

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 30.07.2013
Date of Reporting : 31.07.2013

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 |
| 40771 | 3869 | 44640 | 50.04 | 39816 | 1820 | 41636 | 50.08 | 926.4 | 72.23 |

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

II. A. State's Load 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) | Consumption (Net MU) | Shortages* (MU) |
|--------------|--|--------------|---------------------|---------------|--------------------------|------------------------|---------------|----------------------|-----------------|
| | Thermal | Hydro | Renewable/others \$ | Total | | | | | |
| Punjab | 52.46 | 20.01 | | 72.47 | 126.36 | 125.81 | -0.55 | 198.28 | 20.56 |
| Haryana | 41.81 | 0.73 | | 42.54 | 117.56 | 116.56 | -1.00 | 159.10 | 0.00 |
| Rajasthan | 64.45 | 5.24 | 9.61 | 79.30 | 55.90 | 52.86 | -3.04 | 132.16 | 0.44 |
| Delhi | 21.58 | | | 21.58 | 83.09 | 80.96 | -2.13 | 102.54 | 0.18 |
| UP | 112.11 | 4.03 | 1.20 | 117.34 | 129.34 | 128.70 | -0.64 | 246.04 | 48.76 |
| Uttarakhand | | 16.71 | | 16.71 | 15.90 | 15.22 | -0.68 | 31.93 | 0.59 |
| HP | | 24.20 | | 24.20 | 1.46 | 0.89 | -0.57 | 25.09 | 0.00 |
| J & K | | 13.64 | 0.00 | 13.64 | 17.84 | 12.44 | -5.40 | 26.08 | 1.70 |
| Chandigarh | | | | 0.00 | 5.94 | 5.18 | -0.76 | 5.18 | 0.00 |
| Total | 292.41 | 84.56 | 10.81 | 387.78 | 553.39 | 538.61 | -14.78 | 926.39 | 72.23 |

* Shortage furnished by the respective constituent.\$ Others include UP Co-generation and JK Diesel

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 | 8588 | 870 | -9 | 1924 | 8567 | 600 | 34 | 1923 | 46.16 |
| Haryana | 6850 | 0 | -644 | 1728 | 6958 | 0 | -125 | 1427 | 37.51 |
| Rajasthan | 5848 | 126 | -18 | -35 | 5536 | 0 | 34 | -49 | -1.00 |
| Delhi | 4623 | 131 | 105 | 304 | 3958 | 0 | 35 | -214 | 4.87 |
| UP | 10604 | 2612 | 55 | 930 | 11444 | 1220 | 145 | 2000 | 21.90 |
| Uttarakhand | 1564 | 30 | 23 | 198 | 1316 | 0 | -26 | 56 | 2.20 |
| HP | 985 | 0 | -135 | -1117 | 952 | 0 | 37 | -1286 | -25.83 |
| J&K | 1479 | 100 | -117 | -93 | 878 | 0 | -463 | -184 | -6.61 |
| Chandigarh | 230 | 0 | -41 | 0 | 207 | 0 | -17 | 0 | 0.04 |
| Total | 40771 | 3869 | -781 | 3839 | 39816 | 1820 | -347 | 3673 | 79.24 |

* 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) | Schedule | |
|---|----------------------------------|--------------------------|--------------------|------------------------|--------------------|------------------------|---------------|--------------|
| | | | | | | | Net MU | UI Net MU |
| A. NTPC | | | | | | | | |
| Singrauli STPS | 2000 | 1735 | 1873 | 1852 | 41.19 | 1716 | 41.08 | 0.12 |
| Rihand I STPS | 1000 | 922 | 978 | 921 | 20.47 | 853 | 20.88 | -0.41 |
| Rihand II STPS | 1000 | 475 | 453 | 451 | 10.08 | 420 | 9.91 | 0.17 |
| Rihand III STPS | 500 | 485 | 515 | 428 | 10.89 | 454 | 11.03 | -0.14 |
| Dadri I STPS | 840 | 810 | 880 | 874 | 18.40 | 767 | 19.06 | -0.65 |
| Dadri II STPS | 980 | 975 | 1003 | 918 | 22.20 | 925 | 22.67 | -0.48 |
| Unchahar I TPS | 420 | 391 | 418 | 387 | 8.50 | 354 | 8.78 | -0.27 |
| Unchahar II TPS | 420 | 403 | 445 | 440 | 8.83 | 368 | 8.94 | -0.11 |
| Unchahar III TPS | 210 | 201 | 219 | 202 | 4.39 | 183 | 4.50 | -0.11 |
| ISTPP (Jhajjar) | 1500 | 1470 | 1012 | 631 | 16.63 | 693 | 15.37 | 1.26 |
| Dadri GPS | 830 | 789 | 680 | 703 | 15.40 | 642 | 15.50 | -0.10 |
| Anta GPS | 419 | 401 | 389 | 0 | 4.17 | 174 | 4.44 | -0.28 |
| Auraiya GPS | 663 | 458 | 298 | 304 | 7.01 | 292 | 7.09 | -0.07 |
| Sub Total (A) | 10782 | 9513 | 9163 | 8111 | 188.16 | 7840 | 189.24 | -1.08 |
| B. NPC | | | | | | | | |
| INAPS | 440 | 157 | 173 | 176 | 3.67 | 153 | 3.77 | -0.10 |
| RAPS- B | 440 | 393 | 428 | 435 | 9.28 | 387 | 9.43 | -0.15 |
| RAPS- C | 440 | 210 | 232 | 237 | 4.99 | 208 | 5.04 | -0.05 |
| Sub Total (B) | 1320 | 760 | 833 | 848 | 17.94 | 748 | 18.24 | -0.30 |
| C. NHPC | | | | | | | | |
| Chamera I HPS | 540 | 534 | 540 | 360 | 11.57 | 482 | 11.55 | 0.02 |
| Chamera II HPS | 300 | 300 | 304 | 301 | 7.23 | 301 | 7.24 | -0.01 |
| Chamera III HPS | 231 | 231 | 234 | 232 | 5.51 | 230 | 5.53 | -0.02 |
| Bairasul HPS | 180 | 179 | 178 | 179 | 3.43 | 143 | 3.36 | 0.07 |
| Salal-HPS | 690 | 670 | 672 | 672 | 16.11 | 671 | 16.08 | 0.04 |
| Tanakpur-HPS | 94 | 91 | 93 | 93 | 2.24 | 93 | 2.18 | 0.06 |
| Uri-HPS | 480 | 248 | 336 | 235 | 5.80 | 242 | 5.93 | -0.13 |
| Dhauliganga-HPS | 280 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Dulhasti-HPS | 390 | 387 | 405 | 398 | 9.37 | 390 | 9.32 | 0.04 |
| Sewa-II HPS | 120 | 119 | 121 | 0 | 2.14 | 89 | 2.15 | -0.01 |
| Sub Total (C) | 3305 | 2758 | 2883 | 2470 | 63.41 | 2642 | 63.34 | 0.06 |
| D. NJPC | | | | | | | | |
| Nathpa Jhakri | 1500 | 1605 | 1622 | 1622 | 38.70 | 1613 | 38.44 | 0.26 |
| Sub Total (D) | 1500 | 1605 | 1622 | 1622 | 38.70 | 1613 | 38.44 | 0.26 |
| E. THDC | | | | | | | | |
| Tehri HPS | 1000 | 973 | 1050 | 1050 | 23.41 | 976 | 23.30 | 0.11 |
| Koteshwar HPS | 400 | 357 | 389 | 288 | 7.93 | 330 | 7.90 | 0.03 |
| Sub Total (E) | 1400 | 1330 | 1439 | 1338 | 31.34 | 1306 | 31.20 | 0.14 |
| F. BBMB | | | | | | | | |
| Bhakra HPS | 1480 | 1301 | 1321 | 1320 | 31.98 | 1333 | 31.22 | 0.76 |
| Dehar HPS | 990 | 611 | 700 | 610 | 15.04 | 627 | 14.66 | 0.39 |
| Pong HPS | 396 | 281 | 372 | 186 | 7.08 | 295 | 6.74 | 0.34 |
| Sub Total (F) | 2866 | 2192 | 2393 | 2116 | 54.10 | 2254 | 52.61 | 1.49 |
| G. IPP(s)/JV(s) | | | | | | | | |
| ADHPL HPS(IPP) | 192 | 0 | 230 | 231 | 4.50 | 187 | 3.56 | 0.94 |
| KWHEP HPS(IPP) | 1000 | 0 | 1200 | 1197 | 28.49 | 1187 | 28.51 | -0.02 |
| Malana Stg-II HPS | 100 | 0 | 113 | 113 | 2.65 | 111 | 2.51 | 0.15 |
| Shree Cement TPS | 300 | 0 | 205 | 148 | 3.90 | 163 | 4.06 | -0.15 |
| Budhil HPS(IPP) | 70 | 0 | 0 | 73 | 0.58 | 24 | 1.69 | -1.11 |
| Sub Total (G) | 1662 | 0 | 1748 | 1762 | 40.13 | 1672 | 40.32 | -0.19 |
| H. Total Regional Entities (A-G) | 22836 | 18158 | 20081 | 18267 | 433.78 | 18074 | 433.39 | 0.39 |

| 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 | 1258 | 1260 | 27.69 | 1154 | |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 202 | 200 | 4.28 | 178 | |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 937 | 930 | 20.49 | 854 | |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 | |
| | Thermal (Total) | 2620 | 2397 | 2390 | 52.46 | 2186 | |
| | Total Hydro | 1148 | 902 | 901 | 20.01 | 834 | |
| | Total Punjab | 3768 | 3299 | 3291 | 72.47 | 3020 | |
| Haryana | Panipat TPS | 1367 | 406 | 411 | 9.51 | 396 | |
| | DCRTPP (Yamuna nagar) | 600 | 0 | 0 | 0.00 | 0 | |
| | Faridabad GPS (NTPC) | 432 | 180 | 161 | 4.07 | 170 | |
| | RGTPP (khedar) (IPP) | 1200 | 476 | 541 | 11.14 | 464 | |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 | |
| | Jhajjar(CLP) | 1320 | 515 | 759 | 17.09 | 712 | |
| | Thermal (Total) | 4944 | 1577 | 1872 | 41.81 | 1742 | |
| | Total Hydro | 62 | 30 | 28 | 0.73 | 30 | |
| | | Total Haryana | 5006 | 1607 | 1900 | 42.54 | 1773 |
| | Rajasthan | kota TPS | 1240 | 437 | 639 | 11.67 | 486 |
| suratgarh TPS | | 1500 | 831 | 870 | 19.84 | 827 | |
| Chabra TPS | | 500 | 0 | 0 | 0.00 | 0 | |
| Dholpur GPS | | 330 | 110 | 110 | 2.66 | 111 | |
| Ramgarh GPS | | 111 | 24 | 68 | 1.21 | 50 | |
| RAPS A (NPC) | | 300 | 0 | 0 | 0.00 | 0 | |
| Barsingsar (NLC) | | 250 | 90 | 91 | 2.08 | 87 | |
| Giral LTPS | | 250 | 0 | 0 | 0.00 | 0 | |
| Rajwest LTPS (IPP) | | 1080 | 448 | 566 | 13.22 | 551 | |
| VSLP LTPS (IPP) | | 135 | 0 | 0 | 0.00 | 0 | |
| Kalisindh Thermal | | 600 | 0 | 0 | 0.00 | 0 | |
| Kawai(Adani) | | 660 | 581 | 575 | 13.78 | 574 | |
| Thermal (Total) | | 6956 | 2521 | 2919 | 64.45 | 2686 | |
| Total Hydro | | 550 | 205 | 224 | 5.24 | 218 | |
| Wind power | | 2191 | 473 | 330 | 7.89 | 329 | |
| Biomass | | 91 | 25 | 25 | 0.59 | 25 | |
| Solar | | 201 | 0 | 0 | 1.13 | 47 | |
| Renewable/Others (Total) | | 2483 | 498 | 355 | 9.61 | 400 | |
| | | Total Rajasthan | 9989 | 3224 | 3498 | 79.30 | 3304 |
| UP | | Anpara TPS | 1630 | 1197 | 1175 | 28.10 | 1171 |
| | Obra TPS | 1288 | 451 | 444 | 8.60 | 358 | |
| | Paricha TPS | 1140 | 661 | 687 | 15.60 | 650 | |
| | Panki TPS | 210 | 54 | 0 | 1.00 | 42 | |
| | Harduaganj TPS | 665 | 316 | 338 | 6.50 | 271 | |
| | Tanda TPS (NTPC) | 440 | 393 | 386 | 9.69 | 404 | |
| | Roza TPS (IPP) | 1200 | 1008 | 999 | 24.02 | 1001 | |
| | Anpara-C (IPP) | 1200 | 662 | 387 | 12.24 | 510 | |
| | Bajaj Energy Pvt.Ltd(IPP) TPS | 450 | 280 | 281 | 6.36 | 265 | |
| | Thermal (Total) | 8223 | 5022 | 4697 | 112.11 | 4671 | |
| | Vishnuparyag HPS (IPP) | 400 | 0 | 0 | 0.00 | 0 | |
| | Other Hydro | 527 | 154 | 230 | 4.03 | 168 | |
| | Cogeneration | 981 | 50 | 50 | 1.20 | 50 | |
| | | Total UP | 10131 | 5226 | 4977 | 117.34 | 4889 |
| | Uttarakhand | Total Hydro | 1303 | 703 | 701 | 16.71 | 696 |
| Total Uttarakhand | | 1303 | 703 | 701 | 16.71 | 696 | |
| Delhi | Rajghat TPS | 135 | 0 | 0 | 0.00 | 0 | |
| | Delhi Gas Turbine | 282 | 112 | 113 | 2.29 | 95 | |
| | Pragati Gas Turbine | 330 | 292 | 266 | 6.92 | 288 | |
| | Rithala GPS | 95 | 0 | 0 | 0.00 | 0 | |
| | Bawana GPS | 686 | 0 | 0 | 0.00 | 0 | |
| | Badarpur TPS (NTPC) | 705 | 650 | 515 | 12.36 | 515 | |
| | Thermal (Total) | 2232 | 1054 | 894 | 21.58 | 899 | |
| | | Total Delhi | 2232 | 1054 | 894 | 21.58 | 899 |
| HP | Baspa HPS (IPP) | 330 | 305 | 335 | 7.58 | 316 | |
| | Malana HPS (IPP) | 86 | 107 | 107 | 2.51 | 104 | |
| | Other Hydro | 589 | 618 | 586 | 14.11 | 588 | |
| | | Total HP | 1005 | 1030 | 1028 | 24.20 | 1008 |
| J & K | Baglihar HPS (IPP) | 450 | 434 | 436 | 10.44 | 435 | |
| | Other Hydro | 323 | 140 | 139 | 3.21 | 134 | |
| | Gas/Diesel/Others | 183 | 0 | 0 | 0.00 | 0 | |
| | | Total J & K | 956 | 574 | 575 | 13.64 | 568 |
| Total State Control Area Generation | | 34390 | 16717 | 16864 | 387.78 | 16157 | |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 4934 | 5573 | 114.03 | 4751 | |
| Total Regional Availability(Gross) | | 57226 | 41732 | 40704 | 935.59 | 38983 | |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 10364 | 9880 | 9087 | 223.20 | 9300 |
| State Control Area Hydro | 5368 | 3598 | 3687 | 84.56 | 3523 |
| Total Regional Hydro | 15731 | 13478 | 12774 | 307.75 | 12823 |

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 | 8.85 | 0.00 | 8.85 |
| Gwalior-Agra (D/C) | 1405 | 1701 | 1844 | 0 | 33.91 | 0.00 | 33.91 |
| Zerda-Kankroli | 115 | 4 | 193 | 161 | 0.00 | 0.43 | -0.43 |
| Zerda-Bhinmal | 142 | 21 | 226 | 157 | 0.16 | 0.00 | 0.16 |
| Malanpur-Auraiya | -70 | -40 | 0 | 106 | 0.00 | 1.39 | -1.39 |
| Badod-Kota/Morak | 69 | 53 | 105 | 82 | 0.56 | 0.00 | 0.56 |
| Mundra-Mohindergarh(HVDC) | 1446 | 1434 | 1452 | 0 | 32.26 | 0.00 | 32.26 |
| Sub Total WR | 3407 | 3673 | | | 75.73 | 1.81 | 73.92 |
| Pusaali Bypass | 400 | 400 | 400 | 0 | 9.56 | 0.00 | 9.56 |
| MZP- GKP (D/C) | 416 | 588 | 612 | 0 | 11.77 | 0.00 | 11.77 |
| Patna-Balia(D/C) | 400 | 513 | 557 | 0 | 10.53 | 0.00 | 10.53 |
| B Sharif-Balia (D/C) | 173 | 207 | 314 | 0 | 5.23 | 0.00 | 5.23 |
| Pusaali-Balia | -152 | -112 | 0 | 152 | 0.00 | 3.05 | -3.05 |
| Gaya-Fatehpur (765 Kv) | 67 | 70 | 116 | 45 | 1.25 | 0.00 | 1.25 |
| Pusaali-Sahupuri | 140 | 162 | 176 | 0 | 3.27 | 0.00 | 3.27 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Son Ngr-Rihand | -38 | -40 | 0 | 45 | 0.00 | 0.90 | -0.90 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | 121 | 112 | 172 | 15 | 2.46 | 0.00 | 2.46 |
| Sub Total ER | 1527 | 1900 | | | 44.05 | 3.94 | 40.11 |
| Total IR Exch | 4934 | 5573 | | | 119.78 | 5.75 | 114.03 |

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 |
| 37.30 | 3.66 | 40.96 | 8.88 | 42.79 | -0.08 | -7.53 | 2.77 | -2.77 |

| Total IR Schedule (MU) | | | Total IR Actual (MU) | | | Net IR UI (MU) | | |
|------------------------|-------------------------|--------|----------------------|------------|--------|----------------|------------|--------|
| Through ER | Through WR Inclds Mndra | Total | Through ER | Through WR | Total | Through ER | Through WR | Total |
| 52.53 | 84.65 | 137.18 | 40.11 | 73.92 | 114.03 | -12.43 | -10.73 | -23.16 |

VI. Frequency Profile

| % of Time Frequency | | | | | | | | | |
|---------------------|-------|--------|--------|-------|-------------|-----------|-------------|---------|--------|
| <48.80 | <49.0 | <49.20 | <49.50 | <49.7 | 49.5 - 50.2 | 49.7-49.8 | 49.7 - 50.2 | > 50.00 | > 50.2 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 90.10 | 0.70 | 89.60 | 72.30 | 9.90 |

| Frequency (Hz) | | | | Average Frequency Hz | Frequency Variation Index | Std. Dev. | Frequency in 15 Min Block | |
|----------------|-------|---------|-------|----------------------|---------------------------|-----------|---------------------------|----------|
| Maximum | | Minimum | | | | | MAX (Hz) | MIN (Hz) |
| Freq | Time | Freq | Time | | | | | |
| 50.36 | 13.04 | 49.51 | 19.44 | 50.06 | 0.15 | 0.11 | 50.29 | 49.91 |

VII. Voltage profile 400 kV

| 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 | 413 | 07:02 | 402 | 21:40 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 425 | 06:35 | 407 | 01:43 | 0.0 | 0.0 | 2.4 | 0.0 |
| Bareilly | 400 | 422 | 06:26 | 388 | 14:40 | 0.0 | 0.0 | 0.3 | 0.0 |
| Kanpur | 400 | 420 | 06:23 | 399 | 21:43 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 414 | 07:00 | 395 | 14:30 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 423 | 06:05 | 401 | 14:30 | 0.0 | 0.0 | 7.4 | 0.0 |
| Bawana | 400 | 414 | 17:51 | 398 | 14:54 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 422 | 03:57 | 403 | 14:56 | 0.0 | 0.0 | 1.0 | 0.0 |
| Hissar | 400 | 407 | 06:05 | 390 | 14:23 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 416 | 06:04 | 397 | 14:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 414 | 06:46 | 399 | 14:25 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 410 | 05:02 | 397 | 14:57 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 423 | 06:04 | 405 | 19:42 | 0.0 | 0.0 | 1.5 | 0.0 |
| Wagoora | 400 | 424 | 06:04 | 394 | 19:43 | 0.0 | 0.0 | 6.0 | 0.0 |

VIII. Voltage profile 765 kV

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | |
|----------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <728 kV | <742 kV | >800 kV | >820 kV |
| Fatehpur | 765 | 0 | 00:00 | 9999 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 780 | 06:25 | 722 | 21:47 | 4.0 | 40.3 | 0.0 | 0.0 |
| Moga | 765 | 796 | 06:05 | 752 | 14:56 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 805 | 06:08 | 759 | 21:47 | 0.0 | 0.0 | 2.3 | 0.0 |
| Bhiwani | 765 | 794 | 06:05 | 756 | 14:57 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 776 | 06:26 | 733 | 21:50 | 0.0 | 9.8 | 0.0 | 0.0 |

IX. 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 (m ³ /s) | Usage (m ³ /s) |
| Bhakra | 513.59 | 445.62 | 502.05 | 1179.55 | 477.76 | 407.63 | 1291.67 | 1033.56 |
| Pong | 426.72 | 384.05 | 415.01 | 680.86 | 394.51 | 116.59 | 740.91 | 398.67 |
| Tehri | 829.79 | 740.04 | 810.55 | 822.28 | 818.65 | 982.26 | 730.41 | 572.00 |
| Koteshwar | 612.50 | 598.50 | 608.90 | 5.98 | NA | NA | 572.00 | 566.00 |
| Chamera-I | 760.00 | 748.75 | NA | NA | NA | NA | 265.14 | 267.78 |
| Rihand | 268.22 | 252.98 | 254.87 | 71.40 | 255.00 | 76.20 | NA | NA |
| RPS | 352.80 | 343.81 | 350.04 | NA | NA | NA | NA | NA |
| Jawahar Sagar | 298.70 | 295.78 | 297.42 | NA | NA | NA | NA | NA |
| RSD | 527.91 | 487.91 | 512.38 | 144.00 | 500.13 | 144.00 | 412.80 | 298.01 |

* NA: Not Available

X. System Constraints:

XI. Grid Disturbance / Any Other Significant Event:

1. Rihand - Dadri (HVDC POLE - I) under breakdown due to failure of Y -phase converter transformer at Rihand end. Replacement with spare transformer is being arranged and restoration of Pole - I expected on 31.07.2013.

XII. Weather Conditions For 30.07.2013 :

1. Normal

XIII. Synchronisation of new generating units :

XIV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :

1. 400 KV Parbati(3)- Banala charged first time at 22:37 hrs of 30.07.2013

XV. Tripping of lines in pooling stations :

XVI. Complete generation loss in a generating station :

1. Dhauliganga (280 MW) closed down till 30.09.2013 due to flooding of power house.
2. Vishnuprayg(UPPCL) (400 MW) Closed due to High Silt level in river water.
3. MANERI BHALI STG-1(90MW)/Uttarakhand closed down due to flush flooding.

Report for : 30.07.2013

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER