

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 31.05.2014
Date of Reporting : 01.06.2014

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 |
| 38417 | 380 | 38797 | 50.00 | 34575 | 0 | 34575 | 50.11 | 885.9 | 14.40 |

* 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:

UI [OD:(+ve), UD: (-ve)]

| 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 | 43.21 | 15.58 | | 58.79 | 87.03 | 88.09 | 1.06 | 146.89 | 0.00 |
| Haryana | 39.30 | 0.20 | | 39.50 | 85.09 | 75.56 | -9.53 | 115.06 | 0.00 |
| Rajasthan | 111.55 | 0.00 | 15.66 | 127.21 | 59.08 | 61.30 | 2.22 | 188.51 | 0.46 |
| Delhi | 19.65 | | | 19.65 | 76.36 | 70.58 | -5.78 | 90.23 | 0.00 |
| UP | 108.11 | 12.15 | 1.20 | 121.46 | 128.63 | 128.13 | -0.50 | 249.60 | 11.50 |
| Uttarakhand | | 15.19 | | 15.19 | 20.77 | 20.32 | -0.45 | 35.51 | 0.72 |
| HP | | 20.19 | | 20.19 | 4.17 | 5.52 | 1.35 | 25.71 | 0.02 |
| J & K | | 13.67 | 0.00 | 13.67 | 17.81 | 15.09 | -2.72 | 28.76 | 1.70 |
| Chandigarh | | | | 0.00 | 5.05 | 5.60 | 0.55 | 5.60 | 0.00 |
| Total | 321.81 | 76.99 | 16.86 | 415.66 | 483.99 | 470.20 | -13.80 | 885.86 | 14.40 |

* Shortage furnished by the respective constituent.\$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

| 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 | 6688 | 0 | -31 | 701 | 6320 | 0 | 33 | 701 | 17.62 |
| Haryana | 5515 | 0 | -813 | 607 | 4319 | 0 | -470 | 457 | 12.03 |
| Rajasthan | 6730 | 0 | 11 | -212 | 7922 | 0 | -21 | 31 | -1.28 |
| Delhi | 4038 | 0 | -323 | 447 | 3535 | 0 | -50 | 386 | 9.54 |
| UP | 11017 | 280 | 510 | 921 | 9111 | 0 | -772 | 2218 | 33.25 |
| Uttarakhand | 1699 | 0 | 153 | 309 | 1404 | 0 | -8 | 274 | 6.99 |
| HP | 989 | 0 | 16 | -1183 | 918 | 0 | 73 | -1214 | -25.00 |
| J&K | 1487 | 100 | 52 | -475 | 848 | 0 | -390 | -572 | -12.08 |
| Chandigarh | 255 | 0 | 29 | 0 | 199 | 0 | 8 | 0 | 0.36 |
| Total | 38417 | 380 | -396 | 1115 | 34575 | 0 | -1596 | 2281 | 41.43 |

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

III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

| 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 | 1725 | 1858 | 1607 | 39.27 | 1636 | 39.06 | 0.22 |
| Rihand I STPS | 1000 | 765 | 752 | 651 | 16.75 | 698 | 16.60 | 0.14 |
| Rihand II STPS | 1000 | 772 | 799 | 614 | 16.84 | 702 | 16.76 | 0.08 |
| Rihand III STPS | 1000 | 898 | 871 | 720 | 19.15 | 798 | 19.33 | -0.18 |
| Dadri I STPS | 840 | 813 | 634 | 603 | 14.13 | 589 | 14.71 | -0.58 |
| Dadri II STPS | 980 | 980 | 839 | 721 | 17.63 | 734 | 18.28 | -0.65 |
| Unchahar I TPS | 420 | 406 | 347 | 352 | 7.74 | 323 | 8.00 | -0.26 |
| Unchahar II TPS | 420 | 404 | 315 | 323 | 7.29 | 304 | 7.41 | -0.12 |
| Unchahar III TPS | 210 | 202 | 153 | 152 | 3.57 | 149 | 3.62 | -0.06 |
| ISTPP (Jhajjar) | 1500 | 1000 | 638 | 329 | 13.66 | 569 | 14.04 | -0.38 |
| Dadri GPS | 830 | 798 | 360 | 366 | 8.19 | 341 | 8.50 | -0.31 |
| Anta GPS | 419 | 391 | 244 | 234 | 5.62 | 234 | 5.71 | -0.09 |
| Auraiya GPS | 663 | 421 | 138 | 152 | 3.33 | 139 | 3.33 | 0.00 |
| Dadri Solar | 5 | 1 | 0 | 0 | 0.03 | 1 | 0.03 | 0.00 |
| Unchahar Solar | 10 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| Sub Total (A) | 11297 | 9575 | 7948 | 6824 | 173 | 7216 | 175 | -2 |
| B. NPC | | | | | | | | |
| NAPS | 440 | 141 | 159 | 165 | 3.39 | 141 | 3.38 | 0.00 |
| RAPS- B | 440 | 401 | 424 | 443 | 9.40 | 392 | 9.62 | -0.23 |
| RAPS- C | 440 | 210 | 225 | 230 | 4.87 | 203 | 5.04 | -0.17 |
| Sub Total (B) | 1320 | 752 | 808 | 838 | 17.66 | 736 | 18.05 | -0.39 |
| C. NHPC | | | | | | | | |
| Chamera I HPS | 540 | 482 | 540 | 540 | 11.27 | 470 | 11.30 | -0.03 |
| Chamera II HPS | 300 | 300 | 306 | 305 | 7.23 | 301 | 7.20 | 0.03 |
| Chamera III HPS | 231 | 229 | 238 | 228 | 5.52 | 230 | 5.50 | 0.02 |
| Bairasui HPS | 180 | 180 | 180 | 180 | 4.36 | 182 | 4.32 | 0.04 |
| Salal-HPS | 690 | 650 | 610 | 605 | 15.69 | 654 | 15.59 | 0.09 |
| Tanakpur-HPS | 94 | 51 | 62 | 48 | 1.25 | 52 | 1.23 | 0.01 |
| Uri-HPS | 480 | 475 | 477 | 474 | 11.03 | 460 | 11.40 | -0.37 |
| Uri-II HPS | 240 | 240 | 244 | 248 | 5.88 | 245 | 5.76 | 0.12 |
| Dhauliganga-HPS | 280 | 131 | 136 | 137 | 3.03 | 126 | 3.10 | -0.07 |
| Dulhasti-HPS | 390 | 387 | 405 | 388 | 9.38 | 391 | 9.30 | 0.08 |
| Sewa-II HPS | 120 | 122 | 131 | 130 | 3.08 | 128 | 2.93 | 0.15 |
| Parbati 3 | 390 | 260 | 0 | 0 | 2.16 | 90 | 2.39 | -0.23 |
| Sub Total © | 3935 | 3507 | 3329 | 3283 | 80 | 3328 | 80 | 0 |
| D. SJVNL | | | | | | | | |
| NJPC | 1500 | 1605 | 1461 | 1443 | 31.99 | 1333 | 31.90 | 0.09 |
| Rampur HEP | 206 | 204 | 215 | 211 | 5.02 | 209 | 4.93 | 0.09 |
| Sub Total (D) | 1706 | 1809 | 1676 | 1654 | 37.01 | 1542 | 36.82 | 0.19 |
| E. THDC | | | | | | | | |
| Tehri HPS | 1000 | 384 | 383 | 0 | 6.01 | 250 | 6.00 | 0.00 |
| Koteshwar HPS | 400 | 129 | 395 | 90 | 3.13 | 130 | 3.10 | 0.03 |
| Sub Total (E) | 1400 | 513 | 778 | 90 | 9.13 | 381 | 9.10 | 0.03 |
| F. BBMB | | | | | | | | |
| Bhakra HPS | 1514 | 701 | 1316 | 490 | 17.33 | 722 | 16.82 | 0.51 |
| Dehar HPS | 990 | 560 | 660 | 660 | 14.95 | 623 | 13.44 | 1.51 |
| Pong HPS | 396 | 148 | 368 | 62 | 3.63 | 151 | 3.56 | 0.07 |
| Sub Total (F) | 2900 | 1409 | 2344 | 1212 | 35.91 | 1496 | 33.82 | 2.09 |
| G. IPP(s)/JV(s) | | | | | | | | |
| ADHPL HPS(IPP) | 192 | 0 | 172 | 151 | 3.11 | 130 | 4.13 | -1.02 |
| KWHEP HPS(IPP) | 1000 | 0 | 713 | 837 | 18.02 | 751 | 20.40 | -2.38 |
| Malana Stg-II HPS | 100 | 0 | 112 | 60 | 1.27 | 53 | 1.18 | 0.09 |
| Shree Cement TPS | 300 | 0 | 140 | 144 | 3.48 | 145 | 3.63 | -0.14 |
| Budhil HPS(IPP) | 70 | 0 | 14 | 14 | 1.64 | 69 | 1.67 | -0.03 |
| Sub Total (G) | 1662 | 0 | 1151 | 1206 | 27.53 | 1147 | 31.02 | -3.48 |
| H. Total Regional Entities (A-G) | 24221 | 17565 | 18034 | 15107 | 380.29 | 15845 | 384.20 | -3.91 |

| 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 | 1142 | 900 | 22 | 903 |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 100 | 100 | 2 | 90 |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 464 | 702 | 10 | 404 |
| | Goindwal(GVK) | | 0 | 0 | 0 | 0 |
| | Rajpura | 700 | 320 | 331 | 10 | 404 |
| | Talwandi Saboo | 660 | 0 | 0 | 0.00 | 0 |
| | Thermal (Total) | 3980 | 2026 | 2033 | 43 | 1800 |
| | Total Hydro | 1148 | 809 | 718 | 15.58 | 649 |
| Total Punjab | 5128 | 2835 | 2751 | 58.79 | 2450 | |
| Haryana | Panipat TPS | 1367 | 215 | 197 | 5.04 | 210 |
| | DCRTPP (Yamuna nagar) | 600 | 279 | 259 | 6.24 | 260 |
| | Faridabad GPS (NTPC) | 432 | 373 | 392 | 8.46 | 353 |
| | RGTPP (khedar) (IPP) | 1200 | 533 | 416 | 10.32 | 430 |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 |
| | Jhajjar(CLP) | 1320 | 480 | 379 | 9.24 | 385 |
| | Thermal (Total) | 4944 | 1880 | 1643 | 39 | 1637 |
| | Total Hydro | 62 | 12 | 0 | 0.20 | 8 |
| | Total Haryana | 5006 | 1892 | 1643 | 39.50 | 1646 |
| | Rajasthan | kota TPS | 1240 | 1095 | 1068 | 25.47 |
| suratgarh TPS | | 1500 | 826 | 825 | 20.36 | 1061 |
| Chabra TPS | | 750 | 544 | 562 | 13.39 | 848 |
| Dholpur GPS | | 330 | 128 | 131 | 3.18 | 558 |
| Ramgarh GPS | | 221 | 4 | 19 | 1.38 | 132 |
| RAPS A (NPC) | | 300 | 201 | 201 | 4.09 | 58 |
| Barsingsar (NLC) | | 250 | 190 | 190 | 4.12 | 170 |
| Giral LTPS | | 250 | 70 | 70 | 1.75 | 172 |
| Rajwest LTPS (IPP) | | 1080 | 645 | 812 | 18.54 | 73 |
| VSLP LTPS (IPP) | | 135 | 0 | 0 | 0.00 | 772 |
| Kalisindh Thermal | | 600 | 0 | 0 | 0.00 | 0 |
| Kawai(Adani) | | 1320 | 776 | 787 | 19.27 | 0 |
| Thermal (Total) | | 7976 | 4479 | 4665 | 112 | 4648 |
| Total Hydro | | 550 | 0 | 0 | 0.00 | 0 |
| Wind power | | 2191 | 259 | 792 | 14.94 | 0 |
| Biomass | | 91 | 22 | 22 | 0.52 | 622 |
| Solar | | 201 | 0 | 0 | 0.20 | 22 |
| Renewable/Others (Total) | | 2483 | 281 | 814 | 16 | 652 |
| Total Rajasthan | 11009 | 4760 | 5479 | 127.21 | 5300 | |
| UP | Anpara TPS | 1630 | 1378 | 1094 | 27.90 | 1163 |
| | Obra TPS | 1288 | 246 | 335 | 7.10 | 296 |
| | Paricha TPS | 1140 | 741 | 737 | 16.90 | 704 |
| | Panki TPS | 210 | 75 | 80 | 1.60 | 67 |
| | Harduaganj TPS | 665 | 220 | 368 | 6.90 | 288 |
| | Tanda TPS (NTPC) | 440 | 273 | 293 | 7.14 | 297 |
| | Roza TPS (IPP) | 1200 | 1116 | 756 | 22.74 | 948 |
| | Anpara-C (IPP) | 1200 | 540 | 347 | 11.22 | 468 |
| | Bajaj Energy Pvt.Ltd(IPP) TPS | 450 | 280 | 279 | 6.61 | 275 |
| | Thermal (Total) | 8223 | 4869 | 4289 | 108 | 4505 |
| | Vishnuparyag HPS (IPP) | 400 | 436 | 396 | 9.44 | 393 |
| | Other Hydro | 527 | 127 | 87 | 2.72 | 113 |
| | Cogeneration | 981 | 50 | 50 | 1.20 | 50 |
| | Total UP | 10131 | 5482 | 4822 | 121.46 | 4668 |
| Uttarakhand | Total Hydro | 1303 | 618 | 618 | 15.19 | 633 |
| | Total Uttarakhand | 1303 | 618 | 618 | 15.19 | 633 |
| Delhi | Rajghat TPS | 135 | 92 | 88 | 2.11 | 88 |
| | Delhi Gas Turbine | 282 | 135 | 149 | 3.36 | 140 |
| | Pragati Gas Turbine | 330 | 134 | 141 | 3.39 | 141 |
| | Rithala GPS | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS | 1370 | 0 | 0 | 0.00 | 0 |
| | Badarpur TPS (NTPC) | 705 | 595 | 415 | 10.79 | 449 |
| | Thermal (Total) | 2917 | 956 | 793 | 19.65 | 819 |
| | Total Delhi | 2917 | 956 | 793 | 19.65 | 819 |
| HP | Baspa HPS (IPP) | 300 | 250 | 120 | 5.04 | 210 |
| | Malana HPS (IPP) | 86 | 66 | 68 | 1.15 | 48 |
| | Other Hydro | 728 | 555 | 582 | 14.00 | 583 |
| | Total HP | 1114 | 871 | 770 | 20.19 | 841 |
| J & K | Baglihar HPS (IPP) | 450 | 438 | 440 | 10.53 | 439 |
| | Other Hydro/IPP | 436 | 130 | 132 | 3.14 | 131 |
| | Gas/Diesel/Others | 209 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 1094 | 568 | 572 | 13.67 | 569 |
| Total State Control Area Generation | | 37702 | 17982 | 17448 | 415.66 | 16926 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 4565 | 4831 | 111.29 | 4637 |
| Total Regional Availability(Gross) | | 61923 | 40581 | 37386 | 907.24 | 37409 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|--------------|---------------|--------------|
| Regional Entities Hydro | 11233 | 9124 | 7287 | 184.32 | 7680 |
| State Control Area Hydro | 5589 | 3005 | 2765 | 76.99 | 2815 |
| Total Regional Hydro | 16823 | 12129 | 10052 | 261.31 | 10495 |

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 | 100 | -100 | 500 | 100 | 2.29 | 1.35 | 0.95 |
| Gwalior-Agra (D/C) | 1743 | 1891 | 1956 | 0 | 38.94 | 0.00 | 38.94 |
| Zerda-Kankroli | -96 | -82 | 0 | 165 | 0.00 | 2.82 | -2.82 |
| Zerda-Bhinmal | -54 | -38 | 57 | 157 | 0.00 | 1.58 | -1.58 |
| Malanpur-Auraiya | -50 | 11 | 63 | 0 | 0.00 | 0.40 | -0.40 |
| Badod-Kota/Morak | -92 | -76 | 0 | 106 | 0.00 | 2.03 | -2.03 |
| Mundra-Mohindergarh(HVDC) | 2003 | 1299 | 2009 | 0 | 39.55 | 0.00 | 39.55 |
| Sub Total WR | 3554 | 2905 | | | 80.79 | 8.17 | 72.62 |
| Pusaali Bypass | 400 | 400 | 400 | 0 | 9.72 | 0.00 | 9.72 |
| MZP- GKP (D/C) | 324 | 820 | 726 | 0 | 11.95 | 0.00 | 11.95 |
| Patna-Balia(D/C) | 199 | 305 | 463 | 0 | 7.58 | 0.00 | 7.58 |
| B'Sharif-Balia (D/C) | 165 | 273 | 400 | 0 | 6.22 | 0.00 | 6.22 |
| Pusaali-Balia | -66 | -53 | 0 | 78 | 0.00 | 1.16 | -1.16 |
| Gaya-Fatehpur (765 Kv) | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Pusaali-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| 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) | -11 | 181 | 327 | 88 | 4.36 | 0.00 | 4.36 |
| Sub Total ER | 1011 | 1926 | | | 39.83 | 1.16 | 38.67 |
| Total IR Exch | 4565 | 4831 | | | 120.62 | 9.33 | 111.29 |

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 |
| 30.90 | 3.64 | 34.53 | 11.19 | 0.08 | -0.38 | 7.21 | 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 |
| 45.35 | 73.30 | 118.65 | 38.67 | 72.62 | 111.29 | -6.67 | -0.69 | -7.36 |

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 | 0.42 | 2.63 | 16.83 | 49.89 | 48.92 | 31.77 | 14.53 | 3.82 | 0.00 |

| <----- Frequency (Hz) -----> | | | | Average Frequency | Frequency Variation Index | Std. Dev. | Frequency in 15 Min Block | |
|------------------------------|------|---------|-------|-------------------|---------------------------|-----------|---------------------------|-------|
| Maximum | | Minimum | | | | | MAX (Hz) | MIN |
| Freq | Time | Freq | Time | Hz | | | | |
| 50.36 | 8.06 | 49.65 | 15.48 | 50.00 | 0.12 | 0.11 | 50.37 | 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 | 411 | 03:42 | 400 | 22:04 | 11.8 | 11.8 | 0.0 | 0.0 |
| Gorakhpur | 400 | 443 | 06:07 | 409 | 22:10 | 0.0 | 0.0 | 47.3 | 28.3 |
| Bareilly | 400 | 421 | 06:13 | 392 | 22:15 | 0.0 | 0.0 | 0.1 | 0.0 |
| Kanpur | 400 | 420 | 06:05 | 399 | 14:42 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 414 | 06:06 | 394 | 22:11 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 420 | 06:05 | 399 | 15:48 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bawana | 400 | 411 | 06:05 | 392 | 15:46 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 426 | 18:16 | 399 | 09:55 | 0.0 | 0.0 | 6.9 | 0.0 |
| Hissar | 400 | 407 | 17:07 | 389 | 11:01 | 0.0 | 0.1 | 0.0 | 0.0 |
| Moga | 400 | 409 | 17:09 | 395 | 11:01 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 411 | 17:08 | 396 | 18:48 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 409 | 06:06 | 397 | 19:48 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kishenpur | 400 | 411 | 04:04 | 400 | 19:47 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 409 | 05:39 | 390 | 19:40 | 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 | 06:09 | 728 | 22:11 | 0.0 | 31.1 | 0.0 | 0.0 |
| Balia | 765 | 791 | 06:07 | 729 | 22:09 | 0.0 | 16.5 | 0.0 | 0.0 |
| Moga | 765 | 789 | 18:10 | 759 | 00:04 | 0.0 | 0.0 | 0.0 | 0.0 |
| Agra | 765 | 784 | 06:09 | 748 | 11:29 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 779 | 18:10 | 752 | 00:05 | 0.0 | 0.0 | 0.0 | 0.0 |
| Unnao | 765 | 772 | 06:07 | 726 | 22:16 | 0.3 | 32.1 | 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 | 479.67 | 454.47 | 478.86 | 434.29 | 484.53 | 572.68 |
| Pong | 426.72 | 384.05 | 402.75 | 281.22 | 399.60 | 209.93 | 60.43 | 207.90 |
| Tehri | 829.79 | 740.04 | 743.05 | 14.17 | NA | NA | 120.72 | 182.00 |
| Koteshwar | 612.50 | 598.50 | 609.79 | 4.44 | 599.65 | 0.30 | 182.00 | 167.00 |
| Chamera-I | 760.00 | 748.75 | NA | NA | NA | NA | 285.12 | 230.88 |
| 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. System Constraints:

XI. Grid Disturbance / Any Other Significant Event:

XII. Weather Conditions For 31.05.2014 :

1. Normal weather

XIII. Synchronisation of new generating units :

0.00

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

1: 765kV Anpara Lanco ©- Anpara (D) line first time charged at 18.06 hrs of dt. 31.05.2014

XV. Tripping of lines in pooling stations :

XVI. Complete generation loss in a generating station :

Report for : 31.05.2014

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER