

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिस्टम की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 16.08.2013
Date of Reporting : 17.08.2013

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 |
| 35002 | 1930 | 36932 | 50.14 | 30329 | 200 | 30529 | 50.49 | 768.0 | 21.48 |

* 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 | 9.12 | 16.87 | | 25.99 | 104.20 | 104.21 | 0.01 | 130.20 | 0.00 |
| Haryana | 49.65 | 0.60 | | 50.25 | 72.45 | 71.58 | -0.86 | 121.83 | 0.00 |
| Rajasthan | 52.74 | 6.71 | 5.41 | 64.85 | 56.49 | 52.35 | -4.13 | 117.21 | 0.00 |
| Delhi | 20.17 | | | 20.17 | 65.39 | 63.64 | -1.75 | 83.81 | 0.12 |
| UP | 112.46 | 3.78 | 1.20 | 117.44 | 116.53 | 111.73 | -4.79 | 229.17 | 19.64 |
| Uttarakhand | | 20.79 | | 20.79 | 12.61 | 12.28 | -0.32 | 33.07 | 0.00 |
| HP | | 22.99 | | 22.99 | 0.63 | -0.29 | -0.92 | 22.70 | 0.01 |
| J & K | | 13.68 | 0.00 | 13.68 | 13.71 | 11.26 | -2.45 | 24.94 | 1.70 |
| Chandigarh | | | | 0.00 | 5.50 | 5.09 | -0.41 | 5.09 | 0.00 |
| Total | 244.13 | 85.41 | 6.61 | 336.15 | 447.50 | 431.87 | -15.63 | 768.02 | 21.48 |

* 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 | 5793 | 0 | -181 | 1844 | 5031 | 0 | -87 | 1852 | 44.23 | |
| Haryana | 5798 | 0 | 129 | 553 | 4896 | 0 | -59 | 521 | 11.72 | |
| Rajasthan | 5568 | 0 | -10 | 36 | 4561 | 0 | -308 | 93 | 2.34 | |
| Delhi | 3971 | 0 | -40 | 297 | 2970 | 0 | -74 | -161 | 3.69 | |
| UP | 9570 | 1830 | 27 | 623 | 10091 | 200 | -232 | 1645 | 21.67 | |
| Uttarakhand | 1591 | 0 | 74 | 13 | 1158 | 0 | -132 | -88 | -1.39 | |
| HP | 1056 | 0 | 73 | -1165 | 705 | 0 | -160 | -1131 | -26.16 | |
| J&K | 1418 | 100 | 66 | -347 | 747 | 0 | -165 | -646 | -10.54 | |
| Chandigarh | 238 | 0 | -17 | -15 | 171 | 0 | -13 | -30 | -0.01 | |
| Total | 35002 | 1930 | 120 | 1838 | 30329 | 200 | -1231 | 2054 | 45.54 | |

* STOA figures are at sellers boundary & PX figures are at regional boundary.

III. Regional Entities :

| Entity | 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 | 1935 | 2061 | 1687 | 39.67 | 1653 | 39.78 | -0.11 |
| | Rihand I STPS | 1000 | 920 | 940 | 665 | 16.59 | 691 | 17.07 | -0.48 |
| | Rihand II STPS | 1000 | 470 | 518 | 326 | 8.30 | 346 | 8.63 | -0.34 |
| | Rihand III STPS | 500 | 485 | 510 | 341 | 8.78 | 366 | 8.94 | -0.17 |
| | Dadri I STPS | 840 | 600 | 361 | 374 | 7.51 | 313 | 8.05 | -0.54 |
| | Dadri II STPS | 980 | 975 | 955 | 688 | 17.41 | 725 | 17.66 | -0.25 |
| | Unchahar I TPS | 420 | 391 | 372 | 312 | 6.77 | 282 | 6.74 | 0.04 |
| | Unchahar II TPS | 420 | 403 | 359 | 306 | 6.84 | 285 | 6.87 | -0.03 |
| | Unchahar III TPS | 210 | 201 | 192 | 154 | 3.48 | 145 | 3.45 | 0.03 |
| | ISTPP (Jhajjar) | 1500 | 1470 | 372 | 325 | 7.18 | 299 | 7.41 | -0.23 |
| | Dadri GPS | 830 | 523 | 0 | 163 | 3.89 | 162 | 3.82 | 0.07 |
| | Anta GPS | 419 | 403 | 248 | 143 | 4.69 | 195 | 4.74 | -0.05 |
| | Auraiya GPS | 663 | 625 | 154 | 117 | 3.27 | 136 | 3.31 | -0.05 |
| | Sub Total (A) | 10782 | 9399 | 7042 | 5601 | 134.38 | 5599 | 136.48 | -2.10 |
| | B. NPC | NAPS | 440 | 289 | 332 | 332 | 7.07 | 294 | 6.94 |
| RAPS- B | | 440 | 399 | 438 | 445 | 9.53 | 397 | 9.58 | -0.04 |
| RAPS- C | | 440 | 364 | 405 | 237 | 6.95 | 290 | 8.74 | -1.79 |
| Sub Total (B) | | 1320 | 1052 | 1175 | 1014 | 23.55 | 981 | 25.25 | -1.70 |
| C. NHPC | Chamera I HPS | 540 | 534 | 540 | 540 | 12.89 | 537 | 12.82 | 0.08 |
| | Chamera II HPS | 300 | 300 | 302 | 301 | 7.17 | 299 | 7.23 | -0.06 |
| | Chamera III HPS | 231 | 231 | 231 | 229 | 5.48 | 228 | 5.54 | -0.06 |
| | Bairasuil HPS | 180 | 121 | 179 | 140 | 2.53 | 105 | 2.66 | -0.13 |
| | Salal-HPS | 690 | 625 | 669 | 669 | 14.56 | 607 | 14.99 | -0.43 |
| | Tanakpur-HPS | 94 | 93 | 94 | 94 | 2.19 | 91 | 2.18 | 0.01 |
| | Uri-HPS | 480 | 450 | 463 | 450 | 10.22 | 426 | 10.60 | -0.38 |
| | Dhauliganga-HPS | 280 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| | Dulhasti-HPS | 390 | 333 | 406 | 259 | 7.98 | 333 | 8.00 | -0.02 |
| | Sewa-II HPS | 120 | 119 | 127 | 120 | 2.92 | 122 | 2.88 | 0.04 |
| | Sub Total (C) | 3305 | 2806 | 3011 | 2802 | 65.94 | 2748 | 66.90 | -0.96 |
| D. NJPC | Nathpa Jhakri | 1500 | 1605 | 1621 | 1622 | 38.66 | 1611 | 38.52 | 0.14 |
| | Sub Total (D) | 1500 | 1605 | 1621 | 1622 | 38.66 | 1611 | 38.52 | 0.14 |
| E. THDC | Tehri HPS | 1000 | 1060 | 1060 | 956 | 25.03 | 1043 | 25.25 | -0.22 |
| | Sub Total (E) | 1400 | 1420 | 1423 | 1317 | 33.64 | 1402 | 33.89 | -0.25 |
| F. BBMB | Bhakra HPS | 1480 | 1189 | 1341 | 1254 | 29.23 | 1218 | 28.54 | 0.69 |
| | Dehar HPS | 990 | 616 | 825 | 605 | 15.45 | 644 | 14.78 | 0.67 |
| | Pong HPS | 396 | 366 | 372 | 372 | 8.99 | 375 | 8.78 | 0.21 |
| | Sub Total (F) | 2866 | 2171 | 2538 | 2231 | 53.67 | 2236 | 52.10 | 1.57 |
| G. IPP(s)/JV(s) | ADHPL HPS(IPP) | 192 | 0 | 215 | 200 | 4.61 | 192 | 4.52 | 0.09 |
| | KWHEP HPS(IPP) | 1000 | 0 | 1200 | 1100 | 28.10 | 1171 | 28.51 | -0.41 |
| | Malana Stg-II HPS | 100 | 0 | 112 | 113 | 2.58 | 107 | 2.45 | 0.13 |
| | Shree Cement TPS | 300 | 0 | 125 | 100 | 2.90 | 121 | 3.00 | -0.10 |
| | Budhil HPS(IPP) | 70 | 0 | 75 | 75 | 1.78 | 74 | 1.68 | 0.10 |
| | Sub Total (G) | 1662 | 0 | 1727 | 1588 | 39.96 | 1665 | 40.15 | -0.19 |
| H. Total Regional Entities (A-G) | 22836 | 18453 | 18537 | 16175 | 389.80 | 16242 | 393.29 | -3.49 | |

| 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 | 170 | 170 | 3.93 | 164 |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 90 | 0 | 0.83 | 35 |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 373 | 149 | 4.36 | 182 |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 |
| | Thermal (Total) | 2620 | 633 | 319 | 9.12 | 380 |
| | Total Hydro | 1148 | 712 | 655 | 16.87 | 703 |
| | Total Punjab | 3768 | 1345 | 974 | 25.99 | 1083 |
| Haryana | Panipat TPS | 1367 | 385 | 381 | 9.18 | 383 |
| | DCRTPP (Yamuna nagar) | 600 | 0 | 0 | 0.00 | 0 |
| | Faridabad GPS (NTPC) | 432 | 193 | 160 | 4.42 | 184 |
| | RGTPP (khedar) (IPP) | 1200 | 756 | 378 | 16.06 | 669 |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 |
| | Jhajjar(CLP) | 1320 | 966 | 761 | 19.99 | 833 |
| | Thermal (Total) | 4944 | 2300 | 1680 | 49.65 | 2069 |
| | Total Hydro | 62 | 25 | 20 | 0.60 | 25 |
| | Total Haryana | 5006 | 2325 | 1700 | 50.25 | 2094 |
| | Rajasthan | kota TPS | 1240 | 486 | 433 | 10.61 |
| suratgarh TPS | | 1500 | 621 | 537 | 13.26 | 552 |
| Chabra TPS | | 500 | 200 | 196 | 4.54 | 189 |
| Dholpur GPS | | 330 | 98 | 98 | 2.03 | 85 |
| Ramgarh GPS | | 111 | 26 | 28 | 0.68 | 28 |
| RAPS A (NPC) | | 300 | 176 | 176 | 4.10 | 171 |
| Barsingsar (NLC) | | 250 | 91 | 91 | 2.11 | 88 |
| Giral LTPS | | 250 | 0 | 0 | 0.00 | 0 |
| Rajwest LTPS (IPP) | | 1080 | 293 | 77 | 4.30 | 179 |
| VSLP LTPS (IPP) | | 135 | 0 | 0 | 0.00 | 0 |
| Kalisindh Thermal | | 600 | 0 | 0 | 0.00 | 0 |
| Kawai(Adani) | | 660 | 502 | 447 | 11.12 | 463 |
| Thermal (Total) | | 6956 | 2493 | 2083 | 52.74 | 2198 |
| Total Hydro | | 550 | 258 | 260 | 6.71 | 280 |
| Wind power | | 2191 | 120 | 92 | 3.87 | 161 |
| Biomass | | 91 | 29 | 29 | 0.69 | 29 |
| Solar | | 201 | 0 | 0 | 0.85 | 35 |
| Renewable/Others (Total) | | 2483 | 149 | 121 | 5.41 | 225 |
| Total Rajasthan | | 9989 | 2900 | 2464 | 64.85 | 2702 |
| UP | | Anpara TPS | 1630 | 1346 | 1312 | 28.50 |
| | Obra TPS | 1288 | 501 | 498 | 10.90 | 454 |
| | Paricha TPS | 1140 | 842 | 937 | 19.40 | 808 |
| | Panki TPS | 210 | 50 | 120 | 1.70 | 71 |
| | Harduaganj TPS | 665 | 325 | 363 | 7.50 | 313 |
| | Tanda TPS (NTPC) | 440 | 385 | 357 | 8.98 | 374 |
| | Roza TPS (IPP) | 1200 | 828 | 837 | 20.26 | 844 |
| | Anpara-C (IPP) | 1200 | 774 | 561 | 14.99 | 624 |
| | Bajaj Energy Pvt.Ltd(IPP) TPS | 450 | 25 | 0 | 0.23 | 10 |
| | Thermal (Total) | 8223 | 5076 | 4985 | 112.46 | 4686 |
| | Vishnuparyag HPS (IPP) | 400 | 0 | 0 | 0.00 | 0 |
| | Other Hydro | 527 | 209 | 129 | 3.78 | 158 |
| | Cogeneration | 981 | 50 | 50 | 1.20 | 50 |
| | Total UP | 10131 | 5335 | 5164 | 117.44 | 4893 |
| | Uttarakhand | Total Hydro | 1303 | 864 | 933 | 20.79 |
| Total Uttarakhand | | 1303 | 864 | 933 | 20.79 | 866 |
| Delhi | Raighat TPS | 135 | 32 | 43 | 1.01 | 42 |
| | Delhi Gas Turbine | 282 | 82 | 71 | 1.94 | 81 |
| | Pragati Gas Turbine | 330 | 263 | 150 | 4.37 | 182 |
| | Riithala GPS | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS | 686 | 236 | 205 | 5.15 | 215 |
| | Badarpur TPS (NTPC) | 705 | 425 | 260 | 7.69 | 321 |
| | Thermal (Total) | 2232 | 1038 | 729 | 20.17 | 840 |
| | Total Delhi | 2232 | 1038 | 729 | 20.17 | 840 |
| HP | Baspa HPS (IPP) | 330 | 307 | 307 | 7.57 | 316 |
| | Malana HPS (IPP) | 86 | 75 | 54 | 1.52 | 63 |
| | Other Hydro | 589 | 586 | 578 | 13.90 | 579 |
| | Total HP | 1005 | 968 | 939 | 22.99 | 958 |
| J & K | Baglihar HPS (IPP) | 450 | 436 | 436 | 10.47 | 436 |
| | Other Hydro | 323 | 135 | 135 | 3.21 | 134 |
| | Gas/Diesel/Others | 183 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 956 | 571 | 571 | 13.68 | 570 |
| Total State Control Area Generation | | 34390 | 15346 | 13474 | 336.15 | 14006 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 2261 | 985 | 39.17 | 1632 |
| Total Regional Availability(Gross) | | 57226 | 36144 | 30634 | 765.12 | 31880 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 10364 | 10120 | 9385 | 227.19 | 9466 |
| State Control Area Hydro | 5368 | 3607 | 3507 | 85.41 | 3559 |
| Total Regional Hydro | 15731 | 13727 | 12892 | 312.61 | 13025 |

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 | -150 | -500 | 0 | -500 | 0.00 | 8.74 | -8.74 |
| Gwalior-Agra (D/C) | 876 | 293 | 1334 | 88 | 16.24 | 0.00 | 16.24 |
| Zerda-Kankroli | -48 | -217 | 0 | 295 | 0.00 | 4.70 | -4.70 |
| Zerda-Bhinmal | 4 | -151 | 30 | 278 | 0.00 | 3.61 | -3.61 |
| Malanpur-Auraiya | -110 | -70 | 0 | 125 | 0.00 | 1.51 | -1.51 |
| Badod-Kota/Morak | 17 | -126 | 36 | 184 | 0.00 | 1.07 | -1.07 |
| Mundra-Mohindergarh(HVDC) | 997 | 627 | 997 | 0 | 18.18 | 0.00 | 18.18 |
| Sub Total WR | 1586 | -144 | | | 34.42 | 19.64 | 14.78 |
| Pusaui Bypass | -395 | -140 | 0 | 411 | 0.00 | 5.42 | -5.42 |
| MZP- GKP (D/C) | 322 | 569 | 706 | 0 | 11.19 | 0.00 | 11.19 |
| Patna-Balia(D/C) | 261 | 307 | 426 | 0 | 7.58 | 0.00 | 7.58 |
| B'Sharif-Balia (D/C) | 165 | 247 | 284 | 0 | 5.18 | 0.00 | 5.18 |
| Pusaui-Balia | -20 | 6 | 28 | 20 | 0.01 | 0.00 | 0.01 |
| Gaya-Fatehpur (765 Kv) | 19 | -38 | 54 | 44 | 0.00 | 0.25 | -0.25 |
| Pusaui-Sahupuri | 126 | 154 | 154 | 0 | 3.57 | 0.00 | 3.57 |
| 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) | 235 | 64 | 235 | 0 | 3.43 | 0.00 | 3.43 |
| Sub Total ER | 675 | 1129 | | | 30.95 | 6.56 | 24.39 |
| Total IR Exch | 2261 | 985 | | | 65.37 | 26.20 | 39.17 |

