

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 31.08.2014
Date of Reporting : 01.09.2014

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 |
| 42195 | 3008 | 45203 | 50.14 | 43536 | 2517 | 46053 | 50.13 | 958.0 | 42.10 |

* 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 \$ | | | | | |
| Punjab | 55.59 | 18.99 | | 9016 | 107.80 | 0.32 | 182.38 | 0.00 |
| Haryana | 63.61 | 0.58 | | 84.63 | 82.19 | -2.44 | 146.37 | 0.02 |
| Rajasthan | 104.74 | 0.09 | 6.35 | 65.13 | 62.37 | -2.75 | 173.56 | 0.00 |
| Delhi | 22.61 | | | 67.32 | 64.03 | -3.29 | 86.64 | 0.02 |
| UP | 118.04 | 15.28 | 0.36 | 138.44 | 138.04 | -0.41 | 271.71 | 39.78 |
| Uttarakhand | | 19.49 | | 15.10 | 15.24 | 0.14 | 34.73 | 0.58 |
| HP | | 22.06 | | 1.70 | 1.65 | -0.05 | 23.71 | 0.00 |
| J & K | | 14.11 | 0.00 | 15.63 | 19.45 | 3.82 | 33.56 | 1.70 |
| Chandigarh | | | | 0.00 | 4.83 | 5.30 | 5.30 | 0.00 |
| Total | 364.58 | 90.60 | 6.71 | 461.89 | 500.25 | 496.07 | 957.96 | 42.10 |

* 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 | 8953 | 0 | 30 | 1284 | 9016 | 150 | 50 | 1308 | 9216 |
| Haryana | 7148 | 0 | 34 | 1621 | 7768 | 0 | 5 | 1672 | 7794 |
| Rajasthan | 6500 | 0 | -237 | 80 | 7787 | 0 | -163 | 757 | 8003 |
| Delhi | 3959 | 98 | 188 | 369 | 3790 | 0 | -260 | 236 | 4255 |
| UP | 11102 | 2810 | -122 | 233 | 11372 | 2270 | -24 | 1283 | 11574 |
| Uttarakhand | 1594 | 0 | 17 | 85 | 1450 | 50 | 52 | 85 | 1594 |
| HP | 1076 | 0 | -80 | -934 | 890 | 47 | 37 | -1187 | 1148 |
| J&K | 1626 | 100 | 76 | -376 | 1240 | 0 | 182 | -745 | 1626 |
| Chandigarh | 238 | 0 | -4 | 0 | 223 | 0 | 33 | 0 | 263 |
| Total | 42195 | 3008 | -99 | 2362 | 43536 | 2517 | -87 | 3408 | 43536 |

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

Diversity is 1.04

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 |
|---|-------------------------|----------------------------------|--------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|--------------|
| | | Singrauli STPS | 2000 | 1725 | 1800 | 1850 | 39.21 | 1634 | 40.61 |
| | Rihand I STPS | 1000 | 421 | 447 | 430 | 10.04 | 418 | 9.92 | 0.12 |
| | Rihand II STPS | 1000 | 965 | 1034 | 1002 | 22.65 | 944 | 22.57 | 0.08 |
| | Rihand III STPS | 1000 | 939 | 1003 | 934 | 22.33 | 930 | 21.94 | 0.39 |
| | Dadri I STPS | 840 | 813 | 629 | 714 | 17.15 | 715 | 17.74 | -0.58 |
| | Dadri II STPS | 980 | 478 | 948 | 388 | 14.18 | 591 | 10.74 | 3.44 |
| | Unchahar I TPS | 420 | 198 | 204 | 211 | 4.78 | 199 | 4.59 | 0.19 |
| | Unchahar II TPS | 420 | 400 | 416 | 384 | 9.44 | 393 | 9.25 | 0.19 |
| | Unchahar III TPS | 210 | 198 | 174 | 205 | 4.61 | 192 | 4.50 | 0.11 |
| | I-STPP (Jhajhar) | 1500 | 600 | 656 | 628 | 14.09 | 587 | 14.40 | -0.31 |
| | Dadri GPS | 830 | 741 | 652 | 468 | 12.48 | 520 | 13.96 | -1.49 |
| | Anta GPS | 419 | 383 | 243 | 238 | 6.36 | 265 | 7.40 | -1.04 |
| | Auraiya GPS | 663 | 602 | 424 | 406 | 9.93 | 414 | 11.91 | -1.98 |
| | Dadri Solar | 5 | 1 | 0 | 0 | 0.02 | 1 | 0.03 | -0.01 |
| | Unchahar Solar | 10 | 3 | 0 | 0 | 0.10 | 4 | 0.07 | 0.03 |
| | Sub Total (A) | 11297 | 8467 | 8630 | 7858 | 187 | 7806 | 190 | -2 |
| B. NPC | NAPS | 440 | 268 | 315 | 315 | 6.59 | 274 | 6.43 | 0.15 |
| | RAPS- B | 440 | 199 | 203 | 205 | 4.78 | 199 | 4.78 | 0.00 |
| | RAPS- C | 440 | 385 | 409 | 408 | 8.72 | 363 | 9.24 | -0.52 |
| | Sub Total (B) | 1320 | 852 | 927 | 928 | 20.09 | 837 | 20.45 | -0.36 |
| C. NHPC | Chamera I HPS | 540 | 534 | 530 | 176 | 3.87 | 161 | 3.85 | 0.02 |
| | Chamera II HPS | 300 | 300 | 300 | 202 | 5.13 | 214 | 4.93 | 0.20 |
| | Chamera III HPS | 231 | 229 | 227 | 152 | 3.58 | 149 | 3.41 | 0.17 |
| | Bairasuli HPS | 180 | 178 | 180 | 60 | 1.62 | 68 | 1.59 | 0.04 |
| | Salal-HPS | 690 | 512 | 677 | 519 | 13.81 | 576 | 12.00 | 1.81 |
| | Tanakpur-HPS | 94 | 90 | 92 | 84 | 2.15 | 89 | 2.15 | 0.00 |
| | Uri-HPS | 480 | 372 | 411 | 350 | 9.02 | 376 | 8.92 | 0.10 |
| | Uri-II HPS | 240 | 215 | 241 | 197 | 5.10 | 213 | 5.15 | -0.05 |
| | Dhauliganga-HPS | 280 | 207 | 209 | 209 | 5.01 | 209 | 4.97 | 0.04 |
| | Dulhasti-HPS | 390 | 386 | 399 | 392 | 9.31 | 388 | 9.26 | 0.05 |
| | Sewa-II HPS | 120 | 119 | 124 | 0 | 0.50 | 21 | 0.55 | -0.05 |
| | Parbati 3 | 520 | 130 | 131 | 130 | 2.56 | 107 | 2.08 | 0.48 |
| | Sub Total © | 4065 | 3272 | 3520 | 2471 | 62 | 2569 | 59 | 3 |
| D.SJVNL | NJPC | 1500 | 1605 | 1617 | 1267 | 31.32 | 1305 | 31.52 | -0.20 |
| | Rampur HEP | 275 | 275 | 361 | 283 | 7.02 | 293 | 6.44 | 0.59 |
| | Sub Total (D) | 1775 | 1880 | 1978 | 1550 | 38.35 | 1598 | 37.96 | 0.39 |
| E. THDC | Tehri HPS | 1000 | 1060 | 727 | 480 | 7.54 | 314 | 7.99 | -0.44 |
| | Koteshwar HPS | 400 | 126 | 200 | 90 | 2.57 | 107 | 3.03 | -0.46 |
| | Sub Total (E) | 1400 | 1186 | 927 | 570 | 10.11 | 421 | 11.02 | -0.90 |
| F. BBMB | Bhakra HPS | 1514 | 1016 | 1339 | 665 | 23.27 | 969 | 24.39 | -1.12 |
| | Dehar HPS | 990 | 566 | 825 | 330 | 12.61 | 525 | 13.58 | -0.97 |
| | Pong HPS | 396 | 312 | 384 | 324 | 8.38 | 349 | 7.50 | 0.89 |
| | Sub Total (F) | 2900 | 1894 | 2548 | 1319 | 44.26 | 1844 | 45.46 | -1.21 |
| G. IPP(s)/JV(s) | ADHPL HPS(IPP) | 192 | 0 | 99 | 99 | 2.28 | 95 | 2.76 | -0.48 |
| | KWHEP HPS(IPP) | 1000 | 0 | 1160 | 648 | 17.55 | 731 | 18.78 | -1.23 |
| | Malana Stg-II HPS | 100 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| | Shree Cement TPS | 300 | 0 | 149 | 146 | 3.52 | 147 | 3.54 | -0.02 |
| | Budhil HPS(IPP) | 70 | 0 | 40 | 36 | 0.09 | 4 | 0.78 | -0.69 |
| | Sub Total (G) | 1662 | 0 | 1448 | 929 | 23.44 | 977 | 25.86 | -2.42 |
| H. Total Regional Entities (A-G) | | 24419 | 17552 | 19978 | 15625 | 385.26 | 16053 | 389.21 | -3.95 |

| 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 | 820 | 1000 | 19.02 | 793 | |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 310 | 328 | 6.50 | 271 | |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 695 | 754 | 14.53 | 606 | |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 | |
| | Rajpura | 1400 | 700 | 682 | 15.53 | 647 | |
| | Talwandi Saboo | 660 | 0 | 0 | 0.00 | 0 | |
| | Thermal (Total) | 4680 | 2525 | 2764 | 55.59 | 2316 | |
| | Total Hydro | 1148 | 891 | 931 | 18.99 | 791 | |
| | Total Punjab | 5828 | 3416 | 3695 | 74.58 | 3108 | |
| | Haryana | Panipat TPS | 1367 | 1122 | 925 | 24.51 | 1021 |
| DCRTPP (Yamuna nagar) | | 600 | 426 | 394 | 9.92 | 413 | |
| Faridabad GPS (NTPC) | | 432 | 369 | 349 | 8.22 | 343 | |
| RGTPP (khedar) (IPP) | | 1200 | 581 | 505 | 12.60 | 525 | |
| Magnum Diesel (IPP) | | 25 | 0 | 0 | 0.00 | 0 | |
| Jhajjar(CLP) | | 1320 | 314 | 496 | 8.36 | 348 | |
| Thermal (Total) | | 4944 | 2812 | 2669 | 63.61 | 2650 | |
| Total Hydro | | 62 | 20 | 25 | 0.58 | 24 | |
| Total Haryana | | 5006 | 2832 | 2694 | 64.18 | 2674 | |
| Rajasthan | | kota TPS | 1240 | 1004 | 1022 | 23.13 | 964 |
| | suratgarh TPS | 1500 | 1250 | 1200 | 29.41 | 1226 | |
| | Chabra TPS | 750 | 0 | 178 | 4.36 | 182 | |
| | Dholpur GPS | 330 | 0 | 0 | 0.75 | 31 | |
| | Ramgarh GPS | 271 | 72 | 22 | 2.53 | 105 | |
| | RAPS A (NPC) | 300 | 0 | 0 | 0.00 | 0 | |
| | Barsingsar (NLC) | 250 | 182 | 183 | 4.14 | 173 | |
| | Giral LTPS | 250 | 44 | 44 | 1.46 | 61 | |
| | Rajwest LTPS (IPP) | 1080 | 370 | 761 | 14.14 | 589 | |
| | VSLP LTPS (IPP) | 135 | 0 | 0 | 0.00 | 0 | |
| | Kalisindh Thermal | 600 | 378 | 441 | 9.50 | 396 | |
| | Kawai(Adani) | 1320 | 782 | 599 | 15.32 | 638 | |
| | Thermal (Total) | 8026 | 4082 | 4450 | 105 | 4364 | |
| | Total Hydro | 550 | 0 | 0 | 0.09 | 4 | |
| | Wind power | 2798 | 819 | 195 | 5.35 | 223 | |
| | Biomass | 99 | 0 | 0 | 0.62 | 26 | |
| | Solar | 730 | 0 | 0 | 0.38 | 16 | |
| | Renewable/Others (Total) | 3627 | 819 | 195 | 6.35 | 264 | |
| | Total Rajasthan | 12203 | 4901 | 4645 | 111.18 | 4633 | |
| | UP | Anpara TPS | 1630 | 905 | 868 | 21.20 | 883 |
| Obra TPS | | 1194 | 496 | 482 | 11.70 | 488 | |
| Paricha TPS | | 1140 | 629 | 759 | 17.70 | 738 | |
| Panki TPS | | 210 | 144 | 108 | 3.30 | 138 | |
| Harduaganj TPS | | 665 | 427 | 339 | 9.10 | 379 | |
| Tanda TPS (NTPC) | | 440 | 267 | 265 | 6.67 | 278 | |
| Roza TPS (IPP) | | 1200 | 824 | 825 | 19.69 | 820 | |
| Anpara-C (IPP) | | 1200 | 936 | 941 | 22.10 | 921 | |
| Bajaj Energy Pvt.Ltd(IPP) TPS | | 450 | 284 | 284 | 6.58 | 274 | |
| Thermal (Total) | | 8129 | 4912 | 4871 | 118.04 | 4918 | |
| Vishnuparyag HPS (IPP) | | 400 | 436 | 436 | 10.45 | 435 | |
| Other Hydro | | 527 | 136 | 232 | 4.83 | 201 | |
| Cogeneration | | 981 | 15 | 15 | 0.36 | 15 | |
| Total UP | | 10037 | 5499 | 5554 | 133.68 | 5135 | |
| Uttarakhand | | Total Hydro | 1398 | 857 | 758 | 19.49 | 812 |
| | | Total Uttarakhand | 1398 | 857 | 758 | 19.49 | 812 |
| Delhi | Raighat TPS | 135 | 93 | 88 | 2.45 | 102 | |
| | Delhi Gas Turbine | 282 | 73 | 74 | 1.76 | 74 | |
| | Pragati Gas Turbine | 330 | 288 | 264 | 6.90 | 287 | |
| | Rithala GPS | 95 | 0 | 0 | 0.00 | 0 | |
| | Bawana GPS | 1370 | 293 | 295 | 7.22 | 301 | |
| | Badarpur TPS (NTPC) | 705 | 155 | 136 | 4.28 | 178 | |
| | Thermal (Total) | 2917 | 902 | 857 | 22.61 | 942 | |
| | Total Delhi | 2917 | 902 | 857 | 22.61 | 942 | |
| HP | Baspa HPS (IPP) | 300 | 297 | 257 | 6.31 | 263 | |
| | Malana HPS (IPP) | 86 | 59 | 60 | 1.35 | 56 | |
| | Other Hydro | 728 | 586 | 593 | 14.40 | 600 | |
| | Total HP | 1114 | 942 | 910 | 22.06 | 919 | |
| J & K | Baqilhar HPS (IPP) | 450 | 438 | 436 | 10.25 | 427 | |
| | Other Hydro/IPP | 436 | 157 | 188 | 3.86 | 161 | |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 | |
| | Total J & K | 1094 | 595 | 624 | 14.11 | 588 | |
| Total State Control Area Generation | | 39597 | 19944 | 19737 | 461.89 | 18810 | |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 4281.13 | 5957.85 | 124.71 | 5196 | |
| Total Regional Availability(Gross) | | 64017 | 44203 | 41320 | 971.86 | 40059 | |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 11432 | 10232 | 6657 | 174.22 | 7259 |
| State Control Area Hydro | 5684 | 3441 | 3480 | 90.60 | 3340 |
| Total Regional Hydro | 17116 | 13673 | 10137 | 264.82 | 10599 |

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 | |
| Vindhyachal B/B | 350 | 300 | 350 | 0 | 4.98 | 0.00 | 4.98 |
| Gwalior-Agra (D/C) | 1694 | 2132 | 2366 | 0 | 46.47 | 0.00 | 46.47 |
| Zerda-Kankroli | -189 | -72 | 0 | 317 | 0.00 | 4.32 | -4.32 |
| Zerda-Bhinmal | -155 | 25 | 66 | 369 | 0.00 | 2.30 | -2.30 |
| Malanpur-Auraiya | -125 | -87 | 0 | 130 | 0.00 | 2.29 | -2.29 |
| Badod-Kota/Morak | -29 | -14 | 0 | 131 | 0.00 | 0.98 | -0.98 |
| Mundra-Mohindergarh(HVDC) | 1605 | 1394 | 1614 | 0 | 36.39 | 0.00 | 36.39 |
| Vindhyachal - Rihand | 448 | 441 | 460 | 0 | 10.75 | 0.00 | 10.75 |
| Sub Total WR | 3599 | 4119 | | | 98.58 | 9.89 | 88.70 |
| Pusauli Bypass | 400 | 400 | 400 | 0 | 9.23 | 0.00 | 9.23 |
| MZP- GKP (D/C) | 218 | 620 | 642 | 0 | 10.79 | 0.00 | 10.79 |
| Patna-Balia(D/C) | 114 | 454 | 522 | 0 | 6.82 | 0.00 | 6.82 |
| B'Sharif-Balia (D/C) | 79 | 409 | 556 | 0 | 5.74 | 0.00 | 5.74 |
| Pusauli-Balia | -83 | -7 | 0 | 95 | 0.00 | 1.33 | -1.33 |
| Gaya-Fatehpur (765 Kv) | -90 | -74 | 155 | 94 | 0.14 | 0.00 | 0.14 |
| Pusauli-Sahupuri | 168 | 117 | 168 | 0 | 3.26 | 0.00 | 3.26 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.96 | 0.00 | 0.96 |
| Son Ngr-Rihand | -36 | -40 | 0 | 45 | 0.00 | 0.88 | -0.88 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | -88 | -41 | 172 | 88 | 1.29 | 0.00 | 1.29 |
| Sub Total ER | 682 | 1839 | | | 38.22 | 2.21 | 36.01 |
| Total IR Exch | 4281 | 5958 | | | 136.80 | 12.10 | 124.71 |

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 |
| 24.90 | 3.84 | 28.75 | 11.87 | 7.08 | 12.63 | 28.30 | 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 |
| 53.25 | 76.02 | 129.27 | 36.01 | 88.70 | 124.71 | -17.24 | 12.68 | -4.56 |

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 | 0.00 | 0.01 | 2.30 | 19.11 | 45.54 | 29.43 | 18.94 | 3.92 | NA |

| 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 | | | | |
| 50.33 | 23.00 | 49.79 | 18.13 | 50.06 | 0.09 | 0.08 | 50.33 | 49.98 |

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 | 07:48 | 401 | 04:13 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 416 | 22:54 | 398 | 04:53 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bareilly | 400 | 417 | 16:07 | 403 | 04:49 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kanpur | 400 | 416 | 17:02 | 402 | 19:31 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 413 | 08:02 | 402 | 19:21 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 421 | 17:02 | 408 | 19:26 | 0.0 | 0.0 | 0.7 | 0.0 |
| Bawana | 400 | 416 | 08:01 | 404 | 19:31 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 431 | 16:09 | 415 | 11:43 | 0.0 | 0.0 | 55.8 | 0.1 |
| Hissar | 400 | 412 | 18:01 | 398 | 19:27 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 412 | 18:01 | 400 | 19:30 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 420 | 07:45 | 396 | 19:25 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 421 | 06:06 | 410 | 19:23 | 0.0 | 0.0 | 1.6 | 0.0 |
| Kishenpur | 400 | 417 | 05:03 | 407 | 19:43 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 412 | 04:00 | 393 | 20:31 | 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 | 770 | 12:03 | 749 | 22:08 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 776 | 17:06 | 748 | 04:44 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 765 | 781 | 18:01 | 758 | 19:27 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 794 | 17:06 | 763 | 19:27 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 794 | 18:02 | 769 | 19:27 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 763 | 22:54 | 745 | 22:16 | 0.0 | 0.0 | 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 | 509.71 | 1530.03 | 510.83 | 1590.18 | 695.04 | 717.07 |
| Pong | 426.72 | 384.05 | 415.89 | 705.67 | 422.87 | 1020.81 | 203.68 | 508.74 |
| Tehri | 829.79 | 740.04 | 815.00 | 902.26 | 820.65 | 1020.00 | 240.65 | 171.00 |
| Koteshwar | 612.50 | 598.50 | 610.76 | 4.95 | 610.40 | 4.69 | 171.00 | 170.00 |
| Chamera-I | 760.00 | 748.75 | 752.75 | 0.09 | 0.00 | 0.00 | 174.73 | 105.24 |
| Rihand | 268.22 | 252.98 | 854.20 | 324.70 | 854.30 | 326.40 | 0.00 | 0.00 |
| RPS | 352.80 | 343.81 | 1155.25 | 0.00 | 1155.77 | 3.31 | 13176.00 | 0.00 |
| Jawahar Sagar | 298.70 | 295.78 | 1299.84 | 0.00 | 1310.12 | 2.25 | 14765.00 | 0.00 |
| RSD | 527.91 | 487.91 | 512.86 | 8.37 | 523.85 | 10.76 | 121.25 | 367.33 |

* 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 | 1308 | 0 | 0 | 1284 | 0 | 0 | 30.80 | 0.57 | 31.38 |
| Delhi | 322 | -35 | -51 | 432 | -10 | -53 | 9.36 | -2.95 | 6.41 |
| Haryana | 1660 | 12 | 0 | 1614 | 8 | 0 | 39.50 | 0.23 | 39.73 |
| HP | -1187 | 0 | 0 | -934 | 0 | 0 | -24.11 | 0.00 | -24.11 |
| J&K | -681 | -65 | 0 | -435 | 60 | 0 | -11.53 | -0.99 | -12.52 |
| CHD | 0 | 0 | 0 | 0 | 0 | 0 | 0.24 | 0.00 | 0.24 |
| Rajasthan | -830 | 1587 | 0 | -815 | 893 | 2 | -19.81 | 31.01 | 11.20 |
| UP | 863 | 370 | 49 | 184 | 0 | 49 | 8.79 | 14.61 | 23.39 |
| Uttarakhand | 93 | -8 | 0 | 93 | -8 | 0 | 2.23 | -0.20 | 2.03 |
| Total | 1548 | 1861 | -1 | 1422 | 942 | -2 | 35.47 | 42.28 | 77.75 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | 1318 | 1250 | 303 | 0 | 0 | 0 |
| Delhi | 432 | 297 | 512 | -659 | -51 | -53 |
| Haryana | 1660 | 1614 | 13 | 5 | 0 | 0 |
| HP | -909 | -1187 | 0 | 0 | 0 | 0 |
| J&K | -377 | -681 | 60 | -115 | 0 | 0 |
| CHD | 30 | 0 | 0 | 0 | 0 | 0 |
| Rajasthan | -811 | -835 | 1616 | 631 | 2 | 0 |
| UP | 863 | 152 | 936 | 0 | 49 | 49 |
| Uttarakhand | 93 | 93 | -8 | -8 | 0 | 0 |

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 31.08.2014 :**

1. Normal weather in NR.

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 :**