

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शित की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 12.08.2014
Date of Reporting : 13.08.2014

I. Regional Availability/Demand:

| Demand Met | Evening Peak (20:00 Hrs) MW | | | Demand Met | Off Peak (03:00 Hrs) MW | | | Day Energy (Net MU) | |
|------------|-----------------------------|-------------|------------|------------|-------------------------|-------------|------------|---------------------|----------|
| | Shortage | Requirement | Freq* (Hz) | | Shortage | Requirement | Freq* (Hz) | Demand Met | Shortage |
| 42019 | 4118 | 46137 | 49.85 | 39905 | 2730 | 42635 | 50.01 | 965.6 | 77.75 |

* 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 | 60.43 | 21.37 | | 81.80 | 117.33 | 117.02 | -0.31 | 198.82 | 3.45 |
| Haryana | 67.13 | 0.54 | | 67.67 | 108.35 | 106.94 | -1.42 | 174.60 | 0.00 |
| Rajasthan | 90.14 | 5.30 | 21.03 | 116.47 | 25.75 | 26.38 | 0.63 | 142.85 | 0.58 |
| Delhi | 25.38 | | | 25.38 | 79.18 | 80.92 | 1.74 | 106.30 | 0.88 |
| UP | 88.50 | 15.30 | 0.72 | 104.52 | 137.22 | 138.67 | 1.45 | 243.19 | 69.44 |
| Uttarakhand | | 17.41 | | 17.41 | 16.89 | 17.87 | 0.98 | 35.28 | 1.70 |
| HP | | 27.00 | | 27.00 | -2.00 | -0.75 | 1.25 | 26.25 | 0.00 |
| J & K | | 14.91 | 0.00 | 14.91 | 14.91 | 17.11 | 2.20 | 32.02 | 1.70 |
| Chandigarh | | | | 0.00 | 5.12 | 6.27 | 1.15 | 6.27 | 0.00 |
| Total | 331.57 | 101.83 | 21.75 | 455.15 | 502.75 | 510.43 | 7.68 | 965.58 | 77.75 |

* 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 | 8367 | 200 | -35 | 1453 | 8523 | 0 | -13 | 1733 | 9034 |
| Haryana | 8236 | 0 | 25 | 1683 | 7360 | 0 | -102 | 1737 | 8270 |
| Rajasthan | 6564 | 38 | -53 | -958 | 5551 | 0 | 94 | -1034 | 6812 |
| Delhi | 4800 | 0 | 283 | 115 | 4033 | 0 | 38 | 129 | 5171 |
| UP | 9370 | 3570 | -333 | 768 | 11112 | 2730 | 320 | 1598 | 11112 |
| Uttarakhand | 1642 | 210 | 203 | 84 | 1349 | 0 | -22 | 84 | 1642 |
| HP | 1084 | 0 | 86 | -1339 | 961 | 0 | -5 | -1457 | 1225 |
| J&K | 1673 | 100 | 326 | -427 | 798 | 0 | -192 | -823 | 1673 |
| Chandigarh | 283 | 0 | 46 | 0 | 219 | 0 | 27 | 0 | 324 |
| Total | 42019 | 4118 | 549 | 1379 | 39905 | 2730 | 145 | 1967 | 42444 |

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

Diversity is 1.07

III. Regional Entities :

| A. NTPC | 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 |
|---|-------------------------|----------------------------------|--------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|--------------|
| | | | | | | | | | |
| Rihand I STPS | 1000 | 639 | 737 | 664 | 15.46 | 644 | 15.27 | 0.19 | |
| Rihand II STPS | 1000 | 664 | 710 | 749 | 16.03 | 668 | 15.85 | 0.18 | |
| Rihand III STPS | 1000 | 0 | 0 | 0 | -0.03 | -1 | 0.00 | -0.03 | |
| Dadri I STPS | 840 | 813 | 878 | 839 | 20.48 | 853 | 19.44 | 1.04 | |
| Dadri II STPS | 980 | 973 | 1003 | 953 | 23.69 | 987 | 23.19 | 0.50 | |
| Unchahar I TPS | 420 | 392 | 411 | 426 | 10.20 | 425 | 9.32 | 0.88 | |
| Unchahar II TPS | 420 | 199 | 222 | 223 | 5.20 | 217 | 4.68 | 0.52 | |
| Unchahar III TPS | 210 | 198 | 217 | 217 | 5.12 | 213 | 4.64 | 0.48 | |
| ISTPP (Jhajjar) | 1500 | 950 | 953 | 613 | 19.08 | 795 | 19.93 | -0.85 | |
| Dadri GPS | 830 | 787 | 177 | 188 | 4.40 | 183 | 4.75 | -0.35 | |
| Anta GPS | 419 | 393 | 244 | 231 | 5.46 | 227 | 5.45 | 0.01 | |
| Auraiya GPS | 663 | 634 | 158 | 159 | 3.72 | 155 | 3.61 | 0.11 | |
| Dadri Solar | 5 | 1 | 0 | 0 | 0.03 | 1 | 0.03 | 0.00 | |
| Unchahar Solar | 10 | 3 | 0 | 0 | 0.01 | 1 | 0.07 | -0.06 | |
| Sub Total (A) | 11297 | 8285 | 7694 | 6924 | 168 | 7017 | 166 | 3 | |
| B. NPC | NAPS | 440 | 271 | 305 | 311 | 6.46 | 269 | 6.50 | -0.04 |
| RAPS- B | 440 | 200 | 226 | 228 | 4.82 | 201 | 4.80 | 0.02 | |
| RAPS- C | 440 | 390 | 408 | 417 | 8.85 | 369 | 9.36 | -0.51 | |
| Sub Total (B) | 1320 | 861 | 939 | 956 | 20.13 | 839 | 20.66 | -0.54 | |
| C. NHPC | Chamera I HPS | 540 | 534 | 542 | 541 | 11.62 | 484 | 11.50 | 0.12 |
| Chamera II HPS | 300 | 301 | 308 | 309 | 7.35 | 306 | 7.22 | 0.13 | |
| Chamera III HPS | 231 | 229 | 233 | 236 | 5.57 | 232 | 5.50 | 0.07 | |
| Bairasui HPS | 180 | 178 | 120 | 120 | 2.33 | 97 | 2.26 | 0.07 | |
| Salal-HPS | 690 | 671 | 676 | 676 | 16.27 | 678 | 16.10 | 0.17 | |
| Tanakpur-HPS | 94 | 83 | 88 | 40 | 2.04 | 85 | 1.99 | 0.06 | |
| Uri-HPS | 480 | 325 | 351 | 305 | 7.94 | 331 | 7.79 | 0.15 | |
| Uri-II HPS | 240 | 178 | 208 | 174 | 4.44 | 185 | 4.27 | 0.17 | |
| Dhauliganga-HPS | 280 | 155 | 139 | 139 | 3.81 | 159 | 3.71 | 0.10 | |
| Dulhasti-HPS | 390 | 386 | 397 | 398 | 9.36 | 390 | 9.26 | 0.09 | |
| Sewa-II HPS | 120 | 119 | 119 | 0 | 1.23 | 51 | 1.10 | 0.13 | |
| Parbati 3 | 390 | 261 | 265 | 132 | 4.41 | 184 | 4.35 | 0.07 | |
| Sub Total © | 3935 | 3419 | 3447 | 3069 | 76 | 3182 | 75 | 1 | |
| D.SJVNL | NJPC | 1500 | 1605 | 1616 | 1615 | 37.88 | 1578 | 38.09 | -0.21 |
| Rampur HEP | 275 | 314 | 217 | 360 | 7.33 | 306 | 7.56 | -0.23 | |
| Sub Total (D) | 1775 | 1919 | 1833 | 1975 | 45.21 | 1884 | 45.65 | -0.44 | |
| E. THDC | Tehri HPS | 1000 | 1010 | 1012 | 1004 | 24.17 | 1007 | 24.00 | 0.17 |
| Koteshwar HPS | 400 | 385 | 402 | 386 | 8.77 | 365 | 8.70 | 0.07 | |
| Sub Total (E) | 1400 | 1395 | 1414 | 1390 | 32.94 | 1372 | 32.70 | 0.24 | |
| F. BBMB | Bhakra HPS | 1514 | 950 | 1318 | 802 | 23.02 | 959 | 22.79 | 0.23 |
| Dehar HPS | 990 | 574 | 825 | 570 | 14.03 | 584 | 13.77 | 0.26 | |
| Pong HPS | 396 | 148 | 384 | 66 | 3.49 | 146 | 3.55 | -0.05 | |
| Sub Total (F) | 2900 | 1671 | 2527 | 1438 | 40.54 | 1689 | 40.11 | 0.43 | |
| G. IPP(s)/JV(s) | ADHPL HPS(IPP) | 192 | 0 | 176 | 161 | 3.49 | 145 | 3.91 | -0.42 |
| KWHEP HPS(IPP) | 1000 | 0 | 1200 | 1200 | 28.11 | 1171 | 28.51 | -0.41 | |
| Malana Stg-II HPS | 100 | 0 | 112 | 112 | 2.63 | 110 | 2.49 | 0.14 | |
| Shree Cement TPS | 300 | 0 | 141 | 127 | 3.04 | 127 | 3.04 | -0.01 | |
| Budhil HPS(IPP) | 70 | 0 | 72 | 71 | 1.69 | 71 | 1.67 | 0.02 | |
| Sub Total (G) | 1662 | 0 | 1700 | 1671 | 38.96 | 1623 | 39.64 | -0.67 | |
| H. Total Regional Entities (A-G) | 24289 | 17550 | 19555 | 17423 | 422.54 | 17606 | 419.37 | 3.17 | |

| 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 | 1160 | 850 | 22.57 | 940 |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 337 | 335 | 7.00 | 292 |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 939 | 946 | 20.06 | 836 |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 |
| | Rajpura | 700 | 280 | 599 | 10.81 | 450 |
| | Talwandi Saboo | 660 | 0 | 0 | 0.00 | 0 |
| | Thermal (Total) | 3980 | 2716 | 2730 | 60.43 | 2518 |
| | Total Hydro | 1148 | 897 | 901 | 21.37 | 890 |
| | Total Punjab | 5128 | 3613 | 3631 | 81.80 | 3408 |
| | Haryana | Panipat TPS | 1367 | 591 | 574 | 13.17 |
| DCRTPP (Yamuna nagar) | | 600 | 526 | 504 | 12.17 | 507 |
| Faridabad GPS (NTPC) | | 432 | 287 | 380 | 7.87 | 328 |
| RGTPP (khedar) (IPP) | | 1200 | 590 | 452 | 11.60 | 483 |
| Magnum Diesel (IPP) | | 25 | 0 | 0 | 0.00 | 0 |
| Jhajjar(CLP) | | 1320 | 1050 | 738 | 22.32 | 930 |
| Thermal (Total) | | 4944 | 3044 | 2648 | 67.13 | 2797 |
| Total Hydro | | 62 | 22 | 21 | 0.54 | 23 |
| Total Haryana | | 5006 | 3066 | 2669 | 67.67 | 2819 |
| Rajasthan | | kota TPS | 1240 | 706 | 674 | 15.50 |
| | suratgarh TPS | 1500 | 884 | 821 | 19.93 | 830 |
| | Chabra TPS | 750 | 325 | 440 | 9.07 | 378 |
| | Dholpur GPS | 330 | 119 | 112 | 2.59 | 108 |
| | Ramgarh GPS | 271 | 138 | 113 | 2.96 | 123 |
| | RAPS A (NPC) | 300 | 0 | 0 | 0.00 | 0 |
| | Barsingsar (NLC) | 250 | 199 | 200 | 4.56 | 190 |
| | Giral LTPS | 250 | 56 | 56 | 1.21 | 50 |
| | Rajwest LTPS (IPP) | 1080 | 713 | 592 | 14.52 | 605 |
| | VSLP LTPS (IPP) | 135 | 0 | 0 | 0.00 | 0 |
| | Kalisindh Thermal | 600 | 360 | 333 | 6.65 | 277 |
| | Kawai(Adani) | 1320 | 592 | 491 | 13.15 | 548 |
| | Thermal (Total) | 8026 | 4092 | 3832 | 90 | 3756 |
| | Total Hydro | 550 | 215 | 219 | 5.30 | 221 |
| | Wind power | 2798 | 979 | 780 | 20.05 | 836 |
| | Biomass | 99 | 19 | 19 | 0.47 | 19 |
| | Solar | 730 | 0 | 0 | 0.51 | 21 |
| | Renewable/Others (Total) | 3627 | 998 | 799 | 21.03 | 876 |
| | Total Rajasthan | 12203 | 5305 | 4850 | 116.47 | 4853 |
| | UP | Anpara TPS | 1630 | 450 | 395 | 10.00 |
| Obra TPS | | 1288 | 271 | 211 | 5.30 | 221 |
| Paricha TPS | | 1140 | 490 | 591 | 12.60 | 525 |
| Panki TPS | | 210 | 131 | 117 | 3.00 | 125 |
| Harduaganj TPS | | 665 | 257 | 238 | 5.80 | 242 |
| Tanda TPS (NTPC) | | 440 | 264 | 266 | 6.70 | 279 |
| Roza TPS (IPP) | | 1200 | 844 | 864 | 20.60 | 858 |
| Anpara-C (IPP) | | 1200 | 738 | 663 | 17.20 | 717 |
| Bajaj Energy Pvt.Ltd(IPP) TPS | | 450 | 322 | 320 | 7.30 | 304 |
| Thermal (Total) | | 8223 | 3767 | 3665 | 88.50 | 3688 |
| Vishnuparyag HPS (IPP) | | 400 | 0 | 436 | 8.40 | 350 |
| Other Hydro | | 527 | 311 | 340 | 6.90 | 288 |
| Cogeneration | | 981 | 30 | 30 | 0.72 | 30 |
| Total UP | | 10131 | 4108 | 4471 | 104.52 | 4005 |
| Uttarakhand | | Total Hydro | 1303 | 699 | 798 | 17.41 |
| | Total Uttarakhand | 1303 | 699 | 798 | 17.41 | 725 |
| Delhi | Rajghat TPS | 135 | 39 | 48 | 0.85 | 35 |
| | Delhi Gas Turbine | 282 | 69 | 71 | 1.69 | 70 |
| | Pragati Gas Turbine | 330 | 285 | 274 | 6.86 | 286 |
| | Rithala GPS | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS | 1370 | 295 | 251 | 6.62 | 276 |
| | Badarpur TPS (NTPC) | 705 | 389 | 361 | 9.37 | 390 |
| | Thermal (Total) | 2917 | 1077 | 1005 | 25.38 | 1058 |
| | Total Delhi | 2917 | 1077 | 1005 | 25.38 | 1058 |
| HP | Baspa HPS (IPP) | 300 | 331 | 331 | 7.83 | 326 |
| | Malana HPS (IPP) | 86 | 98 | 100 | 2.42 | 101 |
| | Other Hydro | 728 | 697 | 701 | 16.75 | 698 |
| | Total HP | 1114 | 1126 | 1132 | 27.00 | 1125 |
| J & K | Baqilhar HPS (IPP) | 450 | 440 | 436 | 10.50 | 438 |
| | Other Hydro/IPP | 436 | 182 | 187 | 4.40 | 184 |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 1094 | 622 | 623 | 14.91 | 621 |
| Total State Control Area Generation | | 38896 | 19616 | 19179 | 455.15 | 18615 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 4402 | 4230 | 121.70 | 5071 |
| Total Regional Availability(Gross) | | 63186 | 43573 | 40832 | 999.40 | 41291 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 11302 | 10709 | 9345 | 229.29 | 9554 |
| State Control Area Hydro | 5589 | 3892 | 4034 | 101.83 | 3893 |
| Total Regional Hydro | 16891 | 14601 | 13379 | 331.11 | 13446 |

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 | 50 | 350 | 350 | 2.78 | 2.24 | 0.54 |
| Gwalior-Agra (D/C) | 1377 | 1793 | 2130 | 0 | 36.89 | 0.00 | 36.89 |
| Zerda-Kankroli | -91 | -176 | 0 | 261 | 0.00 | 4.07 | -4.07 |
| Zerda-Bhinmal | -111 | -221 | 2 | 304 | 0.00 | 4.35 | -4.35 |
| Malanpur-Auraiya | -93 | -21 | 0 | 93 | 0.00 | 0.72 | -0.72 |
| Badod-Kota/Morak | -51 | -137 | 0 | 175 | 0.00 | 2.76 | -2.76 |
| Mundra-Mohindergarh(HVDC) | 1997 | 2002 | 2204 | 0 | 48.85 | 0.00 | 48.85 |
| Vindhychal - Rihand | 478 | 490 | 490 | 0 | 8.11 | 0.00 | 8.11 |
| Sub Total WR | 3806 | 3780 | | | 96.62 | 14.14 | 82.49 |
| Pusaui Bypass | 118 | 25 | 153 | 10 | 1.53 | 0.07 | 1.45 |
| MZP- GKP (D/C) | -560 | -620 | 682 | 0 | 13.49 | 0.00 | 13.49 |
| Patna-Balia(D/C) | 287 | 350 | 389 | 0 | 7.26 | 0.00 | 7.26 |
| B'Sharif-Balia (D/C) | 287 | 371 | 371 | 0 | 7.65 | 0.00 | 7.65 |
| Pusaui-Balia | 22 | 29 | 34 | 3 | 0.32 | 0.00 | 0.32 |
| Gaya-Fatehpur (765 Kv) | 162 | 59 | 165 | 0 | 2.22 | 0.00 | 2.22 |
| Pusaui-Sahupuri | 24 | 146 | 168 | 0 | 3.02 | 0.00 | 3.02 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Son Ngr-Rihand | -26 | -35 | 0 | 36 | 0.00 | 0.70 | -0.70 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | 282 | 125 | 282 | 0 | 4.51 | 0.00 | 4.51 |
| Sub Total ER | 596 | 450 | | | 39.99 | 0.78 | 39.22 |
| Total IR Exch | 4402 | 4230 | | | 136.61 | 14.91 | 121.70 |

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 | |
| 26.88 | 3.82 | 30.70 | 10.42 | 11.04 | -4.89 | -0.35 | 0.00 | 0.00 | |

| Total IR Schedule (MU) | | | Total IR Actual (MU) | | | Net IR UI (MU) | | |
|------------------------|------------------------|--------|----------------------|------------|--------|----------------|------------|-------|
| Through ER | Through WR incld Mndra | Total | Through ER | Through WR | Total | Through ER | Through WR | Total |
| 36.23 | 66.85 | 103.09 | 39.22 | 82.49 | 121.70 | 2.98 | 15.63 | 18.62 |

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 | 3.14 | 15.69 | 40.97 | 79.33 | 51.33 | 6.31 | 1.22 | 0.17 | NA |

| Frequency (Hz) | | | | Average Frequency | Frequency Variation | Std. Dev. | Frequency in 15 Min Block | |
|----------------|-------|---------|-------|-------------------|---------------------|-----------|---------------------------|----------|
| Maximum | | Minimum | | | | | MAX (Hz) | MIN (Hz) |
| Freq | Time | Freq | Time | Hz | Index | | | |
| 50.24 | 13.01 | 49.57 | 19.10 | 49.91 | 0.19 | 0.10 | 50.21 | 0.00 |

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 | 411 | 09:50 | 401 | 22:16 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 415 | 06:28 | 396 | 00:11 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bareilly | 400 | 416 | 08:02 | 395 | 14:53 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kanpur | 400 | 420 | 08:00 | 403 | 15:37 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 414 | 06:04 | 394 | 14:52 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 421 | 08:01 | 401 | 14:25 | 0.0 | 0.0 | 0.3 | 0.0 |
| Bawana | 400 | 417 | 06:06 | 400 | 14:22 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 429 | 01:46 | 415 | 14:53 | 0.0 | 0.0 | 86.7 | 0.0 |
| Hissar | 400 | 410 | 06:30 | 392 | 15:04 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 413 | 20:54 | 399 | 15:03 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 417 | 06:25 | 396 | 14:24 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 414 | 04:00 | 399 | 14:25 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 417 | 22:52 | 408 | 15:02 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 413 | 00:21 | 397 | 05:54 | 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 | 784 | 08:03 | 747 | 14:42 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 783 | 08:01 | 753 | 00:10 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 765 | 799 | 08:02 | 769 | 15:05 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 795 | 00:00 | 763 | 15:37 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 798 | 08:02 | 763 | 15:04 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 765 | 08:03 | 736 | 15:36 | 0.0 | 7.5 | 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 | 507.24 | 1411.35 | 505.72 | 1339.30 | 1211.85 | 710.36 |
| Pong | 426.72 | 384.05 | 410.07 | 494.27 | 420.17 | 902.94 | 581.66 | 227.92 |
| Tehri | 829.79 | 740.04 | 808.35 | 763.28 | 818.50 | 972.00 | 755.33 | 567.00 |
| Koteshwar | 612.50 | 598.50 | 610.85 | 4.95 | 610.20 | 4.65 | 567.00 | 581.00 |
| Chamera-I | 760.00 | 748.75 | 751.18 | 0.00 | 0.00 | 0.00 | 295.67 | 315.02 |
| Rihand | 268.22 | 252.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RPS | 352.80 | 343.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jawahar Sagar | 298.70 | 295.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RSD | 527.91 | 487.91 | 519.11 | 11.01 | 517.85 | 3.60 | 12233.00 | 16974.00 |

* 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 | 1470 | 264 | 0 | 1453 | 0 | 0 | 34.74 | 3.95 | 38.69 |
| Delhi | 392 | -262 | -2 | 431 | -266 | -50 | 11.83 | -5.70 | 6.13 |
| Haryana | 1595 | 143 | 0 | 1606 | 77 | 0 | 38.60 | -4.65 | 33.95 |
| HP | -1221 | -236 | 0 | -1018 | -321 | 0 | -25.78 | -6.64 | -32.43 |
| J&K | -682 | -141 | 0 | -437 | 10 | 0 | -11.56 | -2.14 | -13.70 |
| CHD | 0 | 0 | 0 | 0 | 0 | 0 | 0.24 | 0.09 | 0.33 |
| Rajasthan | -865 | -121 | -49 | -819 | -139 | 0 | -20.07 | -3.58 | -23.65 |
| UP | 811 | 738 | 49 | 331 | 389 | 49 | 11.32 | 17.51 | 28.83 |
| Uttarakhand | 84 | 0 | 0 | 84 | 0 | 0 | 2.06 | 0.00 | 2.06 |
| Total | 1583 | 385 | -1 | 1629 | -249 | -1 | 41.37 | -1.16 | 40.21 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | 1482 | 1410 | 458 | 0 | 0 | 0 |
| Delhi | 698 | 367 | 30 | -481 | 0 | -51 |
| Haryana | 1645 | 1572 | 145 | -986 | 0 | 0 |
| HP | -993 | -1221 | -223 | -416 | 0 | 0 |
| J&K | -378 | -682 | 35 | -288 | 0 | 0 |
| CHD | 30 | 0 | 25 | 0 | 0 | 0 |
| Rajasthan | -816 | -865 | 386 | -512 | 2 | -49 |
| UP | 834 | 292 | 934 | 122 | 49 | 0 |
| Uttarakhand | 111 | 84 | 0 | 0 | 0 | 0 |

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 12.08.2014 :**

Rains in some parts of NR.

XIV. Synchronisation of new generating units :

0.00

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

- 400 kV Makhu - Muktsar of PSEB Ckt -1 & 2 first time charged at 16.49hrs and 18.04hrs of dt 12.08.2014 respectively.
- 315MVA ICT-1 first time charged at 19.28hrs of dt. 12.08.2014 at Muktsar (PSEB) s/station.

XVI. Tripping of lines in pooling stations :**XVII. Complete generation loss in a generating station :**