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

| ER | ISGS/LT Schedule (MU) | | Bilateral Schedule (MU) | | Power Exchange Shdl (MU) | | Wheeling (MU) | |
|-------|-----------------------|-------|-------------------------|------------|--------------------------|------------|---------------|------------|
| | Bhutan | Total | Through ER | Through WR | Through ER | Through WR | Through ER | Through WR |
| 24.65 | 3.71 | 28.36 | -9.51 | 40.45 | -0.42 | -20.15 | 3.18 | -3.18 |

| 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 |
| 21.62 | 48.43 | 70.05 | 24.39 | 14.78 | 39.17 | 2.77 | -33.66 | -30.88 |

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 | 0.00 | 61.10 | 1.00 | 61.10 | 83.40 | 38.90 |

| <----- Frequency (Hz) -----> | | | | Average Frequency | Frequency Variation Index | Std. Dev. | Frequency in 15 Min Block | |
|------------------------------|-------|---------|-------|-------------------|---------------------------|-----------|---------------------------|-------|
| Maximum | | Minimum | | | | | MAX | MIN |
| Freq | Time | Freq | Time | Hz | (Hz) | (Hz) | | |
| 50.55 | 13.03 | 49.72 | 14.08 | 50.15 | 0.47 | 0.15 | 50.55 | 49.92 |

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 | 416 | 17:05 | 408 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 417 | 10:00 | 406 | 22:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Barailly | 400 | 419 | 07:09 | 400 | 05:27 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kanpur | 400 | 420 | 07:05 | 405 | 19:37 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 420 | 03:23 | 406 | 19:22 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 427 | 03:05 | 411 | 13:50 | 0.0 | 0.0 | 46.6 | 0.0 |
| Bawana | 400 | 420 | 02:44 | 406 | 19:23 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 428 | 02:53 | 406 | 19:36 | 0.0 | 0.0 | 33.1 | 0.0 |
| Hissar | 400 | 412 | 03:25 | 397 | 14:05 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 413 | 21:48 | 400 | 14:08 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 416 | 03:23 | 402 | 12:17 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 412 | 03:25 | 398 | 12:24 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 420 | 00:02 | 408 | 12:16 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 417 | 00:03 | 400 | 19:30 | 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 | 782 | 17:01 | 742 | 19:42 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 769 | 17:04 | 735 | 14:08 | 0.0 | 7.1 | 0.0 | 0.0 |
| Moga | 765 | 784 | 21:55 | 755 | 12:24 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 809 | 03:24 | 771 | 19:44 | 0.0 | 0.0 | 15.1 | 0.0 |
| Bhiwani | 765 | 792 | 17:05 | 770 | 14:08 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 765 | 17:04 | 739 | 19:42 | 0.0 | 1.1 | 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 | 506.77 | 1396.66 | 487.96 | 644.48 | 1484.00 | 877.82 |
| Pong | 426.72 | 384.05 | 421.05 | 931.43 | 405.91 | 344.07 | 2049.09 | 513.27 |
| Tehri | 829.79 | 740.04 | 819.35 | 988.00 | 818.65 | 982.26 | 729.35 | 555.00 |
| Koteswar | 612.50 | 598.50 | NA | NA | NA | NA | NA | NA |
| Chamera-I | 760.00 | 748.75 | NA | NA | NA | NA | 953.02 | 347.96 |
| Rihand | 268.22 | 252.98 | 257.89 | 196.40 | 260.12 | 311.30 | NA | NA |
| RPS | 352.80 | 343.81 | 345.25 | NA | NA | NA | NA | NA |
| Jawahar Sagar | 298.70 | 295.78 | NA | NA | NA | NA | NA | NA |
| RSD | 527.91 | 487.91 | 521.67 | 144.00 | 502.54 | 144.00 | 926.24 | 134.45 |

* NA: Not Available

X. System Constraints:

XI. Grid Disturbance / Any Other Significant Event:

XII. Weather Conditions For 16.08.2013 :

1. Rain

XIII. Synchronisation of new generating units :

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

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.

Report for : 16.08.2013

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER