Morak | 70 | 103 | 150 | 0 | 2.32 | 0.00 | 2.32 |
| Sub Total WR | 1612 | 2206 | | | 47.63 | 0.27 | 47.36 |
| Pusauli Bypass | -13 | -5 | 190 | 90 | 1.50 | 0.23 | 1.27 |
| MZP- GKP (D/C) | 980 | 864 | 1288 | 0 | 24.02 | 0.00 | 24.02 |
| Patna-Balia(D/C) | 502 | 506 | 682 | 0 | 11.75 | 0.00 | 11.75 |
| B'Sharif-Balia (D/C) | 244 | 506 | 596 | 0 | 9.64 | 0.00 | 9.64 |
| Pusauli-Sahupuri | 135 | 180 | 197 | 0 | 3.99 | 0.00 | 3.99 |
| 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 | 1848 | 2051 | | | 50.90 | 0.23 | 50.68 |
| Total IR Exch | 3460 | 4257 | | | 98.53 | 0.50 | 98.03 |

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 |
| 22.75 | 3.50 | 26.25 | 27.61 | 36.26 | -9.40 | 2.04 | 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 |
| 44.45 | 38.17 | 82.62 | 50.68 | 47.36 | 98.03 | 6.22 | 9.19 | 15.41 |

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 | 0.20 | 1.40 | 13.10 | 50.10 | 86.90 | 49.90 | 1.30 | 0.00 |

| <----- 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 | | | | |
| 50.18 | 19.18 | 48.97 | 23.08 | 49.68 | 1.35 | 0.17 | 50.01 | 0.00 |

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 | 407 | 09:07 | 396 | 23:05 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 426 | 19:19 | 399 | 23:12 | 0.0 | 0.0 | 65.0 | 2.6 |
| Bareilly | 400 | 406 | 02:37 | 0 | 10:03 | 88.0 | 88.0 | 0.0 | 0.0 |
| Kanpur | 400 | 414 | 07:01 | 390 | 14:19 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 404 | 07:02 | 383 | 14:19 | 0.0 | 14.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 410 | 06:04 | 385 | 15:53 | 0.0 | 10.5 | 0.0 | 0.0 |
| Bawana | 400 | 405 | 07:01 | 381 | 15:50 | 0.0 | 18.5 | 0.0 | 0.0 |
| Bassi | 400 | 419 | 06:58 | 394 | 14:14 | 0.0 | 0.0 | 0.0 | 0.0 |
| Hissar | 400 | 397 | 03:46 | 377 | 14:14 | 2.8 | 48.0 | 0.0 | 0.0 |
| Moga | 400 | 401 | 20:45 | 383 | 15:56 | 0.0 | 23.2 | 0.0 | 0.0 |
| Abdullapur | 400 | 407 | 07:02 | 387 | 14:14 | 0.0 | 5.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 406 | 07:02 | 382 | 15:56 | 0.0 | 10.8 | 0.0 | 0.0 |
| Kishenpur | 400 | 404 | 07:13 | 391 | 09:18 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 404 | 03:44 | 384 | 21:08 | 0.0 | 24.1 | 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 | 489.99 | 738.95 | 474.76 | 350.94 | 1088.16 | 842.14 |
| Pong | 426.72 | 384.05 | 412.47 | 577.87 | 394.17 | 111.75 | 385.87 | 453.92 |
| Tehri | 829.79 | 740.04 | 767.60 | 185.00 | NA | NA | 518.85 | 453.00 |
| Koteshwar | 612.50 | 598.50 | NA | NA | NA | NA | NA | NA |
| Chamera-I | 760.00 | 748.75 | 756.42 | 11.44 | 755.00 | NA | 353.24 | 352.36 |
| Rihand | 268.22 | 252.98 | 256.70 | NA | 253.81 | 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 | 508.88 | NA | 502.24 | NA | 348.86 | 550.71 |

IX. System Constraints:

X. Grid Disturbance / Any Other Significant Event:

XI. Weather Conditions For 13.07.2011 :

1 : Hot & Humid weather 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 : 13.07.2011

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER