

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 16.01.2015
Date of Reporting : 17.01.2015

I. Regional Availability/Demand:

| Demand Met | Evening Peak (19:00 Hrs) MW | | | Off Peak (03:00 Hrs) MW | | | Day Energy (Net MU) | | |
|------------|-----------------------------|-------------|------------|-------------------------|----------|-------------|---------------------|------------|----------|
| | Shortage | Requirement | Freq* (Hz) | Demand Met | Shortage | Requirement | Freq* (Hz) | Demand Met | Shortage |
| 39023 | 2153 | 41176 | 50.06 | 29774 | 1016 | 30790 | 50.16 | 826.6 | 57.99 |

* 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 | 46.47 | 6.13 | | 52.60 | 35.99 | 35.77 | -0.22 | 88.37 | 0.00 |
| Haryana | 72.91 | 0.42 | | 73.32 | 44.98 | 41.04 | -3.93 | 114.37 | 0.00 |
| Rajasthan | 123.23 | 4.85 | 6.03 | 134.11 | 72.75 | 76.15 | 3.40 | 210.27 | 0.00 |
| Delhi | 20.66 | | | 20.66 | 50.14 | 50.06 | -0.08 | 70.72 | 0.05 |
| UP | 152.49 | 5.51 | | 158.01 | 75.85 | 76.48 | 0.63 | 234.49 | 49.63 |
| Uttarakhand | | 9.86 | | 9.86 | 25.06 | 26.56 | 1.51 | 36.42 | 0.62 |
| HP | | 4.31 | | 4.31 | 20.22 | 20.94 | 0.72 | 25.25 | 0.15 |
| J & K | | 4.38 | 0.00 | 4.38 | 34.72 | 38.39 | 3.67 | 42.76 | 7.55 |
| Chandigarh | | | | 0.00 | 3.75 | 4.00 | 0.27 | 4.00 | 0.00 |
| Total | 415.76 | 35.46 | 6.03 | 457.25 | 363.45 | 369.39 | 5.95 | 826.64 | 57.99 |

* 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 | 4658 | 0 | 30 | -373 | 2901 | 0 | 97 | -374 | 5118 |
| Haryana | 6214 | 0 | -121 | -850 | 3488 | 0 | -132 | -795 | 6214 |
| Rajasthan | 9060 | 0 | 29 | 934 | 8101 | 0 | 8 | 1068 | 9724 |
| Delhi | 3453 | 5 | 41 | -10 | 1654 | 0 | 1 | -924 | 4206 |
| UP | 10419 | 1735 | -267 | 98 | 9834 | 720 | 74 | 73 | 10419 |
| Uttarakhand | 1846 | 75 | 59 | 620 | 1267 | 0 | 119 | 404 | 1907 |
| HP | 1250 | 0 | 9 | 386 | 753 | 0 | 28 | 470 | 1351 |
| J&K | 1914 | 338 | 144 | 615 | 1676 | 296 | 134 | 677 | 1954 |
| Chandigarh | 209 | 0 | 9 | 10 | 100 | 0 | 19 | -31 | 234 |
| Total | 39023 | 2153 | -67 | 1430 | 29774 | 1016 | 348 | 570 | 39023 |

* 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 | 1583 | 1554 | 37.86 | 1577 | 34.80 | 3.06 |
| Rihand I STPS (2*500) | 1000 | 409 | 461 | 431 | 10.83 | 451 | 9.63 | 1.20 |
| Rihand II STPS (2*500) | 1000 | 900 | 965 | 896 | 22.61 | 942 | 21.08 | 1.54 |
| Rihand III STPS (2*500) | 1000 | 966 | 1012 | 877 | 23.45 | 977 | 22.12 | 1.33 |
| Dadri I STPS (4*210) | 840 | 815 | 654 | 550 | 18.06 | 752 | 16.84 | 1.22 |
| Dadri II STPS (2*490) | 980 | 980 | 954 | 659 | 21.81 | 909 | 21.29 | 0.52 |
| Unchahar I TPS (2*210) | 420 | 391 | 406 | 325 | 9.77 | 407 | 8.93 | 0.84 |
| Unchahar II TPS (2*210) | 420 | 391 | 423 | 292 | 9.44 | 393 | 8.50 | 0.94 |
| Unchahar III TPS (1*220) | 210 | 196 | 214 | 139 | 4.67 | 195 | 4.22 | 0.45 |
| I-STPP (Jhajhar) (3*500) | 1500 | 1500 | 1287 | 896 | 21.88 | 912 | 23.40 | -1.52 |
| Dadri GPS (4*130.19+2*154.51) | 830 | 848 | 305 | 420 | 8.33 | 347 | 8.25 | 0.08 |
| Anta GPS (3*88.71+1*153.2) | 419 | 426 | 207 | 262 | 6.06 | 253 | 5.98 | 0.09 |
| Auraiva GPS (4*111.19+2*109.30) | 663 | 678 | 159 | 174 | 3.99 | 166 | 4.02 | -0.03 |
| Dadri Solar | 5 | 1 | 0 | 0 | 0.02 | 1 | 0.02 | -0.01 |
| Unchahar Solar | 10 | 3 | 0 | 0 | 0.01 | 0 | 0.07 | -0.06 |
| Singrauli Solar | 15 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Sub Total (A) | 11312 | 9954 | 8630 | 7475 | 199 | 8283 | 189 | 10 |
| B. NPC | | | | | | | | |
| NAPS (2*220) | 440 | 377 | 419 | 423 | 9.14 | 381 | 9.05 | 0.09 |
| RAPS- B (2*220) | 440 | 393 | 433 | 438 | 9.41 | 392 | 9.43 | -0.02 |
| RAPS- C (2*220) | 440 | 215 | 0 | 236 | 2.98 | 124 | 5.16 | -2.18 |
| Sub Total (B) | 1320 | 985 | 852 | 1097 | 21.53 | 897 | 23.64 | -2.11 |
| C. NHPC | | | | | | | | |
| Chamera I HPS (3*180) | 540 | 534 | 547 | 0 | 1.71 | 71 | 1.60 | 0.11 |
| Chamera II HPS (3*100) | 300 | 300 | 308 | 0 | 1.09 | 46 | 1.00 | 0.09 |
| Chamera III HPS (3*77) | 231 | 154 | 149 | 0 | 0.58 | 24 | 0.55 | 0.03 |
| Bairasuli HPS(3*60) | 180 | 120 | 124 | 0 | 0.44 | 18 | 0.38 | 0.06 |
| Salal-HPS (6*115) | 690 | 93 | 225 | 70 | 2.41 | 100 | 2.24 | 0.16 |
| Tanakpur-HPS (3*40) | 94 | 28 | 32 | 29 | 0.72 | 30 | 0.67 | 0.05 |
| Uri-I HPS (4*120) | 480 | 97 | 214 | 22 | 2.57 | 107 | 2.33 | 0.24 |
| Uri-II HPS (4*60) | 240 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Dhauliganga-HPS (4*70) | 280 | 139 | 140 | 0 | 0.97 | 41 | 0.90 | 0.08 |
| Dulhasti-HPS (3*130) | 390 | 258 | 274 | 0 | 2.84 | 119 | 2.70 | 0.14 |
| Sewa-II HPS (3*40) | 120 | 119 | 45 | 0 | 0.21 | 9 | 0.36 | -0.15 |
| Parbati 3 (4*130) | 520 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (C) | 4065 | 1842 | 2058 | 121 | 14 | 564 | 13 | 1 |
| D. SJVNL | | | | | | | | |
| NJPC (6*250) | 1500 | 1350 | 1339 | 0 | 6.24 | 260 | 6.09 | 0.14 |
| Rampur HEP (4*68.67) | 275 | 300 | 296 | 0 | 1.53 | 64 | 1.54 | -0.01 |
| Sub Total (D) | 1775 | 1650 | 1635 | 0 | 7.76 | 323 | 7.63 | 0.13 |
| E. THDC | | | | | | | | |
| Tehri HPS (4*250) | 1000 | 1000 | 1000 | 0 | 9.20 | 383 | 9.10 | 0.10 |
| Koteshwar HPS (4*100) | 400 | 134 | 290 | 89 | 3.26 | 136 | 3.20 | 0.06 |
| Sub Total (E) | 1400 | 1134 | 1290 | 89 | 12.46 | 519 | 12.30 | 0.16 |
| F. BBMB | | | | | | | | |
| Bhakra HPS (3*108+2*126+6*157) | 1514 | 508 | 1092 | 338 | 12.34 | 514 | 12.19 | 0.15 |
| Dehar HPS (6*165) | 990 | 119 | 330 | 0 | 2.95 | 123 | 2.87 | 0.09 |
| Pong HPS (6*66) | 396 | 155 | 312 | 0 | 3.98 | 166 | 3.71 | 0.27 |
| Sub Total (F) | 2900 | 782 | 1734 | 338 | 19.27 | 803 | 18.77 | 0.51 |
| G. IPP(s)/JV(s) | | | | | | | | |
| ALLAIN DUHANGAN HPS(IPP) (2*96) | 192 | 0 | 60 | 0 | 0.04 | 1 | 0.34 | -0.31 |
| KARCHAM WANGTOO HPS(IPP) (4*250) | 1000 | 0 | 590 | 0 | 3.45 | 144 | 3.33 | 0.12 |
| Malana Stg-II HPS (2*50) | 100 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Shree Cement TPS (2*150) | 300 | 0 | 281 | 153 | 5.56 | 232 | 5.52 | 0.04 |
| Budhil HPS(IPP) | 70 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (G) | 1662 | 0 | 931 | 153 | 9.04 | 377 | 9.19 | -0.15 |
| H. Total Regional Entities (A-G) | 24434 | 16346 | 17130 | 9273 | 282.39 | 11766 | 273.40 | 8.99 |

| 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 | 510 | 480 | 12.00 | 500 |
| | Guru Nanak Dev TPS(Bhatinda) (4*110) | 440 | 110 | 80 | 2.23 | 93 |
| | Guru Hargobind Singh TPS(L.mbt) (2*210+2*250) | 920 | 463 | 335 | 9.38 | 391 |
| | Goindwal(GVK) | | 0 | 0 | 0.00 | 0 |
| | Rajpura (2*700) | 1400 | 641 | 355 | 12.69 | 529 |
| | Talwandi Saboo (1*660) | 660 | 360 | 358 | 10.17 | 424 |
| | Thermal (Total) | 4680 | 2084 | 1608 | 46.47 | 1936 |
| | Total Hydro | 1148 | 333 | 154 | 6.13 | 256 |
| Total Punjab | 5828 | 2417 | 1762 | 52.60 | 2192 | |
| Haryana | Panipat TPS (4*110+2*210+2*250) | 1367 | 662 | 616 | 15.09 | 629 |
| | DCRTPP (Yamuna nagar) (2*300) | 600 | 542 | 475 | 12.21 | 509 |
| | Faridabad GPS (NTPC) | 432 | 322 | 321 | 8.22 | 342 |
| | RGTPP (khedar) (IPP) (2*600) | 1200 | 1170 | 739 | 23.69 | 987 |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 |
| | Jhajjar(CLP) (2*660) | 1320 | 624 | 377 | 13.69 | 571 |
| | Thermal (Total) | 4944 | 3320 | 2528 | 72.91 | 3038 |
| | Total Hydro | 62 | 16 | 20 | 0.42 | 17 |
| | Total Haryana | 5006 | 3336 | 2548 | 73.32 | 3055 |
| | Rajasthan | kota TPS (2*110+2*195+3*210) | 1240 | 1013 | 1035 | 24.66 |
| suratgarh TPS (6*250) | | 1500 | 1312 | 1154 | 29.84 | 1243 |
| Chabra TPS (3*250) | | 750 | 630 | 597 | 14.84 | 618 |
| Dholpur GPS (3*110) | | 330 | 113 | 112 | 2.80 | 117 |
| Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50) | | 271 | 123 | 173 | 2.72 | 113 |
| RAPS A (NPC) (1*100+1*200) | | 300 | 0 | 0 | 0.00 | 0 |
| Barsingsar (NLC) (2*125) | | 250 | 177 | 187 | 4.29 | 179 |
| Giral LTPS (2*125) | | 250 | 0 | 0 | 0.00 | 0 |
| Rajwest LTPS (IPP) (8*135) | | 1080 | 853 | 860 | 19.47 | 811 |
| 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 | 1123 | 916 | 24.62 | 1026 |
| Thermal (Total) | | 8026 | 5344 | 5034 | 123 | 5135 |
| Total Hydro | | 550 | 231 | 35 | 4.85 | 202 |
| Wind power | | 2798 | 45 | 525 | 5.44 | 227 |
| Biomass | | 99 | 14 | 14 | 0.33 | 14 |
| Solar | | 730 | 3 | 0 | 0.27 | 11 |
| Renewable/Others (Total) | | 3627 | 62 | 539 | 6.03 | 251 |
| Total Rajasthan | 12203 | 5637 | 5608 | 134.11 | 5588 | |
| UP | Anpara TPS (3*210+2*500) | 1630 | 1490 | 1524 | 32.50 | 1354 |
| | Obra TPS (2*50+2*94+5*200) | 1194 | 378 | 376 | 8.30 | 346 |
| | Paricha TPS (2*110+2*220+2*250) | 1140 | 867 | 896 | 18.60 | 775 |
| | Panki TPS (2*105) | 210 | 45 | 55 | 0.80 | 33 |
| | Harduaganj TPS (1*60+1*105+2*250) | 665 | 256 | 257 | 5.40 | 225 |
| | Tanda TPS (NTPC) (4*110) | 440 | 385 | 382 | 9.57 | 399 |
| | Roza TPS (IPP) (4*300) | 1200 | 1008 | 939 | 21.80 | 908 |
| | Anpara-C (IPP) (2*600) | 1200 | 1052 | 1044 | 27.80 | 1158 |
| | Bajaj Energy Pvt.Ltd(IPP) TPS (10*45) | 450 | 402 | 401 | 8.53 | 355 |
| | Thermal (Total) | 8129 | 5883 | 5874 | 133.29 | 5554 |
| | Vishnuparyag HPS (IPP) | 400 | 73 | 72 | 1.71 | 71 |
| | Other Hydro | 527 | 129 | 88 | 3.80 | 159 |
| | Cogeneration | 981 | 800 | 800 | 19.20 | 800 |
| | Total UP | 10037 | 6885 | 6834 | 158.01 | 6512 |
| Uttarakhand | Total Hydro | 1398 | 608 | 342 | 9.86 | 411 |
| | Total Uttarakhand | 1398 | 608 | 342 | 9.86 | 411 |
| Delhi | Raighat TPS (2*67.5) | 135 | 41 | 41 | 0.95 | 40 |
| | Delhi Gas Turbine (6x30 + 3x34) | 282 | 162 | 160 | 3.84 | 160 |
| | Pragati Gas Turbine (2x104+ 1x122) | 330 | 0 | 0 | 0.00 | 0 |
| | Rithala GPS (3*36) | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS (6*250) | 1370 | 311 | 294 | 7.45 | 310 |
| | Badarpur TPS (NTPC) (3*95+2*210) | 705 | 362 | 334 | 8.43 | 351 |
| | Thermal (Total) | 2917 | 876 | 829 | 20.66 | 861 |
| Total Delhi | 2917 | 876 | 829 | 20.66 | 861 | |
| HP | Baspa HPS (IPP) (2*150) | 300 | 29 | 0 | 1.04 | 44 |
| | Malana HPS (IPP) (2*43) | 86 | 46 | 0 | 0.26 | 11 |
| | Other Hydro | 728 | 165 | 58 | 3.00 | 125 |
| | Total HP | 1114 | 240 | 58 | 4.31 | 179 |
| J & K | Baqilhar HPS (IPP) (3*150) | 450 | 150 | 120 | 3.24 | 135 |
| | Other Hydro/IPP | 436 | 79 | 20 | 1.14 | 47 |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 1094 | 229 | 140 | 4.38 | 182 |
| Total State Control Area Generation | | 39597 | 20228 | 18121 | 457.25 | 18981 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 4689 | 3495 | 120.08 | 5003 |
| Total Regional Availability(Gross) | | 64032 | 42047 | 30889 | 859.72 | 35750 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|-------------|-------------|--------------|-------------|
| Regional Entities Hydro | 11432 | 7367 | 548 | 56.51 | 2355 |
| State Control Area Hydro | 5684 | 1786 | 837 | 35.46 | 1406 |
| Total Regional Hydro | 17116 | 9153 | 1385 | 91.97 | 3761 |

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 | -150 | 200 | -150 | 2.07 | -1.57 | 3.64 |
| Gwalior-Agra (D/C) | 771 | 833 | 1703 | 0 | 28.87 | 0.00 | 28.87 |
| Zerda-Kankroli | -21 | -238 | 66 | 239 | 0.00 | 1.03 | -1.03 |
| Zerda-Bhinmal | 57 | -155 | 160 | 155 | 1.04 | 0.00 | 1.04 |
| Malanpur-Auraiya | -130 | -100 | 0 | 175 | 0.00 | 2.90 | -2.90 |
| Badod-Kota/Morak | 28 | -90 | 58 | 75 | 0.00 | 0.55 | -0.55 |
| Mundra-Mohindergarh(HVDC) | 1876 | 1999 | 2004 | 0 | 47.37 | 0.00 | 47.37 |
| Vindhychal - Rihand | 505 | 343 | 505 | 0 | 11.42 | 0.00 | 11.42 |
| Sub Total WR | 3286 | 2442 | | | 90.77 | 2.91 | 87.86 |
| Pusauli Bypass | 100 | 100 | 100 | 0 | 2.44 | 0.00 | 2.44 |
| MZP- GKP (D/C) | -54 | 43 | 296 | 54 | 2.47 | 0.00 | 2.47 |
| Patna-Balia(D/C) | 821 | 550 | 876 | 0 | 16.95 | 0.00 | 16.95 |
| B'Sharif-Balia (D/C) | 100 | 181 | 113 | 187 | 0.00 | 2.04 | -2.04 |
| Pusauli-Balia | 42 | -110 | 50 | 118 | 0.00 | 0.54 | -0.54 |
| Gaya-Fatehpur (765 Kv) | 280 | 185 | 604 | 0 | 9.39 | 0.00 | 9.39 |
| Pusauli-Sahupuri | 114 | 102 | 164 | 0 | 2.95 | 0.00 | 2.95 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Son Ngr-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sasaram - Fatehpur(765 KV) | 0 | 2 | 125 | 10 | 0.60 | 0.00 | 0.60 |
| Sub Total ER | 1403 | 1053 | | | 34.80 | 2.58 | 32.22 |
| Total IR Exch | 4689 | 3495 | | | 125.56 | 5.49 | 120.08 |

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 |
| 26.77 | 0.00 | 26.77 | 10.96 | -5.45 | 11.73 | 15.62 | 0.22 | -0.22 |

| 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 |
| 49.68 | 65.78 | 115.45 | 32.22 | 87.86 | 120.08 | -17.46 | 22.08 | 4.62 |

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 | 0.89 | 12.06 | 37.21 | 71.08 | 50.68 | 9.64 | 2.50 | 0.00 | 0.00 |

| 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 | | | | |
| 50.19 | 00:28:48 | 49.65 | 09:07:12 | 49.93 | 0.15 | 0.10 | 50.19 | 49.83 |

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 | 413 | 01:59 | 405 | 07:35 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 414 | 00:04 | 398 | 10:19 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bareilly | 400 | 424 | 00:00 | 405 | 10:19 | 0.0 | 0.0 | 24.5 | 0.0 |
| Kanpur | 400 | 424 | 00:00 | 403 | 10:19 | 0.0 | 0.0 | 24.7 | 0.0 |
| Dadri | 400 | 422 | 02:01 | 402 | 15:52 | 0.0 | 0.0 | 9.4 | 0.0 |
| Ballabgarh | 400 | 428 | 01:57 | 407 | 10:17 | 0.0 | 0.0 | 32.0 | 0.0 |
| Bawana | 400 | 426 | 01:59 | 410 | 07:38 | 0.0 | 0.0 | 31.3 | 0.0 |
| Bassi | 400 | 428 | 05:02 | 400 | 07:30 | 0.0 | 0.0 | 28.9 | 0.0 |
| Hissar | 400 | 417 | 02:02 | 400 | 07:35 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 423 | 02:02 | 406 | 10:10 | 0.0 | 0.0 | 10.8 | 0.0 |
| Abdullapur | 400 | 425 | 03:01 | 396 | 18:25 | 0.0 | 0.0 | 25.3 | 0.0 |
| Nalagarh | 400 | 429 | 03:02 | 397 | 15:52 | 0.0 | 0.0 | 35.4 | 0.0 |
| Kishenpur | 400 | 421 | 13:01 | 393 | 07:32 | 0.0 | 0.0 | 0.1 | 0.0 |
| Wagoora | 400 | 412 | 13:01 | 365 | 19:46 | 41.8 | 86.7 | 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 | 783 | 00:00 | 742 | 10:18 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 785 | 02:02 | 757 | 09:14 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 765 | 800 | 03:02 | 768 | 07:34 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 799 | 00:00 | 757 | 07:35 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 805 | 23:58 | 767 | 07:37 | 0.0 | 0.0 | 2.5 | 0.0 |
| Unnao | 765 | 778 | 00:01 | 0 | 14:26 | 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 (m³/s) | Usage (m³/s) |
| Bhakra | 513.59 | 445.62 | 494.81 | 891.94 | 498.63 | 1041.47 | 149.00 | 372.65 |
| Pong | 426.72 | 384.05 | 403.30 | 296.79 | 409.97 | 494.27 | 65.72 | 281.64 |
| Tehri | 829.79 | 740.04 | 804.20 | 688.95 | 806.50 | 733.97 | 36.29 | 220.00 |
| Koteshwar | 612.50 | 598.50 | 608.97 | 4.21 | 610.11 | 4.69 | 220.00 | 216.00 |
| Chamera-I | 760.00 | 748.75 | 759.30 | 29.87 | 757.21 | 23.16 | 42.37 | 45.89 |
| 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 | 503.89 | 1.89 | 510.06 | 2.39 | 30.83 | 109.16 |

* 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 | -411 | 37 | 0 | -380 | 7 | 0 | -8.64 | 0.87 | -7.78 |
| Delhi | -893 | -10 | -21 | -490 | 486 | -5 | -11.15 | 6.93 | -4.22 |
| Haryana | -947 | 152 | 0 | -944 | 94 | 0 | -24.38 | -1.14 | -25.52 |
| HP | 531 | -61 | 0 | 502 | -117 | 0 | 13.45 | -2.76 | 10.68 |
| J&K | 683 | -5 | 0 | 485 | 129 | 0 | 13.17 | 2.08 | 15.25 |
| CHD | -31 | 0 | 0 | 0 | 10 | 0 | -0.25 | 0.70 | 0.46 |
| Rajasthan | 486 | 581 | 2 | 486 | 447 | 2 | 15.62 | 16.54 | 32.17 |
| UP | 73 | 0 | 0 | 98 | 0 | 0 | -1.30 | 0.00 | -1.30 |
| Uttarakhand | 290 | 114 | 0 | 290 | 315 | 15 | 6.59 | 8.26 | 14.86 |
| Total | -218 | 807 | -19 | 48 | 1370 | 12 | 3.10 | 31.49 | 34.60 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | -329 | -411 | 267 | 0 | 0 | 0 |
| Delhi | -31 | -893 | 805 | -10 | -5 | -21 |
| Haryana | -944 | -1131 | 152 | -544 | 0 | 0 |
| HP | 603 | 478 | 0 | -614 | 0 | 0 |
| J&K | 683 | 437 | 227 | -57 | 0 | 0 |
| CHD | 0 | -31 | 78 | 0 | 0 | 0 |
| Rajasthan | 841 | 486 | 1104 | 417 | 2 | 2 |
| UP | 126 | -287 | 0 | 0 | 0 | 0 |
| Uttarakhand | 290 | 260 | 488 | 101 | 48 | 0 |

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 16.01.2015 :****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 :**