

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पॉवरसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 15.07.2014
Date of Reporting : 16.07.2014

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 |
| 45027 | 6254 | 51281 | 50.00 | 44129 | 5880 | 50009 | 49.96 | 1058.8 | 118.89 |

* 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 | 62.16 | 23.61 | | 85.77 | 124.65 | 125.46 | 0.81 | 211.23 | 26.53 |
| Haryana | 61.57 | 0.57 | | 62.13 | 124.70 | 124.67 | -0.03 | 186.80 | 0.62 |
| Rajasthan | 121.51 | 0.07 | 12.94 | 134.52 | 46.93 | 46.44 | -0.49 | 180.96 | 24.66 |
| Delhi | 34.91 | | | 34.91 | 88.37 | 86.46 | -1.91 | 121.37 | 0.26 |
| UP | 116.16 | 11.37 | 1.20 | 128.72 | 126.28 | 131.47 | 5.19 | 260.19 | 63.18 |
| Uttarakhand | | 19.68 | | 19.68 | 14.11 | 14.05 | -0.06 | 33.73 | 1.78 |
| HP | | 25.08 | | 25.08 | 0.93 | 0.75 | -0.17 | 25.83 | 0.16 |
| J & K | | 14.73 | 0.00 | 14.73 | 16.63 | 17.12 | 0.49 | 31.85 | 1.70 |
| Chandigarh | | | | 0.00 | 5.52 | 6.88 | 1.36 | 6.88 | 0.00 |
| Total | 396.31 | 95.11 | 14.14 | 505.55 | 548.12 | 553.29 | 5.17 | 1058.84 | 118.89 |

* 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 | 8957 | 1415 | -41 | 1537 | 9172 | 1200 | 28 | 1829 | 9231 |
| Haryana | 7983 | 474 | 36 | 1204 | 7866 | 30 | 14 | 1219 | 8174 |
| Rajasthan | 7281 | 1465 | -6 | -795 | 7502 | 694 | -113 | -663 | 8244 |
| Delhi | 4998 | 0 | -64 | 431 | 4725 | 1 | -386 | 464 | 5852 |
| UP | 11187 | 2730 | 378 | 684 | 10823 | 3955 | 143 | 1409 | 11420 |
| Uttarakhand | 1682 | 70 | -59 | 137 | 1414 | 0 | 23 | 44 | 1711 |
| HP | 1014 | 0 | -40 | -1191 | 946 | 0 | 15 | -1375 | 1191 |
| J&K | 1637 | 100 | 161 | -285 | 1420 | 0 | 115 | -344 | 1676 |
| Chandigarh | 288 | 0 | 64 | 0 | 261 | 0 | 68 | 0 | 358 |
| Total | 45027 | 6254 | 429 | 1723 | 44129 | 5880 | -93 | 2584 | 45674 |

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

Diversity is 1.05

III. Regional Entities :

| A. NTPC | Station/ Constituent | Inst. Capacity (Effective) MW | Declared Capacity(MW) | Peak MW | Off Peak MW | Energy | Average | Schedule | UI |
|---|-------------------------|----------------------------------|--------------------------|--------------|--------------|---------------|--------------|---------------|--------------|
| | | | | (Gross) | (Gross) | (Net MU) | Sentout(MW) | Net MU | Net MU |
| | Singrauli STPS | 2000 | 1907 | 1890 | 2052 | 47.29 | 1970 | 43.69 | 3.60 |
| | Rihand I STPS | 1000 | 752 | 749 | 772 | 16.34 | 681 | 16.11 | 0.72 |
| | Rihand II STPS | 1000 | 776 | 718 | 809 | 16.74 | 698 | 16.62 | 0.12 |
| | Rihand III STPS | 1000 | 752 | 715 | 741 | 16.51 | 688 | 16.11 | 0.40 |
| | Dadri I STPS | 840 | 811 | 848 | 851 | 20.60 | 858 | 19.33 | 1.27 |
| | Dadri II STPS | 980 | 964 | 1009 | 1002 | 23.75 | 990 | 23.03 | 0.72 |
| | Unchahar I TPS | 420 | 396 | 432 | 426 | 10.32 | 430 | 9.44 | 0.88 |
| | Unchahar II TPS | 420 | 400 | 440 | 439 | 10.45 | 435 | 9.49 | 0.95 |
| | Unchahar III TPS | 210 | 198 | 216 | 215 | 5.13 | 214 | 4.68 | 0.45 |
| | ISTPP (Jhajhar) | 1500 | 1031 | 909 | 1000 | 23.16 | 965 | 24.63 | -1.47 |
| | Dadri GPS | 830 | 518 | 0 | 0 | 0.00 | 0 | 0.62 | -0.62 |
| | Anta GPS | 419 | 377 | 0 | 0 | 0.00 | 0 | 0.03 | -0.03 |
| | Auraiya GPS | 663 | 631 | 149 | 153 | 3.65 | 152 | 3.53 | 0.12 |
| | Dadri Solar | 5 | 1 | 0 | 0 | 0.02 | 1 | 0.03 | 0.00 |
| | Unchahar Solar | 10 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| | Sub Total (A) | 11297 | 9516 | 8075 | 8460 | 194 | 8082 | 187 | 7 |
| B. NPC | NAPS | 440 | 267 | 309 | 311 | 6.48 | 270 | 6.41 | 0.07 |
| | RAPS- B | 440 | 391 | 223 | 226 | 4.63 | 193 | 9.38 | -4.75 |
| | RAPS- C | 440 | 375 | 414 | 417 | 8.98 | 374 | 9.00 | -0.02 |
| | Sub Total (B) | 1320 | 1033 | 946 | 954 | 20.09 | 837 | 24.79 | -4.70 |
| C. NHPC | Chamera I HPS | 540 | 534 | 540 | 540 | 13.02 | 542 | 12.82 | 0.20 |
| | Chamera II HPS | 300 | 301 | 309 | 307 | 7.30 | 304 | 7.22 | 0.08 |
| | Chamera III HPS | 231 | 229 | 232 | 231 | 5.55 | 231 | 5.50 | 0.05 |
| | Bairasui HPS | 180 | 179 | 182 | 137 | 3.07 | 128 | 2.78 | 0.29 |
| | Salal-HPS | 690 | 658 | 683 | 660 | 16.14 | 672 | 15.79 | 0.35 |
| | Tanakpur-HPS | 94 | 80 | 84 | 86 | 2.03 | 84 | 1.92 | 0.10 |
| | Uri-HPS | 480 | 475 | 473 | 476 | 11.54 | 481 | 11.40 | 0.14 |
| | Uri-II HPS | 240 | 240 | 245 | 245 | 5.80 | 242 | 5.76 | 0.04 |
| | Dhauliganga-HPS | 280 | 138 | 139 | 140 | 3.33 | 139 | 3.31 | 0.02 |
| | Dulhasti-HPS | 390 | 257 | 270 | 268 | 6.33 | 264 | 6.18 | 0.15 |
| | Sewa-II HPS | 120 | 119 | 122 | 0 | 0.12 | 5 | 1.20 | -1.08 |
| | Parbati 3 | 390 | 261 | 271 | 263 | 5.05 | 210 | 5.02 | 0.03 |
| | Sub Total © | 3935 | 3471 | 3550 | 3353 | 79 | 3303 | 79 | 0 |
| D.SJVNL | NJPC | 1500 | 1605 | 1617 | 1614 | 38.51 | 1605 | 38.52 | -0.01 |
| | Rampur HEP | 275 | 280 | 285 | 281 | 6.83 | 285 | 6.72 | 0.11 |
| | Sub Total (D) | 1775 | 1885 | 1902 | 1895 | 45.34 | 1889 | 45.24 | 0.10 |
| E. THDC | Tehri HPS | 1000 | 660 | 660 | 0 | 6.35 | 265 | 6.30 | 0.05 |
| | Koteshwar HPS | 400 | 129 | 394 | 98 | 3.17 | 132 | 3.10 | 0.07 |
| | Sub Total (E) | 1400 | 789 | 1054 | 98 | 9.53 | 397 | 9.40 | 0.13 |
| F. BBMB | Bhakra HPS | 1514 | 944 | 1338 | 904 | 22.90 | 954 | 22.66 | 0.25 |
| | Dehar HPS | 990 | 570 | 825 | 560 | 13.73 | 572 | 13.69 | 0.04 |
| | Pong HPS | 396 | 249 | 360 | 180 | 6.01 | 250 | 5.99 | 0.02 |
| | Sub Total (F) | 2900 | 1764 | 2523 | 1644 | 42.65 | 1777 | 42.33 | 0.31 |
| G. IPP(s)/JV(s) | ADHPL HPS(IPP) | 192 | 0 | 231 | 230 | 5.49 | 229 | 5.30 | 0.19 |
| | KWHEP HPS(IPP) | 1000 | 0 | 1200 | 1200 | 28.61 | 1192 | 28.51 | 0.10 |
| | Malana Stg-II HPS | 100 | 0 | 113 | 114 | 2.68 | 111 | 2.51 | 0.16 |
| | Shree Cement TPS | 300 | 0 | 181 | 191 | 4.40 | 184 | 4.59 | -0.18 |
| | Budhil HPS(IPP) | 70 | 0 | 71 | 71 | 1.68 | 70 | 1.68 | 0.00 |
| | Sub Total (G) | 1662 | 0 | 1796 | 1806 | 42.87 | 1786 | 42.60 | 0.28 |
| H. Total Regional Entities (A-G) | | 24289 | 18457 | 19847 | 18210 | 433.72 | 18072 | 430.61 | 3.11 |

| 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 | 1240 | 1240 | 27.44 | 1143 | |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 328 | 406 | 7.37 | 307 | |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 677 | 459 | 11.89 | 495 | |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 | |
| | Rajpura | 700 | 697 | 695 | 15.46 | 644 | |
| | Talwandi Saboo | 660 | 0 | 0 | 0.00 | 0 | |
| | Thermal (Total) | 3980 | 2942 | 2800 | 62.16 | 2590 | |
| | Total Hydro | 1148 | 985 | 985 | 23.61 | 984 | |
| | Total Punjab | 5128 | 3927 | 3785 | 85.77 | 3574 | |
| | Haryana | Panipat TPS | 1367 | 1058 | 984 | 23.52 | 980 |
| DCRTPP (Yamuna nagar) | | 600 | 528 | 533 | 12.35 | 515 | |
| Faridabad GPS (NTPC) | | 432 | 0 | 0 | 0.00 | 0 | |
| RGTPP (khedar) (IPP) | | 1200 | 529 | 489 | 12.12 | 505 | |
| Magnum Diesel (IPP) | | 25 | 0 | 0 | 0.00 | 0 | |
| Jhajjar(CLP) | | 1320 | 600 | 558 | 13.58 | 566 | |
| Thermal (Total) | | 4944 | 2715 | 2564 | 61.57 | 2565 | |
| Total Hydro | | 62 | 23 | 21 | 0.57 | 24 | |
| Total Haryana | | 5006 | 2738 | 2585 | 62.13 | 2589 | |
| Rajasthan | | kota TPS | 1240 | 934 | 967 | 22.67 | 944 |
| | | suratgarh TPS | 1500 | 1072 | 1072 | 25.48 | 1062 |
| | Chabra TPS | 750 | 354 | 365 | 8.40 | 350 | |
| | Dholpur GPS | 330 | 0 | 0 | 0.00 | 0 | |
| | Ramgarh GPS | 271 | 127 | 119 | 3.08 | 128 | |
| | RAPS A (NPC) | 300 | 0 | 0 | 0.00 | 0 | |
| | Barsingsar (NLC) | 250 | 96 | 94 | 2.15 | 90 | |
| | Giral LTPS | 250 | 70 | 37 | 1.56 | 65 | |
| | Rajwest LTPS (IPP) | 1080 | 839 | 837 | 20.36 | 848 | |
| | VSLP LTPS (IPP) | 135 | 0 | 0 | 0.00 | 0 | |
| | Kalisindh Thermal | 600 | 387 | 387 | 9.55 | 398 | |
| | Kawai(Adani) | 1320 | 1175 | 1168 | 28.28 | 1178 | |
| | Thermal (Total) | 8026 | 5054 | 5046 | 122 | 5063 | |
| | Total Hydro | 550 | 0 | 0 | 0.07 | 3 | |
| | Wind power | 2798 | 334 | 652 | 11.71 | 488 | |
| | Biomass | 99 | 35 | 35 | 0.84 | 35 | |
| | Solar | 730 | 0 | 0 | 0.39 | 16 | |
| | Renewable/Others (Total) | 3627 | 369 | 687 | 12.94 | 539 | |
| | Total Rajasthan | 12203 | 5423 | 5733 | 134.52 | 5605 | |
| | UP | Anpara TPS | 1630 | 886 | 903 | 21.60 | 900 |
| Obra TPS | | 1288 | 465 | 485 | 11.40 | 475 | |
| Paricha TPS | | 1140 | 749 | 544 | 16.80 | 700 | |
| Panki TPS | | 210 | 144 | 144 | 3.50 | 146 | |
| Harduaganj TPS | | 665 | 347 | 379 | 8.50 | 354 | |
| Tanda TPS (NTPC) | | 440 | 365 | 373 | 9.14 | 381 | |
| Roza TPS (IPP) | | 1200 | 1107 | 757 | 24.05 | 1002 | |
| Anpara-C (IPP) | | 1200 | 530 | 531 | 12.65 | 527 | |
| Bajaj Energy Pvt.Ltd(IPP) TPS | | 450 | 361 | 361 | 8.51 | 355 | |
| Thermal (Total) | | 8223 | 4954 | 4477 | 116.16 | 4840 | |
| Vishnuparyag HPS (IPP) | | 400 | 397 | 0 | 7.54 | 314 | |
| Other Hydro | | 527 | 199 | 176 | 3.83 | 159 | |
| Cogeneration | | 981 | 50 | 50 | 1.20 | 50 | |
| Total UP | | 10131 | 5600 | 4703 | 128.72 | 5049 | |
| Uttarakhand | | Total Hydro | 1303 | 942 | 941 | 19.68 | 820 |
| | Total Uttarakhand | 1303 | 942 | 941 | 19.68 | 820 | |
| Delhi | Rajghat TPS | 135 | 102 | 105 | 2.64 | 110 | |
| | Delhi Gas Turbine | 282 | 177 | 182 | 4.40 | 183 | |
| | Pragati Gas Turbine | 330 | 286 | 290 | 7.11 | 296 | |
| | Rithala GPS | 95 | 0 | 0 | 0.00 | 0 | |
| | Bawana GPS | 1370 | 282 | 258 | 6.85 | 285 | |
| | Badarpur TPS (NTPC) | 705 | 565 | 579 | 13.92 | 580 | |
| | Thermal (Total) | 2917 | 1412 | 1414 | 34.91 | 1455 | |
| | Total Delhi | 2917 | 1412 | 1414 | 34.91 | 1455 | |
| HP | Baspa HPS (IPP) | 300 | 303 | 313 | 7.61 | 317 | |
| | Malana HPS (IPP) | 86 | 104 | 104 | 2.48 | 103 | |
| | Other Hydro | 728 | 615 | 612 | 15.00 | 625 | |
| | Total HP | 1114 | 1022 | 1029 | 25.08 | 1045 | |
| J & K | Baqlihar HPS (IPP) | 450 | 438 | 438 | 10.51 | 438 | |
| | Other Hydro/IPP | 436 | 163 | 175 | 4.22 | 176 | |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 | |
| | Total J & K | 1094 | 601 | 613 | 14.73 | 614 | |
| Total State Control Area Generation | | 38896 | 21665 | 20803 | 505.55 | 20751 | |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 6402.86 | 7132.58 | 158.68 | 6611 | |
| Total Regional Availability(Gross) | | 63186 | 47915 | 46145 | 1097.95 | 45434 | |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 11302 | 10574 | 8534 | 213.58 | 8899 |
| State Control Area Hydro | 5589 | 3772 | 3765 | 95.11 | 3649 |
| Total Regional Hydro | 16891 | 14346 | 12299 | 308.69 | 12548 |

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 | 350 | 200 | 250 | 500 | 1.26 | 4.17 | -2.91 |
| Gwalior-Agra (D/C) | 1828 | 2214 | 2478 | 0 | 47.97 | 0.00 | 47.97 |
| Zerda-Kankroli | -119 | -192 | 0 | 266 | 0.00 | 4.53 | -4.53 |
| Zerda-Bhinmal | -144 | -52 | 0 | 286 | 0.00 | 3.15 | -3.15 |
| Malanpur-Auraiya | -35 | -27 | 0 | 86 | 0.00 | 0.90 | -0.90 |
| Badod-Kota/Morak | -82 | -46 | 0 | 82 | 0.00 | 1.46 | -1.46 |
| Mundra-Mohindergarh(HVDC) | 2302 | 2302 | 2319 | 0 | 56.62 | 0.00 | 56.62 |
| Vindhychal - Rihand | 501 | 450 | 511 | 0 | 11.52 | 0.00 | 11.52 |
| Sub Total WR | 4601 | 4849 | | | 117.36 | 14.21 | 103.16 |
| Pusaali Bypass | 400 | 400 | 400 | 0 | 9.72 | 0.00 | 9.72 |
| MZP- GKP (D/C) | 398 | 710 | 792 | 0 | 13.92 | 0.00 | 13.92 |
| Patna-Balia(D/C) | 484 | 524 | 635 | 0 | 12.30 | 0.00 | 12.30 |
| B'Sharif-Balia (D/C) | 243 | 259 | 405 | 0 | 6.46 | 0.00 | 6.46 |
| Pusaali-Balia | -68 | -68 | 0 | 95 | 0.00 | 1.59 | -1.59 |
| Gaya-Fatehpur (765 Kv) | 56 | 112 | 221 | 0 | 2.77 | 0.00 | 2.77 |
| Pusaali-Sahupuri | 170 | 157 | 186 | 0 | 3.94 | 0.00 | 3.94 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.96 | -0.98 | 1.94 |
| Son Ngr-Rihand | -36 | -34 | 0 | -40 | 0.00 | -0.68 | 0.68 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | 155 | 223 | 334 | 0 | 5.38 | 0.00 | 5.38 |
| Sub Total ER | 1802 | 2284 | | | 55.46 | -0.06 | 55.52 |
| Total IR Exch | 6403 | 7133 | | | 172.82 | 14.14 | 158.68 |

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 |
| 30.68 | 3.51 | 34.19 | 17.34 | 0.16 | -0.41 | 6.94 | 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 |
| 51.12 | 87.33 | 138.45 | 55.52 | 103.16 | 158.68 | 4.40 | 15.83 | 20.23 |

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 | 0.51 | 7.07 | 25.60 | 60.55 | 53.65 | 12.30 | 8.21 | 0.81 | 0.00 |

| 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 | | | |
| 50.28 | 13.03 | 49.66 | 3.11 | 49.96 | 0.12 | 0.10 | 50.24 | 49.84 |

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 | 408 | 17:40 | 400 | 05:25 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 409 | 06:32 | 394 | 03:13 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bareilly | 400 | 414 | 06:33 | 395 | 15:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kanpur | 400 | 416 | 06:02 | 398 | 15:28 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 409 | 06:01 | 396 | 01:24 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 417 | 06:01 | 395 | 15:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bawana | 400 | 413 | 06:02 | 396 | 15:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 421 | 06:00 | 397 | 09:40 | 0.0 | 0.0 | 2.5 | 0.0 |
| Hissar | 400 | 405 | 21:39 | 389 | 15:28 | 0.0 | 0.2 | 0.0 | 0.0 |
| Moga | 400 | 408 | 21:37 | 393 | 15:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 412 | 21:39 | 396 | 01:22 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 409 | 21:34 | 392 | 15:27 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 413 | 06:00 | 403 | 15:28 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 409 | 06:00 | 394 | 20:48 | 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 | 774 | 06:02 | 739 | 15:28 | 0.0 | 0.3 | 0.0 | 0.0 |
| Balia | 765 | 771 | 06:33 | 741 | 09:59 | 0.0 | 0.3 | 0.0 | 0.0 |
| Moga | 765 | 782 | 20:41 | 758 | 15:28 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 786 | 06:02 | 749 | 15:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 788 | 06:02 | 756 | 15:26 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 758 | 06:35 | 727 | 15:29 | 0.1 | 39.3 | 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 | 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 | 1585 | 244 | 0 | 1537 | 0 | 0 | 37.27 | 4.30 | 41.56 |
| Delhi | 313 | 213 | -61 | 261 | 171 | 0 | 9.20 | 2.10 | 11.30 |
| Haryana | 1170 | 49 | 0 | 1162 | 43 | 0 | 26.60 | 2.04 | 28.65 |
| HP | -927 | -448 | 0 | -775 | -416 | 0 | -19.26 | -10.09 | -29.35 |
| J&K | -305 | -39 | 0 | -246 | -39 | 0 | -9.50 | -2.45 | -11.95 |
| CHD | 0 | 0 | 0 | 0 | 0 | 0 | 0.33 | 0.34 | 0.67 |
| Rajasthan | -758 | 95 | 0 | -758 | -37 | 0 | -15.76 | 3.38 | -12.38 |
| UP | 432 | 933 | 44 | 289 | 394 | 0 | 8.29 | 12.51 | 20.80 |
| Uttarakhand | -5 | 49 | 0 | -5 | 142 | 0 | -0.12 | 2.01 | 1.89 |
| Total | 1504 | 1096 | -17 | 1465 | 258 | 0 | 37.04 | 14.14 | 51.19 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | 1585 | 1536 | 354 | 0 | 0 | 0 |
| Delhi | 607 | 261 | 486 | -381 | 0 | -91 |
| Haryana | 1170 | 959 | 180 | 30 | 0 | 0 |
| HP | -725 | -927 | -374 | -507 | 0 | 0 |
| J&K | -196 | -588 | 59 | -318 | 0 | 0 |
| CHD | 41 | 0 | 49 | 0 | 0 | 0 |
| Rajasthan | -463 | -758 | 728 | -37 | 2 | 0 |
| UP | 496 | 256 | 933 | 0 | 44 | 0 |
| Uttarakhand | -5 | -5 | 230 | 39 | 0 | 0 |

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 15.07.2014 :**

1. Hot weather.

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 :**