

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 29.12.2014
Date of Reporting : 30.12.2014

I. Regional Availability/Demand:

| Evening Peak (19:00 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 |
| 39917 | 1799 | 41716 | 0.00 | 30501 | 306 | 30807 | 50.36 | 845.2 | 48.62 |

* 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 | 51.37 | 9.19 | | 60.56 | 38.42 | 37.86 | -0.57 | 98.42 | 0.00 |
| Haryana | 69.49 | 0.42 | | 69.91 | 52.43 | 50.69 | -1.75 | 120.60 | 0.00 |
| Rajasthan | 111.74 | 4.76 | 5.13 | 121.63 | 86.65 | 87.35 | 0.70 | 208.98 | 0.00 |
| Delhi | 23.77 | | | 23.77 | 48.45 | 47.99 | -0.46 | 71.75 | 0.00 |
| UP | 152.35 | 3.61 | | 155.97 | 85.47 | 83.44 | -2.03 | 239.41 | 39.75 |
| Uttarakhand | | 6.95 | | 6.95 | 25.77 | 26.90 | 1.12 | 33.85 | 0.99 |
| HP | | 4.66 | | 4.66 | 20.37 | 20.60 | 0.23 | 25.27 | 0.33 |
| J & K | | 4.79 | 0.00 | 4.79 | 35.05 | 38.00 | 2.95 | 42.79 | 7.55 |
| Chandigarh | | | | 0.00 | 3.80 | 4.09 | 0.27 | 4.09 | 0.00 |
| Total | 408.72 | 34.39 | 5.13 | 448.24 | 396.42 | 396.91 | 0.47 | 845.15 | 48.62 |

* 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 (19:00 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 | 4972 | 0 | -27 | -437 | 3664 | 0 | 48 | -354 | 5376 |
| Haryana | 6389 | 0 | 1 | -861 | 4134 | 0 | 48 | -785 | 6389 |
| Rajasthan | 9270 | 0 | -138 | 1042 | 7874 | 0 | 14 | 1470 | 9846 |
| Delhi | 3419 | 0 | -92 | 33 | 1864 | 0 | 9 | -923 | 4192 |
| UP | 10928 | 1395 | -418 | 92 | 9313 | 0 | -23 | 53 | 10928 |
| Uttarakhand | 1711 | 75 | 252 | 482 | 1097 | 0 | -44 | 512 | 1772 |
| HP | 1272 | 22 | -68 | 379 | 717 | 0 | -42 | 521 | 1346 |
| J&K | 1742 | 307 | -155 | 649 | 1737 | 306 | 74 | 666 | 1950 |
| Chandigarh | 215 | 0 | -2 | 24 | 102 | 0 | 24 | -31 | 234 |
| Total | 39917 | 1799 | -647 | 1403 | 30501 | 306 | 108 | 1128 | 39917 |

* 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 :

| 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 (5*200+2*500) | 2000 | 1450 | 1569 | 1506 | 37.22 | 1551 | 34.66 | 2.56 |
| Rihand I STPS (2*500) | 1000 | 797 | 489 | 736 | 19.34 | 806 | 18.42 | 0.91 |
| Rihand II STPS (2*500) | 1000 | 957 | 1012 | 742 | 22.89 | 954 | 21.77 | 1.12 |
| Rihand III STPS (2*500) | 1000 | 838 | 1015 | 777 | 19.27 | 803 | 18.36 | 0.91 |
| Dadri I STPS (4*210) | 840 | 615 | 433 | 411 | 13.06 | 544 | 12.51 | 0.55 |
| Dadri II STPS (2*490) | 980 | 980 | 823 | 671 | 21.56 | 898 | 21.34 | 0.22 |
| Unchahar I TPS (2*210) | 420 | 401 | 386 | 264 | 8.97 | 374 | 9.09 | -0.12 |
| Unchahar II TPS (2*210) | 420 | 396 | 425 | 297 | 9.35 | 389 | 8.49 | 0.86 |
| Unchahar III TPS (1*220) | 210 | 85 | 176 | 0 | 2.04 | 85 | 1.81 | 0.23 |
| I-STPP (Jhajhar) (3*500) | 1500 | 1362 | 932 | 1020 | 25.83 | 1076 | 25.93 | -0.10 |
| Dadri GPS (4*130.19+2*154.51) | 830 | 844 | 391 | 265 | 7.88 | 328 | 7.84 | 0.04 |
| Anta GPS (3*88.71+1*153.2) | 419 | 427 | 242 | 193 | 5.25 | 219 | 5.34 | -0.09 |
| Auraiva GPS (4*111.19+2*109.30) | 663 | 675 | 304 | 216 | 6.30 | 263 | 6.37 | -0.07 |
| Dadri Solar | 5 | 1 | 0 | 0 | 0.01 | 1 | 0.02 | -0.01 |
| Unchahar Solar | 10 | 3 | 0 | 0 | 0.01 | 0 | 0.07 | -0.06 |
| Sub Total (A) | 11297 | 9830 | 8197 | 7098 | 199 | 8290 | 192 | 7 |
| B. NPC | | | | | | | | |
| NAPS (2*220) | 440 | 332 | 373 | 378 | 8.09 | 337 | 7.97 | 0.13 |
| RAPS- B (2*220) | 440 | 410 | 457 | 454 | 9.84 | 410 | 9.84 | 0.00 |
| RAPS- C (2*220) | 440 | 160 | 236 | 174 | 4.36 | 182 | 3.85 | 0.51 |
| Sub Total (B) | 1320 | 902 | 1066 | 1006 | 22.29 | 929 | 21.66 | 0.63 |
| C. NHPC | | | | | | | | |
| Chamera I HPS (3*180) | 540 | 356 | 348 | 0 | 1.16 | 48 | 1.07 | 0.09 |
| Chamera II HPS (3*100) | 300 | 300 | 301 | 0 | 1.17 | 49 | 1.10 | 0.07 |
| Chamera III HPS (3*77) | 231 | 154 | 157 | 0 | 0.71 | 30 | 0.65 | 0.06 |
| Bairasuli HPS(3*60) | 180 | 179 | 120 | 0 | 0.41 | 17 | 0.34 | 0.07 |
| Salal-HPS (6*115) | 690 | 110 | 230 | 62 | 2.73 | 114 | 2.65 | 0.08 |
| Tanakpur-HPS (3*40) | 94 | 28 | 44 | 25 | 0.71 | 30 | 0.68 | 0.03 |
| Uri-I HPS (4*120) | 480 | 107 | 199 | 88 | 2.67 | 111 | 2.57 | 0.11 |
| Uri-II HPS (4*60) | 240 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Dhauliganga-HPS (4*70) | 280 | 129 | 140 | 0 | 0.86 | 36 | 0.80 | 0.06 |
| Dulhasti-HPS (3*130) | 390 | 387 | 402 | 0 | 2.92 | 122 | 2.80 | 0.12 |
| Sewa-II HPS (3*40) | 120 | 79 | 53 | 0 | 0.24 | 10 | 0.24 | 0.00 |
| Parbati 3 (4*130) | 520 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (C) | 4065 | 1830 | 1993 | 175 | 14 | 566 | 13 | 1 |
| D.SJVNL | | | | | | | | |
| NJPC (6*250) | 1500 | 1605 | 1608 | 0 | 6.11 | 254 | 6.00 | 0.11 |
| Rampur HEP (4*68.67) | 275 | 420 | 361 | 0 | 1.72 | 71 | 1.66 | 0.06 |
| Sub Total (D) | 1775 | 2025 | 1969 | 0 | 7.82 | 326 | 7.65 | 0.17 |
| E. THDC | | | | | | | | |
| Tehri HPS (4*250) | 1000 | 1032 | 1034 | 0 | 8.12 | 338 | 8.00 | 0.12 |
| Koteshwar HPS (4*100) | 400 | 116 | 299 | 90 | 2.85 | 119 | 2.80 | 0.05 |
| Sub Total (E) | 1400 | 1148 | 1333 | 90 | 10.97 | 457 | 10.80 | 0.17 |
| F. BBMB | | | | | | | | |
| Bhakra HPS (3*108+2*126+6*157) | 1514 | 585 | 1044 | 338 | 14.04 | 585 | 14.03 | 0.01 |
| Dehar HPS (6*165) | 990 | 121 | 165 | 0 | 2.85 | 119 | 2.90 | -0.05 |
| Pong HPS (6*66) | 396 | 236 | 384 | 60 | 5.46 | 228 | 5.66 | -0.20 |
| Sub Total (F) | 2900 | 941 | 1593 | 398 | 22.35 | 931 | 22.59 | -0.24 |
| G. IPP(s)/JV(s) | | | | | | | | |
| ALLAIN DUHANGAN HPS(IPP) (2*96) | 192 | 0 | 0 | 0 | 0.37 | 15 | 0.47 | -0.10 |
| KARCHAM WANGTOO HPS(IPP) (4*250) | 1000 | 0 | 601 | 0 | 3.50 | 146 | 3.48 | 0.02 |
| Malana Stg-II HPS (2*50) | 100 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Shree Cement TPS (2*150) | 300 | 0 | 147 | 148 | 3.51 | 146 | 3.57 | -0.06 |
| Budhil HPS(IPP) | 70 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (G) | 1662 | 0 | 748 | 148 | 7.39 | 308 | 7.53 | -0.14 |
| H. Total Regional Entities (A-G) | 24419 | 16676 | 16900 | 8915 | 283.36 | 11807 | 275.14 | 8.23 |

| 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) (6*210) | 1260 | 950 | 760 | 19.90 | 829 |
| | Guru Nanak Dev TPS(Bhatinda) (4*110) | 440 | 118 | 100 | 2.32 | 97 |
| | Guru Hargobind Singh TPS(L.mbt) (2*210+2*250) | 920 | 503 | 502 | 10.26 | 427 |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 |
| | Rajpura (2*700) | 1400 | 487 | 343 | 10.30 | 429 |
| | Talwandi Saboo (1*660) | 660 | 357 | 337 | 8.59 | 358 |
| | Thermal (Total) | 4680 | 2415 | 2042 | 51.37 | 2140 |
| | Total Hydro | 1148 | 365 | 454 | 9.19 | 383 |
| Total Punjab | 5828 | 2780 | 2496 | 60.56 | 2523 | |
| Haryana | Panipat TPS (4*110+2*210+2*250) | 1367 | 847 | 566 | 16.97 | 707 |
| | DCRTPP (Yamuna nagar) (2*300) | 600 | 521 | 466 | 11.57 | 482 |
| | Faridabad GPS (NTPC) | 432 | 281 | 280 | 6.82 | 284 |
| | RGTPP (khedar) (IPP) (2*600) | 1200 | 1148 | 715 | 20.91 | 871 |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 |
| | Jhajjar(CLP) (2*660) | 1320 | 618 | 372 | 13.22 | 551 |
| | Thermal (Total) | 4944 | 3415 | 2399 | 69.49 | 2895 |
| | Total Hydro | 62 | 16 | 14 | 0.42 | 17 |
| | Total Haryana | 5006 | 3431 | 2413 | 69.91 | 2913 |
| | Rajasthan | kota TPS (2*110+2*195+3*210) | 1240 | 986 | 950 | 24.12 |
| suratgarh TPS (6*250) | | 1500 | 1239 | 1158 | 29.27 | 1220 |
| Chabra TPS (3*250) | | 750 | 607 | 610 | 14.78 | 616 |
| Dholpur GPS (3*110) | | 330 | 116 | 116 | 2.92 | 122 |
| Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50) | | 271 | 199 | 164 | 4.55 | 190 |
| RAPS A (NPC) (1*100+1*200) | | 300 | 146 | 151 | 4.10 | 171 |
| Barsingsar (NLC) (2*125) | | 250 | 191 | 191 | 4.42 | 184 |
| Giral LTPS (2*125) | | 250 | 89 | 65 | 1.71 | 71 |
| Rajwest LTPS (IPP) (8*135) | | 1080 | 611 | 612 | 13.65 | 569 |
| VS LIGNITE LTPS (IPP) (1*135) | | 135 | 0 | 0 | 0.00 | 0 |
| Kalisindh Thermal(1*600) | | 600 | 0 | 0 | 0.00 | 0 |
| Kawai(Adani) (2*660) | | 1320 | 552 | 442 | 12.21 | 509 |
| Thermal (Total) | | 8026 | 4736 | 4459 | 112 | 4656 |
| Total Hydro | | 550 | 271 | 110 | 4.76 | 198 |
| Wind power | | 2798 | 158 | 167 | 4.30 | 179 |
| Biomass | | 99 | 28 | 28 | 0.68 | 28 |
| Solar | | 730 | 0 | 0 | 0.15 | 6 |
| Renewable/Others (Total) | | 3627 | 186 | 195 | 5.13 | 214 |
| Total Rajasthan | | 12203 | 5193 | 4764 | 121.63 | 5068 |
| UP | Anpara TPS (3*210+2*500) | 1630 | 1251 | 1263 | 29.30 | 1221 |
| | Obra TPS (2*50+2*94+5*200) | 1194 | 338 | 328 | 7.90 | 329 |
| | Paricha TPS (2*110+2*220+2*250) | 1140 | 713 | 819 | 18.50 | 771 |
| | Panki TPS (2*105) | 210 | 45 | 68 | 1.40 | 58 |
| | Harduaganj TPS (1*60+1*105+2*250) | 665 | 458 | 459 | 11.00 | 458 |
| | Tanda TPS (NTPC) (4*110) | 440 | 387 | 364 | 9.42 | 392 |
| | Roza TPS (IPP) (4*300) | 1200 | 1040 | 802 | 23.78 | 991 |
| | Anpara-C (IPP) (2*600) | 1200 | 1016 | 914 | 23.55 | 981 |
| | Bajaj Energy Pvt.Ltd(IPP) TPS (10*45) | 450 | 402 | 281 | 8.30 | 346 |
| | Thermal (Total) | 8129 | 5650 | 5298 | 133.15 | 5548 |
| | Vishnuparyag HPS (IPP) | 400 | 79 | 78 | 1.86 | 77 |
| | Other Hydro | 527 | 40 | 25 | 1.76 | 73 |
| | Cogeneration | 981 | 800 | 800 | 19.20 | 800 |
| | Total UP | 10037 | 6569 | 6201 | 155.97 | 6421 |
| | Uttarakhand | Total Hydro | 1398 | 358 | 198 | 6.95 |
| Total Uttarakhand | | 1398 | 358 | 198 | 6.95 | 290 |
| Delhi | Raighat TPS (2*67.5) | 135 | 0 | 0 | 0.00 | 0 |
| | Delhi Gas Turbine (6x30 + 3x34) | 282 | 77 | 78 | 1.94 | 81 |
| | Pragati Gas Turbine (2x104+ 1x122) | 330 | 266 | 265 | 6.61 | 276 |
| | Rithala GPS (3*36) | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS (6*250) | 1370 | 299 | 295 | 7.11 | 296 |
| | Badarpur TPS (NTPC) (3*95+2*210) | 705 | 319 | 335 | 8.11 | 338 |
| | Thermal (Total) | 2917 | 961 | 973 | 23.77 | 990 |
| Total Delhi | 2917 | 961 | 973 | 23.77 | 990 | |
| HP | Baspa HPS (IPP) (2*150) | 300 | 30 | 30 | 1.23 | 51 |
| | Malana HPS (IPP) (2*43) | 86 | 0 | 0 | 0.29 | 12 |
| | Other Hydro | 728 | 133 | 82 | 3.14 | 131 |
| | Total HP | 1114 | 163 | 112 | 4.66 | 194 |
| J & K | Baqilhar HPS (IPP) (3*150) | 450 | 150 | 150 | 3.60 | 150 |
| | Other Hydro/IPP | 436 | 64 | 46 | 1.19 | 50 |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 1094 | 214 | 196 | 4.79 | 200 |
| Total State Control Area Generation | | 39597 | 19669 | 17353 | 448.24 | 18599 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 5537 | 4980 | 142.72 | 5947 |
| Total Regional Availability(Gross) | | 64017 | 42106 | 31248 | 874.33 | 36353 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|-------------|-------------|--------------|-------------|
| Regional Entities Hydro | 11432 | 7490 | 663 | 58.60 | 2442 |
| State Control Area Hydro | 5684 | 1427 | 1109 | 34.39 | 1356 |
| Total Regional Hydro | 17116 | 8917 | 1772 | 92.99 | 3797 |

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

| Element | Peak(19:00 Hrs) | Off Peak(03:00 Hrs) | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|----------------------------|-----------------|---------------------|--------------------------|--------|---------------|-------------|---------------|
| | MW | MW | Import | Export | Import | Export | |
| Vindhychal B/B | 200 | 200 | 200 | 0 | 4.72 | 0.00 | 4.72 |
| Gwalior-Agra (D/C) | 1384 | 1516 | 2022 | 0 | 39.72 | 0.00 | 39.72 |
| Zerda-Kankroli | -45 | -155 | 41 | 212 | 0.00 | 1.85 | -1.85 |
| Zerda-Bhinmal | 50 | 70 | 249 | 1 | 3.08 | 0.00 | 3.08 |
| Malanpur-Auraiya | -100 | -70 | 0 | 150 | 0.00 | 2.36 | -2.36 |
| Badod-Kota/Morak | -12 | -80 | 9 | 88 | 0.00 | 1.10 | -1.10 |
| Mundra-Mohindergarh(HVDC) | 2102 | 2100 | 2305 | 0 | 52.13 | 0.00 | 52.13 |
| Vindhychal - Rihand | 490 | 275 | 507 | 0 | 10.00 | 0.00 | 10.00 |
| Sub Total WR | 4069 | 3856 | | | 109.64 | 5.30 | 104.34 |
| Pusauli Bypass | 500 | 500 | 500 | 0 | 11.06 | 0.00 | 11.06 |
| MZP- GKP (D/C) | 2 | 5 | 131 | 5 | 1.39 | 0.00 | 1.39 |
| Patna-Balia(D/C) | 551 | 545 | 776 | 0 | 13.65 | 0.00 | 13.65 |
| B'Sharif-Balia (D/C) | -61 | -87 | 114 | 14 | 0.32 | -0.57 | 0.89 |
| Pusauli-Balia | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Gaya-Fatehpur (765 Kv) | 350 | 180 | 606 | 0 | 8.80 | 0.00 | 8.80 |
| Pusauli-Sahupuri | 122 | 125 | 150 | 0 | 2.92 | 0.00 | 2.92 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.48 | -0.48 |
| Son Ngr-Rihand | -33 | -35 | 0 | 45 | 0.00 | 0.85 | -0.85 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | 37 | -109 | 247 | 160 | 1.01 | 0.00 | 1.01 |
| Sub Total ER | 1468 | 1124 | | | 39.15 | 0.76 | 38.39 |
| Total IR Exch | 5537 | 4980 | | | 148.78 | 6.06 | 142.72 |

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 |
| 24.35 | 0.34 | 24.69 | 10.50 | -9.60 | 10.46 | 26.40 | 5.89 | -5.89 |

| Total IR Schedule (MU) | | | Total IR Actual (MU) | | | Net IR UI (MU) | | |
|------------------------|------------------------|--------|----------------------|------------|--------|----------------|------------|-------|
| Through ER | Through WR Inclds Mdra | Total | Through ER | Through WR | Total | Through ER | Through WR | Total |
| 51.54 | 94.65 | 146.19 | 38.39 | 104.34 | 142.72 | -13.16 | 9.69 | -3.47 |

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 | 1.13 | 6.01 | 21.79 | 47.44 | 37.36 | 13.89 | 19.73 | 7.74 | 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 | | | | |
| 50.44 | 00:00:00 | 49.60 | 09:21:40 | 50.01 | 0.19 | 0.14 | 50.38 | 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 | 410 | 02:08 | 403 | 12:33 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 410 | 02:32 | 391 | 09:38 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bareilly | 400 | 424 | 23:58 | 400 | 09:37 | 0.0 | 0.0 | 4.2 | 0.0 |
| Kanpur | 400 | 421 | 23:58 | 398 | 09:37 | 0.0 | 0.0 | 0.1 | 0.0 |
| Dadri | 400 | 422 | 02:31 | 403 | 10:35 | 0.0 | 0.0 | 3.2 | 0.0 |
| Ballabgarh | 400 | 429 | 02:25 | 407 | 10:37 | 0.0 | 0.0 | 37.5 | 0.0 |
| Bawana | 400 | 427 | 02:13 | 408 | 10:35 | 0.0 | 0.0 | 30.9 | 0.0 |
| Bassi | 400 | 426 | 21:44 | 391 | 09:38 | 0.0 | 0.0 | 10.6 | 0.0 |
| Hissar | 400 | 417 | 02:14 | 397 | 10:37 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 424 | 02:23 | 405 | 10:35 | 0.0 | 0.0 | 11.0 | 0.0 |
| Abdullapur | 400 | 424 | 02:31 | 396 | 18:27 | 0.0 | 0.0 | 13.3 | 0.0 |
| Nalagarh | 400 | 428 | 02:31 | 412 | 18:21 | 0.0 | 0.0 | 55.2 | 0.0 |
| Kishenpur | 400 | 416 | 01:59 | 390 | 18:12 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 396 | 02:02 | 363 | 18:48 | 45.7 | 82.7 | 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 | 23:57 | 737 | 09:37 | 0.0 | 5.7 | 0.0 | 0.0 |
| Balia | 765 | 772 | 23:58 | 735 | 10:32 | 0.0 | 16.5 | 0.0 | 0.0 |
| Moga | 765 | 0 | 00:00 | 9999 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 798 | 23:57 | 751 | 09:35 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 0 | 00:00 | 9999 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 771 | 23:57 | 728 | 12:37 | 0.0 | 39.2 | 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 | 498.12 | 1018.16 | 502.63 | 1205.87 | 137.28 | 411.10 |
| Pong | 426.72 | 384.05 | 405.71 | 361.16 | 412.34 | 577.87 | 44.94 | 382.82 |
| Tehri | 829.79 | 740.04 | 810.70 | 815.00 | 813.50 | 852.00 | 44.46 | 188.00 |
| Koteshwar | 612.50 | 598.50 | 609.95 | 4.40 | 609.45 | 4.21 | 188.00 | 187.00 |
| Chamera-I | 760.00 | 748.75 | 759.51 | 0.00 | 0.00 | 0.00 | 38.81 | 30.89 |
| Rihand | 268.22 | 252.98 | 851.80 | 284.70 | 858.80 | 404.60 | 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 | 506.94 | 2.91 | 511.77 | 2.15 | 37.05 | 27.02 |

* NA: Not Available

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

| State | Off- Peak Hours (03:00 Hrs) | | | Peak Hours (19:00 Hrs) | | | Day Energy (MU) | | |
|--------------|-----------------------------|-------------|-----------|------------------------|-------------|-----------|-----------------|-----------------|--------------|
| | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MU) | IEX / PXIL (MU) | Total (MU) |
| Punjab | -419 | 64 | 0 | -439 | 2 | 0 | -11.12 | 0.49 | -10.63 |
| Delhi | -902 | -10 | -10 | -546 | 590 | -10 | -14.05 | 8.31 | -5.74 |
| Haryana | -894 | 109 | 0 | -894 | 32 | 0 | -22.86 | 1.46 | -21.40 |
| HP | 475 | 46 | 0 | 446 | -67 | 0 | 12.01 | -1.58 | 10.43 |
| J&K | 599 | 67 | 0 | 424 | 225 | 0 | 11.53 | 3.20 | 14.73 |
| CHD | -31 | 0 | 0 | 0 | 24 | 0 | -0.25 | 0.43 | 0.19 |
| Rajasthan | 810 | 659 | 1 | 759 | 282 | 1 | 19.27 | 16.16 | 35.42 |
| UP | 53 | 0 | 0 | 92 | 0 | 0 | 0.31 | 0.00 | 0.31 |
| Uttarakhand | 213 | 278 | 21 | 213 | 231 | 38 | 5.12 | 9.86 | 14.97 |
| Total | -96 | 1212 | 12 | 55 | 1319 | 29 | -0.04 | 38.32 | 38.28 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | -419 | -514 | 185 | 0 | 0 | 0 |
| Delhi | -247 | -902 | 875 | -15 | -10 | -10 |
| Haryana | -894 | -1063 | 110 | 26 | 0 | 0 |
| HP | 540 | 426 | 46 | -423 | 0 | 0 |
| J&K | 599 | 424 | 225 | -18 | 0 | 0 |
| CHD | 0 | -31 | 59 | 0 | 0 | 0 |
| Rajasthan | 896 | 759 | 1527 | 40 | 1 | 0 |
| UP | 113 | -163 | 0 | 0 | 0 | 0 |
| Uttarakhand | 213 | 213 | 504 | 2 | 45 | 20 |

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 29.12.2014 :**

Fog

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 :**