

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 09.08.2014

Date of Reporting : 10.08.2014



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 |
| 42762 | 2580 | 45342 | 49.95 | 39434 | 3305 | 42739 | 50.08 | 947.5 | 56.53 |

* 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 | 52.02 | 21.46 | | 73.48 | 121.67 | 122.34 | 0.67 | 195.82 | 0.00 |
| Haryana | 56.50 | 0.50 | | 57.00 | 111.52 | 110.60 | -0.92 | 167.60 | 0.20 |
| Rajasthan | 82.23 | 5.34 | 8.58 | 96.16 | 37.98 | 37.87 | -0.11 | 134.02 | 0.00 |
| Delhi | 20.75 | | | 20.75 | 78.90 | 78.95 | 0.05 | 99.70 | 0.13 |
| UP | 97.70 | 14.10 | 0.72 | 112.52 | 134.18 | 140.21 | 6.03 | 252.73 | 54.50 |
| Uttarakhand | | 16.70 | | 16.70 | 19.64 | 19.51 | -0.14 | 36.21 | 0.00 |
| HP | | 26.73 | | 26.73 | -0.18 | 0.25 | 0.43 | 26.98 | 0.00 |
| J & K | | 13.72 | 0.00 | 13.72 | 16.74 | 15.26 | -1.48 | 28.98 | 1.70 |
| Chandigarh | | | | 0.00 | 5.47 | 5.43 | -0.04 | 5.43 | 0.00 |
| Total | 309.20 | 98.55 | 9.30 | 417.04 | 525.93 | 530.43 | 4.50 | 947.47 | 56.53 |

* 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 | | | | # Max(hourly) Demand Met of Day (MW) |
|--------------|-----------------------------|-------------|------------|---------------------|-------------------------|-------------|------------|---------------------|---|
| | Demand Met | Shortage | UI | STOA/PX transaction | Demand Met | Shortage | UI | STOA/PX transaction | |
| Punjab | 8773 | 0 | 16 | 1541 | 7843 | 0 | 24 | 1526 | 8868 |
| Haryana | 7808 | 0 | -3 | 1576 | 7269 | 0 | 146 | 1348 | 7956 |
| Rajasthan | 6286 | 0 | -66 | -843 | 5929 | 0 | -6 | -623 | 6589 |
| Delhi | 4474 | 0 | 303 | 145 | 4011 | 0 | 28 | 167 | 4772 |
| UP | 10799 | 2480 | 309 | 744 | 10884 | 3305 | -97 | 1050 | 11575 |
| Uttarakhand | 1705 | 0 | 149 | 84 | 1384 | 0 | 37 | 157 | 1705 |
| HP | 1051 | 0 | 2 | -1306 | 945 | 0 | 101 | -1504 | 1247 |
| J&K | 1620 | 100 | 122 | -408 | 967 | 0 | -68 | -727 | 1620 |
| Chandigarh | 246 | 0 | -11 | 20 | 202 | 0 | 2 | 0 | 263 |
| Total | 42762 | 2580 | 821 | 1553 | 39434 | 3305 | 167 | 1394 | 43096 |

STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.03

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 [OG:(+ve), UG: (-ve)] | |
|---|----------------------------------|--------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|--------------------------|---------------|
| | | | | | | | | Net MU | Net MU |
| A. NTPC | | | | | | | | | |
| Singrauli STPS | 2000 | 1647 | 2043 | 1837 | 47.68 | 1987 | 39.47 | | 8.21 |
| Rihand I STPS | 1000 | 750 | 770 | 834 | 70.51 | 2938 | 17.61 | | 52.90 |
| Rihand II STPS | 1000 | 819 | 775 | 855 | 66.15 | 2756 | 19.39 | | 46.77 |
| Rihand III STPS | 1000 | 432 | 0 | 490 | 23.97 | 999 | 10.20 | | 13.77 |
| Dadri I STPS | 840 | 813 | 582 | 555 | 15.35 | 640 | 18.59 | | -3.24 |
| Dadri II STPS | 980 | 973 | 678 | 722 | 17.74 | 739 | 20.55 | | -2.81 |
| Unchahar I TPS | 420 | 395 | 429 | 364 | 9.68 | 403 | 9.20 | | 0.48 |
| Unchahar II TPS | 420 | 400 | 204 | 164 | 4.70 | 196 | 9.07 | | -4.37 |
| Unchahar III TPS | 210 | 198 | 191 | 158 | 4.58 | 191 | 4.37 | | 0.22 |
| ISTPP (Jhajjar) | 1500 | 950 | 634 | 706 | 15.23 | 635 | 17.82 | | -2.59 |
| Dadri GPS | 830 | 686 | 189 | 359 | 5.50 | 229 | 8.67 | | -3.17 |
| Anta GPS | 419 | 392 | 255 | 228 | 6.18 | 258 | 7.99 | | -1.80 |
| Auraiya GPS | 663 | 634 | 146 | 162 | 3.62 | 151 | 3.74 | | -0.12 |
| Dadri Solar | 5 | 1 | 0 | 0 | 0.02 | 1 | 0.03 | | -0.01 |
| Unchahar Solar | 10 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | | 0.00 |
| Sub Total (A) | 11297 | 9090 | 6896 | 7434 | 291 | 12122 | 187 | | 104 |
| B. NPC | | | | | | | | | |
| NAPS | 440 | 271 | 310 | 313 | 6.49 | 270 | 6.50 | | -0.01 |
| RAPS- B | 440 | 399 | 227 | 407 | 6.31 | 263 | 9.58 | | -3.27 |
| RAPS- C | 440 | 210 | 414 | 366 | 8.52 | 355 | 5.04 | | 3.48 |
| Sub Total (B) | 1320 | 880 | 951 | 1086 | 21.32 | 888 | 21.12 | | 0.20 |
| C. NHPC | | | | | | | | | |
| Chamera I HPS | 540 | 534 | 544 | 547 | 13.02 | 543 | 12.82 | | 0.21 |
| Chamera II HPS | 300 | 301 | 307 | 309 | 7.33 | 305 | 7.22 | | 0.11 |
| Chamera III HPS | 231 | 229 | 235 | 230 | 5.56 | 232 | 5.50 | | 0.06 |
| Bairasuil HPS | 180 | 178 | 181 | 120 | 2.77 | 115 | 3.24 | | -0.47 |
| Salal-HPS | 690 | 660 | 676 | 677 | 16.25 | 677 | 15.84 | | 0.41 |
| Tanakpur-HPS | 94 | 86 | 87 | 87 | 2.11 | 88 | 2.07 | | 0.03 |
| Uri-HPS | 480 | 379 | 414 | 317 | 8.68 | 362 | 9.10 | | -0.42 |
| Uri-II HPS | 240 | 215 | 241 | 182 | 4.84 | 202 | 5.17 | | -0.33 |
| Dhauliganga-HPS | 280 | 207 | 140 | 209 | 4.51 | 188 | 4.97 | | -0.46 |
| Dulhasti-HPS | 390 | 91 | 399 | 395 | 9.34 | 389 | 2.19 | | 7.16 |
| Sewa-II HPS | 120 | 119 | 120 | 121 | 1.90 | 79 | 2.86 | | -0.96 |
| Parbati 3 | 390 | 247 | 264 | 132 | 5.01 | 209 | 5.85 | | -0.84 |
| Sub Total © | 3935 | 3247 | 3607 | 3327 | 81 | 3388 | 77 | | 4 |
| D. SJVNL | | | | | | | | | |
| NJPC | 1500 | 1605 | 1605 | 1605 | 38.44 | 1602 | 38.42 | | 0.02 |
| Rampur HEP | 275 | 340 | 362 | 362 | 8.64 | 360 | 8.16 | | 0.48 |
| Sub Total (D) | 1775 | 1945 | 1967 | 1967 | 47.08 | 1962 | 46.58 | | 0.50 |
| E. THDC | | | | | | | | | |
| Tehri HPS | 1000 | 1000 | 1002 | 1009 | 24.12 | 1005 | 24.00 | | 0.12 |
| Koteshwar HPS | 400 | 385 | 400 | 383 | 8.65 | 360 | 8.60 | | 0.05 |
| Sub Total (E) | 1400 | 1385 | 1402 | 1392 | 32.77 | 1365 | 32.60 | | 0.17 |
| F. BBMB | | | | | | | | | |
| Bhakra HPS | 1514 | 965 | 1345 | 826 | 23.56 | 981 | 23.17 | | 0.38 |
| Dehar HPS | 990 | 570 | 825 | 560 | 14.10 | 588 | 13.68 | | 0.43 |
| Pong HPS | 396 | 134 | 258 | 132 | 3.39 | 141 | 3.22 | | 0.16 |
| Sub Total (F) | 2900 | 1669 | 2428 | 1518 | 41.04 | 1710 | 40.07 | | 0.98 |
| G. IPP(s)/JV(s) | | | | | | | | | |
| ADHPL HPS(IPP) | 192 | 0 | 218 | 181 | 4.24 | 177 | 4.21 | | 0.03 |
| KWHEP HPS(IPP) | 1000 | 0 | 1200 | 1200 | 28.66 | 1194 | 28.41 | | 0.25 |
| Malana Stg-II HPS | 100 | 0 | 113 | 112 | 2.65 | 110 | 1.98 | | 0.67 |
| Shree Cement TPS | 300 | 0 | 119 | 142 | 2.60 | 108 | 3.23 | | -0.63 |
| Budhil HPS(IPP) | 70 | 0 | 72 | 37 | 1.28 | 53 | 1.14 | | 0.14 |
| Sub Total (G) | 1662 | 0 | 1722 | 1672 | 39.43 | 1643 | 38.98 | | 0.46 |
| H. Total Regional Entities (A-G) | 24289 | 18217 | 18973 | 18397 | 553.89 | 23079 | 442.86 | | 111.03 |

| 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 | 1030 | 1030 | 19.64 | 818 |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 225 | 225 | 3.74 | 156 |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 691 | 691 | 14.22 | 592 |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 |
| | Rajpura | 700 | 600 | 600 | 14.42 | 601 |
| | Talwandi Saboo | 660 | 0 | 0 | 0.00 | 0 |
| | Thermal (Total) | 3980 | 2546 | 2546 | 52.02 | 2167 |
| | Total Hydro | 1148 | 990 | 990 | 21.46 | 894 |
| Total Punjab | 5128 | 3536 | 3536 | 73.48 | 3062 | |
| Haryana | Panipat TPS | 1367 | 565 | 406 | 9.56 | 398 |
| | DCRTPP (Yamuna nagar) | 600 | 527 | 536 | 11.69 | 487 |
| | Faridabad GPS (NTPC) | 432 | 189 | 190 | 4.61 | 192 |
| | RGTPP (khedar) (IPP) | 1200 | 455 | 529 | 11.00 | 458 |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 |
| | Jhajjar(CLP) | 1320 | 740 | 1091 | 19.64 | 818 |
| | Thermal (Total) | 4944 | 2476 | 2752 | 56.50 | 2354 |
| | Total Hydro | 62 | 21 | 20 | 0.50 | 21 |
| Total Haryana | 5006 | 2497 | 2772 | 57.00 | 2375 | |
| Rajasthan | kota TPS | 1240 | 720 | 647 | 16.02 | 667 |
| | suratgarh TPS | 1500 | 796 | 831 | 19.18 | 799 |
| | Chabra TPS | 750 | 366 | 478 | 10.36 | 432 |
| | Dholpur GPS | 330 | 96 | 97 | 2.35 | 98 |
| | Ramgarh GPS | 271 | 120 | 137 | 3.67 | 153 |
| | RAPS A (NPC) | 300 | 0 | 0 | 0.00 | 0 |
| | Barsingsar (NLC) | 250 | 196 | 196 | 4.39 | 183 |
| | Giral LTPS | 250 | 47 | 40 | 0.97 | 40 |
| | Rajwest LTPS (IPP) | 1080 | 475 | 407 | 11.70 | 487 |
| | VSLP LTPS (IPP) | 135 | 0 | 0 | 0.00 | 0 |
| | Kalisindh Thermal | 600 | 167 | 280 | 2.90 | 121 |
| | Kawai(Adani) | 1320 | 433 | 441 | 10.70 | 446 |
| | Thermal (Total) | 8026 | 3416 | 3554 | 82 | 3426 |
| | Total Hydro | 550 | 216 | 218 | 5.34 | 223 |
| | Wind power | 2798 | 251 | 470 | 7.48 | 312 |
| | Biomass | 99 | 26 | 26 | 0.61 | 25 |
| | Solar | 730 | 0 | 0 | 0.49 | 21 |
| | Renewable/Others (Total) | 3627 | 277 | 496 | 8.58 | 358 |
| Total Rajasthan | 12203 | 3909 | 4268 | 96.16 | 4006 | |
| UP | Anpara TPS | 1630 | 436 | 867 | 14.30 | 596 |
| | Obra TPS | 1288 | 321 | 292 | 7.10 | 296 |
| | Paricha TPS | 1140 | 410 | 397 | 9.90 | 413 |
| | Panki TPS | 210 | 131 | 108 | 2.90 | 121 |
| | Harduaganj TPS | 665 | 432 | 251 | 8.20 | 342 |
| | Tanda TPS (NTPC) | 440 | 273 | 271 | 6.80 | 283 |
| | Roza TPS (IPP) | 1200 | 864 | 860 | 20.50 | 854 |
| | Anpara-C (IPP) | 1200 | 892 | 891 | 20.50 | 854 |
| | Bajaj Energy Pvt.Ltd(IPP) TPS | 450 | 323 | 320 | 7.50 | 313 |
| | Thermal (Total) | 8223 | 4082 | 4257 | 97.70 | 4071 |
| | Vishnuparyag HPS (IPP) | 400 | 436 | 0 | 8.80 | 367 |
| | Other Hydro | 527 | 228 | 257 | 5.30 | 221 |
| | Cogeneration | 981 | 30 | 30 | 0.72 | 30 |
| Total UP | 10131 | 4776 | 4544 | 112.52 | 4322 | |
| Uttarakhand | Total Hydro | 1303 | 765 | 760 | 16.70 | 696 |
| | Total Uttarakhand | 1303 | 765 | 760 | 16.70 | 696 |
| Delhi | Rajghat TPS | 135 | 47 | 47 | 1.06 | 44 |
| | Delhi Gas Turbine | 282 | 73 | 73 | 1.79 | 75 |
| | Pragati Gas Turbine | 330 | 261 | 287 | 6.55 | 273 |
| | Rithala GPS | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS | 1370 | 0 | 242 | 2.22 | 92 |
| | Badarpur TPS (NTPC) | 705 | 365 | 366 | 9.14 | 381 |
| | Thermal (Total) | 2917 | 746 | 1015 | 20.75 | 865 |
| Total Delhi | 2917 | 746 | 1015 | 20.75 | 865 | |
| HP | Baspa HPS (IPP) | 300 | 331 | 331 | 7.66 | 319 |
| | Malana HPS (IPP) | 86 | 103 | 101 | 2.45 | 102 |
| | Other Hydro | 728 | 697 | 670 | 16.63 | 693 |
| | Total HP | 1114 | 1131 | 1102 | 26.73 | 1114 |
| J & K | Baglihar HPS (IPP) | 450 | 450 | 436 | 10.58 | 441 |
| | Other Hydro/IPP | 436 | 132 | 132 | 3.14 | 131 |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 1094 | 582 | 568 | 13.72 | 572 |
| Total State Control Area Generation | | 38896 | 17942 | 18565 | 417.04 | 17010 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 5634 | 5142 | 109.16 | 4548 |
| Total Regional Availability(Gross) | | 63186 | 42549 | 42104 | 1080.09 | 44637 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 11302 | 10935 | 9697 | 237.76 | 9907 |
| State Control Area Hydro | 5589 | 3933 | 3915 | 98.55 | 3739 |
| Total Regional Hydro | 16891 | 14868 | 13612 | 336.31 | 13646 |

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 | 100 | 100 | 500 | 0.13 | 5.03 | -4.90 |
| Gwalior-Agra (D/C) | 1788 | 1523 | 2041 | 0 | 32.61 | 0.00 | 32.61 |
| Zerda-Kankroli | -39 | -215 | 0 | 275 | 0.00 | 4.02 | -4.02 |
| Zerda-Bhinmal | -13 | -227 | 28 | 307 | 0.00 | 3.88 | -3.88 |
| Malanpur-Auraiya | -30 | -45 | 0 | 87 | 0.00 | 1.05 | -1.05 |
| Badod-Kota/Morak | -58 | -124 | 0 | 132 | 0.00 | 1.77 | -1.77 |
| Mundra-Mohindergarh(HVDC) | 1700 | 1999 | 2005 | 0 | 46.40 | 0.00 | 46.40 |
| Vindhychal - Rihand | 360 | 484 | 484 | 0 | 10.33 | 0.00 | 10.33 |
| Sub Total WR | 4008 | 3495 | | | 89.48 | 15.75 | 73.73 |
| Pusauli Bypass | 148 | 400 | 400 | 200 | 1.98 | 2.17 | -0.19 |
| MZP- GKP (D/C) | 576 | 546 | 764 | 0 | 13.60 | 0.00 | 13.60 |
| Patna-Balia(D/C) | 275 | 242 | 358 | 0 | 6.34 | 0.00 | 6.34 |
| B'Sharif-Balia (D/C) | 283 | 236 | 370 | 0 | 7.00 | 0.00 | 7.00 |
| Pusauli-Balia | 17 | -57 | 30 | 66 | 0.04 | 0.00 | 0.04 |
| Gaya-Fatehpur (765 Kv) | 56 | 68 | 177 | 0 | 2.00 | 0.00 | 2.00 |
| Pusauli-Sahupuri | 116 | 188 | 196 | 196 | 3.26 | 0.00 | 3.26 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Son Ngr-Rihand | -30 | -30 | 0 | 40 | 0.00 | 0.71 | -0.71 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | 185 | 54 | 305 | 0 | 4.09 | 0.00 | 4.09 |
| Sub Total ER | 1626 | 1647 | | | 38.31 | 2.87 | 35.43 |
| Total IR Exch | 5634 | 5142 | | | 127.78 | 18.62 | 109.16 |

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 |
| 25.81 | 3.78 | 29.59 | 9.59 | 11.00 | -9.39 | 4.44 | 0.00 | 0.00 |

| 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 |
| 29.79 | 74.24 | 104.02 | 35.43 | 73.73 | 109.16 | 5.64 | -0.51 | 5.14 |

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

| <49.2 | <49.7 | <49.8 | <49.9 | <50.0 | 49.9-50.05 | 50.05-50.10 | 50.10-50.20 | >50.20 | >50.50 |
|-------|-------|-------|-------|-------|------------|-------------|-------------|--------|--------|
| 0.00 | 0.63 | 4.30 | 21.92 | 64.18 | 60.41 | 12.36 | 2.80 | 0.52 | NA |

| <----- 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 | | | | | |
| 50.25 | 6.05 | 49.59 | 19.17 | 49.97 | 0.10 | 0.09 | 50.22 | 49.79 |

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 | 407 | 4:23 | 400 | 20:13 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 412 | 5:24 | 388 | 0:07 | 0.0 | 0.8 | 0.0 | 0.0 |
| Bareilly | 400 | 417 | 6:03 | 393 | 22:12 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kanpur | 400 | 416 | 6:03 | 400 | 19:16 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 413 | 6:03 | 396 | 14:46 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 421 | 6:03 | 402 | 14:45 | 0.0 | 0.0 | 0.8 | 0.0 |
| Bawana | 400 | 418 | 6:07 | 401 | 14:44 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 432 | 4:01 | 412 | 19:44 | 0.0 | 0.0 | 54.5 | 2.1 |
| Hissar | 400 | 411 | 6:08 | 394 | 14:45 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 415 | 6:04 | 401 | 19:41 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 418 | 6:10 | 396 | 14:45 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 416 | 3:53 | 403 | 12:22 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 420 | 3:53 | 407 | 19:42 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 414 | 0:32 | 396 | 19:58 | 0.0 | 0.0 | 0.0 | 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 | 776 | 6:07 | 741 | 22:12 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 0 | 0:00 | 9999 | 0:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 765 | 801 | 6:10 | 774 | 19:44 | 0.0 | 0.0 | 1.0 | 0.0 |
| Agra | 765 | 792 | 4:01 | 757 | 19:16 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 798 | 6:10 | 765 | 14:46 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 748 | 5:20 | 723 | 23:43 | 0.4 | 34.9 | 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 (m³/s) | Usage (m³/s) |
| Bhakra | 513.59 | 445.62 | 487.48 | 652.97 | 491.45 | 778.28 | 1057.52 | 746.49 |
| Pong | 426.72 | 384.05 | 400.80 | 237.89 | 404.34 | 328.16 | 215.09 | 376.70 |
| Tehri | 829.79 | 740.04 | 748.65 | 42.00 | NA | NA | 301.26 | 205.00 |
| Koteshwar | 612.50 | 598.50 | 610.77 | 4.95 | 608.40 | 3.76 | 208.00 | 207.00 |
| Chamera-I | 760.00 | 748.75 | 757.00 | 12.82 | NA | NA | 505.02 | 347.40 |
| Rihand | 268.22 | 252.98 | 258.07 | 205.10 | 256.79 | 149.00 | NA | NA |
| RPS | 352.80 | 343.81 | 348.06 | NA | NA | NA | NA | NA |
| Jawahar Sagar | 298.70 | 295.78 | 298.80 | NA | NA | NA | NA | NA |
| RSD | 527.91 | 487.91 | 516.64 | 144.00 | 506.65 | 144.00 | 224.47 | 197.51 |

* NA: Not Available

X(A). Short-Term Open Access Details:

| State | Off- Peak Hours (03:00 Hrs) | | | Peak Hours (20:00 Hrs) | | | Day Energy (MU) | | |
|--------------|-----------------------------|-------------|------------|------------------------|-----------|------------|-----------------|-----------------|--------------|
| | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MU) | IEX / PXIL (MU) | Total (MU) |
| Punjab | 1462 | 64 | 0 | 1443 | 98 | 0 | 34.54 | 5.18 | 39.72 |
| Delhi | 392 | -153 | -71 | 431 | -235 | -51 | 11.82 | -5.21 | 6.61 |
| Haryana | 1526 | -178 | 0 | 1534 | 42 | 0 | 36.92 | -4.49 | 32.43 |
| HP | -1197 | -308 | 0 | -918 | -388 | 0 | -23.87 | -8.54 | -32.41 |
| J&K | -480 | -248 | 0 | -437 | 30 | 0 | -10.43 | -2.02 | -12.45 |
| CHD | 0 | 0 | 0 | 0 | 20 | 0 | 0.24 | 0.21 | 0.45 |
| Rajasthan | -834 | 208 | 3 | -820 | -23 | 0 | -19.91 | 6.13 | -13.78 |
| UP | 602 | 393 | 55 | 242 | 491 | 11 | 8.47 | 6.98 | 15.44 |
| Uttarakhand | 84 | 73 | 0 | 84 | 0 | 0 | 2.01 | 1.57 | 3.57 |
| Total | 1555 | -148 | -13 | 1559 | 34 | -40 | 39.78 | -0.19 | 39.58 |

X(B). Short-Term Open Access Details:

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | 1474 | 1403 | 492 | 4 | 0 | 0 |
| Delhi | 697 | 367 | 63 | -443 | -21 | -71 |
| Haryana | 1574 | 1502 | 177 | -825 | 0 | 0 |
| HP | -892 | -1197 | -254 | -540 | 0 | 0 |
| J&K | -378 | -480 | 30 | -324 | 0 | 0 |
| CHD | 29 | 0 | 25 | 0 | 0 | 0 |
| Rajasthan | -816 | -839 | 431 | -147 | 3 | 0 |
| UP | 602 | 217 | 590 | 0 | 55 | 0 |
| Uttarakhand | 84 | 84 | 98 | 0 | 0 | 0 |

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 09.08.2014 :****XIV. Synchronisation of new generating units :**
0.00**XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :****XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**