

| 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 | 0 | 0 | -0.12 | -5 |
| | Guru Nanak Dev TPS(Bhatinda) (2*110+2*120) | 460 | 0 | 0 | -0.02 | -1 |
| | Guru Hargobind Singh TPS(L.mbt) (2*210+2*250) | 920 | 0 | 0 | -0.08 | -3 |
| | Goindwal(GVK) (2*270) | 540 | 0 | 0 | -0.03 | -1 |
| | Rajpura (2*700) | 1400 | 720 | 660 | 23.09 | 962 |
| | Talwandi Saboo (3*660) | 1980 | 616 | 616 | 15.61 | 650 |
| | Thermal (Total) | 6560 | 1336 | 1276 | 38.46 | 1603 |
| | Total Hydro | 1000 | 345 | 347 | 8.59 | 358 |
| | Wind Power | 0 | 0 | 0 | 0.00 | 0 |
| | Biomass | 288 | 11 | 11 | 0.28 | 11 |
| | Solar | 560 | 2 | 2 | 0.04 | 2 |
| | Renewable(Total) | 848 | 13 | 13 | 0.32 | 13 |
| | Total Punjab | 8408 | 1694 | 1636 | 47.37 | 1974 |
| | Haryana | Panipat TPS (2*210+2*250) | 920 | 0 | 0 | 0.00 |
| DCRTPP (Yamuna nagar) (2*300) | | 600 | 466 | 455 | 11.05 | 460 |
| Faridabad GPS (NTPC)(2*137.75+1*156) | | 432 | 0 | 0 | 0.00 | 0 |
| RGTPP (khedar) (IPP) (2*600) | | 1200 | 0 | 0 | 0.00 | 0 |
| Magnum Diesel (IPP) | | 25 | 0 | 0 | 0.00 | 0 |
| Jhajjar(CLP) (2*660) | | 1320 | 735 | 738 | 17.77 | 740 |
| Thermal (Total) | | 4497 | 1201 | 1193 | 28.81 | 1201 |
| Total Hydro | | 62 | 2 | 17 | 0.47 | 20 |
| Wind Power | | 0 | 0 | 0 | 0.00 | 0 |
| Biomass | | 40 | 0 | 0 | 0.00 | 0 |
| Solar | | 0 | 0 | 0 | 0.00 | 0 |
| Renewable(Total) | | 40 | 0 | 0 | 0.00 | 0 |
| Total Haryana | | 4599 | 1203 | 1210 | 29.28 | 1220 |
| Rajasthan | | kota TPS (2*110+2*195+3*210) | 1240 | 1135 | 1136 | 25.94 |
| | suratgarh TPS (6*250) | 1500 | 604 | 638 | 15.23 | 635 |
| | Chabra TPS (4*250) | 1000 | 849 | 840 | 20.31 | 846 |
| | Dholpur GPS (3*110) | 330 | 0 | 0 | 0.00 | 0 |
| | Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50) | 271 | 158 | 159 | 3.78 | 157 |
| | RAPS A (NPC) (1*100+1*200) | 300 | 169 | 168 | 4.19 | 175 |
| | Barsingar (NLC) (2*125) | 250 | 113 | 114 | 2.67 | 111 |
| | Giral LTPS (2*125) | 250 | 0 | 0 | 0.00 | 0 |
| | Rajwest LTPS (IPP) (8*135) | 1080 | 815 | 818 | 18.58 | 774 |
| | VS LIGNITE LTPS (IPP) (1*135) | 135 | 0 | 0 | 0.00 | 0 |
| | Kalisindh Thermal(2*600) | 1200 | 520 | 470 | 11.10 | 462 |
| | Kawai(Adani) (2*660) | 1320 | 520 | 401 | 9.60 | 400 |
| | Thermal (Total) | 8876 | 4883 | 4744 | 111.39 | 4641 |
| | Total Hydro | 550 | 209 | 212 | 5.03 | 210 |
| | Wind power | 4017 | 378 | 199 | 7.15 | 298 |
| | Biomass | 99 | 20 | 20 | 0.49 | 20 |
| | Solar | 1295 | 7 | 0 | 2.41 | 100 |
| | Renewable/Others (Total) | 5411 | 405 | 219 | 10.04 | 419 |
| Total Rajasthan | 14837 | 5497 | 5175 | 126.47 | 5269 | |
| UP | Anpara TPS (3*210+2*500) | 1630 | 739 | 744 | 17.50 | 729 |
| | Obra TPS (2*50+2*94+5*200) | 1194 | 293 | 292 | 6.80 | 283 |
| | Paricha TPS (2*110+2*220+2*250) | 1160 | 583 | 577 | 15.00 | 625 |
| | Panki TPS (2*105) | 210 | 68 | 135 | 1.90 | 79 |
| | Harduaganj TPS (1*60+1*105+2*250) | 665 | 435 | 318 | 8.90 | 371 |
| | Tanda TPS (NTPC) (4*110) | 440 | 279 | 290 | 6.42 | 268 |
| | Roza TPS (IPP) (4*300) | 1200 | 1095 | 1107 | 24.40 | 1017 |
| | Anpara-C (IPP) (2*600) | 1200 | 1071 | 990 | 23.00 | 958 |
| | Bajaj Energy Pvt.Ltd(IPP) TPS (10*45) | 450 | 266 | 283 | 7.20 | 300 |
| | Anpara-D(2*500) | 1000 | 446 | 446 | 10.60 | 442 |
| | Lalitpur TPS(3*660) | 1980 | 545 | 0 | 8.20 | 342 |
| | Bara(2*660) | 1320 | 578 | 579 | 13.70 | 571 |
| | Thermal (Total) | 12449 | 6398 | 5761 | 143.62 | 5984 |
| | Vishnuparyag HPS (IPP)(4*110) | 440 | 117 | 112 | 2.70 | 113 |
| | Alaknada(4*82.5) | 330 | 164 | 75 | 1.70 | 71 |
| | Other Hydro | 527 | 147 | 112 | 3.14 | 131 |
| | Cogeneration | 981 | 200 | 200 | 4.80 | 200 |
| | Wind Power | 0 | 0 | 0 | 0.00 | 0 |
| | Biomass | 26 | 0 | 0 | 0.00 | 0 |
| | Solar | 102 | 0 | 0 | 0.00 | 0 |
| | Renewable(Total) | 128 | 0 | 0 | 0.00 | 0 |
| Total UP | 14855 | 7026 | 6260 | 155.96 | 6499 | |
| Uttarakhand | Other Hydro | 1250 | 516 | 196 | 7.19 | 300 |
| | Total Gas | 225 | 182 | 92 | 3.56 | 148 |
| | Wind Power | 0 | 0 | 0 | 0.00 | 0 |
| | Biomass | 127 | 0 | 0 | 0.00 | 0 |
| | Solar | 20 | 0 | 2 | 0.05 | 2 |
| | Small Hydro (< 25 MW) | 180 | 0 | 0 | 0.00 | 0 |
| | Renewable(Total) | 327 | 0 | 2 | 0.05 | 2 |
| Total Uttarakhand | 1802 | 698 | 290 | 10.81 | 450 | |
| Delhi | Rajghat TPS (2*67.5) | 135 | 0 | 0 | -0.01 | 0 |
| | Delhi Gas Turbine (6x30 + 3x34) | 282 | 76 | 76 | 1.93 | 80 |
| | Pragati Gas Turbine (2x104+ 1x122) | 330 | 261 | 264 | 6.39 | 266 |
| | Rithala GPS (3*36) | 95 | 0 | 0 | 0.00 | 0 |
| | Bawana GPS (4*216+2*253) | 1370 | 246 | 280 | 5.94 | 248 |
| | Badarpur TPS (NTPC) (3*95+2*210) | 705 | 0 | 0 | -0.11 | -4 |
| | Thermal (Total) | 2917 | 583 | 620 | 14.14 | 589 |
| | Wind Power | 0 | 0 | 0 | 0.00 | 0 |
| | Biomass | 16 | 0 | 0 | 0.00 | 0 |
| | Solar | 2 | 0 | 0 | 0.00 | 0 |
| Renewable(Total) | 18 | 0 | 0 | 0.00 | 0 | |
| Total Delhi | 2935 | 583 | 620 | 14.14 | 589 | |

| | | | | | | |
|---|-------------------------|----------------------------------|--------------|---------------|---------------|--------------|
| HP | Baspa HPS (IPP) (3*100) | 300 | 0 | 0 | 1.33 | 55 |
| | Malana HPS (IPP) (2*43) | 86 | 45 | 0 | 0.36 | 15 |
| | Other Hydro | 372 | 105 | 52 | 2.37 | 99 |
| | Wind Power | 0 | 0 | 0 | 0.00 | 0 |
| | Biomass | 0 | 0 | 0 | 0.00 | 0 |
| | Solar | 0 | 0 | 0 | 0.00 | 0 |
| | Small Hydro (< 25 MW) | 486 | 88 | 78 | 1.95 | 81 |
| | Renewable(Total) | 486 | 88 | 78 | 1.95 | 81 |
| | Total HP | 1244 | 238 | 130 | 6.00 | 250 |
| | J & K | Baglihar HPS (IPP) (3*150+3*150) | 900 | 174 | 101 | 2.78 |
| Other Hydro/IPP(including 98 MW Small Hydro) | | 308 | 138 | 93 | 2.77 | 115 |
| Gas/Diesel/Others | | 190 | 0 | 0 | 0.00 | 0 |
| Wind Power | | 0 | 0 | 0 | 0.00 | 0 |
| Biomass | | 0 | 0 | 0 | 0.00 | 0 |
| Solar | | 0 | 0 | 0 | 0.00 | 0 |
| Small Hydro (< 25 MW)Included in Other Hydro Above | | 98 | 0 | 0 | 0.00 | 0 |
| Renewable(Total) | | 98 | 0 | 0 | 0.00 | 0 |
| Total J & K | | 1398 | 312 | 194 | 6 | 231 |
| Total State Control Area Generation | | 50078 | 17251 | 15515 | 395.58 | 16482 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | 6532 | 6483 | 176.99 | 7374 | |
| Total Regional Availability(Gross) | 75315 | 40408 | 30327 | 820.14 | 34173 | |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|--------------|-------------|---------------|-------------|
| Regional Entities Hydro | 12234 | 8796 | 961 | 67.04 | 2793 |
| State Control Area Hydro | 7163 | 2232 | 1489 | 40.37 | 1833 |
| Total Regional Hydro | 19397 | 11028 | 2450 | 107.40 | 4626 |

V. Total Renewable Generation:

| | | | | | |
|---------------------------------|-------------|------------|------------|--------------|------------|
| Regional Entities Renewable | 30 | 0 | 0 | 0.06 | 3 |
| State Control Area Renewable | 7356 | 506 | 312 | 12.36 | 515 |
| Total Regional Renewable | 7386 | 506 | 312 | 12.42 | 518 |

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

| Element | Peak(19:00 Hrs) MW | Off Peak(03:00 Hrs) MW | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|-------------------------------------|-----------------------|---------------------------|--------------------------|--------|---------------|--------------|------------------|
| | | | Import | Export | Import | Export | |
| Vindhyhall(HVDC B/B) | -500 | -500 | 0 | 500 | 0.00 | 12.11 | -12.11 |
| 765 KV Gwalior-Agra (D/C) | 1979 | 1623 | 2456 | 0 | 49.56 | 0.00 | 49.56 |
| 400 KV Zerda-Kankroli | -57 | -168 | 32 | 168 | 0.00 | 1.44 | -1.44 |
| 400 KV Zerda-Bhinmal | -35 | -78 | 162 | 89 | 0.46 | 0.00 | 0.46 |
| 220 KV Auraiya-Malanpur | -80 | -113 | 0 | 139 | 0.00 | 2.14 | -2.14 |
| 220 KV Badod-Kota/Morak | -54 | -118 | 0 | 140 | 0.00 | 1.62 | -1.62 |
| Mundra-Mohindergarh(HVDC Bipole) | 1302 | 1400 | 1404 | 0.00 | 31.68 | 0.00 | 31.68 |
| 400 KV RAPP- Sujalpur | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| 400 KV Vindhyachal-Rihand | 280 | 355 | 360 | 0 | 8.38 | 0.00 | 8.38 |
| 765 kV Phagi-Gwalior (D/C) | 1255 | 1239 | 1803 | 0 | 37.39 | 0.00 | 37.39 |
| Sub Total WR | 4090 | 3640 | | | 127.47 | 17.31 | 110.16 |
| 400 kV Sasaram - Varanasi | 154 | 141 | 163 | 0 | 5.27 | 0.00 | 5.27 |
| 400 kV Sasaram - Allahabad | 4 | -2 | 16 | 24 | 0.00 | 0.01 | -0.01 |
| 400 KV MZP- GKP (D/C) | -123 | 147 | 275 | 123 | 2.44 | 0.00 | 2.44 |
| 400 KV Patna-Balia(D/C) X 2 | 500 | 470 | 756 | 0 | 14.03 | 0.00 | 14.03 |
| 400 KV B'Sharif-Balia (D/C) | 52 | 37 | 148 | 0 | 1.24 | 0.00 | 1.24 |
| 765 KV Gaya-Balia | 215 | 214 | 312 | 0 | 6.28 | 0.00 | 6.28 |
| 765 KV Gaya-Varanasi (D/C) | 277 | 442 | 665 | 0 | 11.80 | 0.00 | 11.80 |
| 220 KV Pusauli-Sahupuri | 133 | 181 | 202 | 0 | 4.19 | 0.00 | 4.19 |
| 132 KV K'nasa-Sahupuri | -22 | -20 | 0 | 24 | 0.00 | 0.43 | -0.43 |
| 132 KV Son Ngr-Rihand | -42 | -42 | 0 | 46 | 0.00 | 0.91 | -0.91 |
| 132 KV Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| 765 KV Sasaram - Fatehpur | 229 | 137 | 49 | 288 | 0.00 | 2.52 | -2.52 |
| 400 KV Barh -GKP (D/C) | 492 | 504 | 570 | 0 | 11.03 | 0.00 | 11.03 |
| 400 kV B'Sharif - Varanasi (D/C) | -127 | 34 | 51 | 155 | 0.00 | 0.92 | -0.92 |
| Sub Total ER | 1742 | 2243 | | | 56.27 | 4.79 | 51.48 |
| +/- 800 KV Biswanath Charialli-Agra | 700 | 600 | 700 | 0.00 | 15.34 | 0.00 | 15.34 |
| Sub Total NER | 700 | 600 | | | 15.34 | 0.00 | 15.34 |
| Total IR Exch | 6532 | 6483 | | | 199.09 | 22.10 | 176.99 |

VI(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 |
| 46.04 | 1.35 | 47.39 | 1.51 | -8.05 | 8.52 | 14.98 | 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(including NER) | Through WR | Total | Through ER (including NER) | Through WR | Total |
| 57.42 | 113.96 | 171.38 | 66.83 | 110.16 | 176.99 | 9.40 | -3.80 | 5.60 |

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

| Element | Peak(19:00 Hrs) MW | Off Peak(03:00 Hrs) MW | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|---------------------------------|-----------------------|---------------------------|--------------------------|--------|-------------|--------|------------------|
| | | | Import | Export | Import | Export | |
| 132 KV Tanakpur - Mahendarnagar | 0 | 0 | 0 | 24 | 0 | 0 | -0.12 |

VII. 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 | 0.00 | 0.00 | 1.85 | 40.08 | 69.09 | 20.34 | 8.31 | 0.56 | 0.00 |

| <----- Frequency (Hz) -----> | | | | Average Frequency Hz | Frequency Variation Index | Std. Dev. | Frequency in 15 Min Block | | Freq Dev Index (% of Time) |
|------------------------------|-------|---------|------|----------------------------|---------------------------------|-----------|---------------------------|-------------|----------------------------------|
| Maximum | | Minimum | | | | | MAX (Hz) | MIN (Hz) | |
| Freq | Time | Freq | Time | | | | | | |
| 50.25 | 21.56 | 49.82 | 6.23 | 50.02 | 0.042 | 0.062 | 50.18 | 0.00 | 30.91 |

VIII(A). Voltage profile 400 kV

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | | Voltage Deviat |
|-------------------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|----------------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <380 kV | <390 kV | >420 kV | >430 kV | |
| Rihand | 400 | 410 | 12:52 | 402 | 5:30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 422 | 13:02 | 403 | 17:56 | 0.0 | 0.0 | 4.3 | 0.0 | 4.3 |
| Bareilly(PG)400kV | 400 | 421 | 0:04 | 395 | 10:49 | 0.0 | 0.0 | 1.7 | 0.0 | 1.7 |
| Kanpur | 400 | 419 | 0:45 | 398 | 10:49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 425 | 1:58 | 125 | 10:52 | 2.6 | 2.6 | 25.4 | 0.0 | 28.0 |
| Ballabgarh | 400 | 432 | 0:49 | 404 | 11:21 | 0.0 | 0.0 | 46.6 | 12.7 | 46.6 |
| Bawana | 400 | 429 | 1:58 | 409 | 11:21 | 0.0 | 0.0 | 42.3 | 0.0 | 42.3 |
| Bassi | 400 | 425 | 19:42 | 378 | 10:50 | 0.0 | 0.1 | 5.8 | 0.0 | 5.8 |
| Hissar | 400 | 423 | 1:58 | 403 | 6:25 | 0.0 | 0.0 | 13.4 | 0.0 | 13.4 |
| Moga | 400 | 426 | 0:04 | 407 | 11:20 | 0.0 | 0.0 | 28.1 | 0.0 | 28.1 |
| Abdullapur | 400 | 427 | 21:58 | 408 | 5:47 | 0.0 | 0.0 | 36.3 | 0.0 | 36.3 |
| Nalagarh | 400 | 436 | 2:02 | 412 | 6:55 | 0.0 | 0.0 | 53.5 | 25.7 | 53.5 |
| Kishenpur | 400 | 423 | 0:05 | 398 | 6:50 | 0.0 | 0.0 | 12.8 | 0.0 | 12.8 |
| Wagoora | 400 | 408 | 13:04 | 370 | 18:10 | 15.9 | 64.8 | 0.0 | 0.0 | 15.9 |
| Amritsar | 400 | 434 | 1:57 | 411 | 11:21 | 0.0 | 0.0 | 48.1 | 18.2 | 48.1 |
| Kashipur | 400 | 0 | 0:00 | 0 | 0:00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Hamirpur | 400 | 428 | 23:21 | 407 | 11:20 | 0.0 | 0.0 | 24.0 | 0.0 | 24.0 |
| Rishikesh | 400 | 418 | 0:03 | 396 | 6:30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

VIII(B). Voltage profile 765 kV

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | | Voltage Deviat |
|-----------------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|----------------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <728 kV | <742 kV | >800 kV | >820 kV | |
| Fatehpur | 765 | 778 | 0:50 | 736 | 10:49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 792 | 0:40 | 766 | 6:29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 765 | 808 | 0:03 | 773 | 11:41 | 0.0 | 0.0 | 18.2 | 0.0 | 18.2 |
| Agra | 765 | 793 | 19:42 | 753 | 6:28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 809 | 1:59 | 773 | 11:21 | 0.0 | 0.0 | 28.5 | 0.0 | 28.5 |
| Unnao | 765 | 773 | 0:48 | 743 | 10:54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Lucknow | 765 | 803 | 0:50 | 772 | 10:54 | 0.0 | 0.0 | 2.2 | 0.0 | 2.2 |
| Meerut | 765 | 810 | 20:02 | 758 | 6:38 | 0.0 | 0.0 | 5.5 | 0.0 | 5.5 |
| Jhatikara | 765 | 808 | 1:58 | 770 | 11:10 | 0.0 | 0.0 | 21.0 | 0.0 | 21.0 |
| Bareilly 765 kV | 765 | 796 | 0:50 | 759 | 10:56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Anta | 765 | 803 | 1:58 | 769 | 9:43 | 0.0 | 0.0 | 11.0 | 0.0 | 11.0 |
| Phagi | 765 | 805 | 20:03 | 710 | 10:52 | 0.1 | 0.1 | 1.3 | 0.0 | 1.4 |

Note : '0' in Max / Min Col -> Telemetry Outage

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 | 497.00 | 983.40 | 507.97 | 1455.60 | 182.11 | 328.14 |
| Pong | 426.72 | 384.05 | 412.88 | 600.05 | 417.18 | 768.49 | 64.36 | 248.14 |
| Tehri | 829.79 | 740.04 | 820.20 | 1006.50 | 814.80 | 898.26 | 45.39 | 149.00 |
| Koteswar | 612.50 | 598.50 | 610.79 | 4.95 | 610.52 | 4.69 | 149.00 | 142.92 |
| Chamera-I | 760.00 | 748.75 | 759.68 | 0.00 | 0.00 | 0.00 | 54.30 | 51.66 |
| 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 | 511.34 | 2.88 | 507.72 | 4.64 | 70.01 | 125.65 |

* 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 | -440 | 1 | 0 | -440 | 0 | 0 | -13.18 | 0.01 | -13.17 |
| Delhi | -109 | -633 | 0 | -232 | -137 | 0 | -6.37 | -3.44 | -9.81 |
| Haryana | -630 | 331 | 0 | -315 | 342 | 0 | -10.20 | 7.50 | -2.70 |
| HP | 292 | 82 | 0 | 219 | -127 | 0 | 7.82 | -1.59 | 6.23 |
| J&K | 352 | 0 | 0 | 337 | -15 | 0 | 7.84 | -0.10 | 7.74 |
| CHD | -30 | 0 | 0 | -30 | 0 | 0 | -0.36 | 0.08 | -0.28 |
| Rajasthan | 201 | 519 | 0 | -7 | 515 | 0 | 8.36 | 15.11 | 23.47 |
| UP | 135 | 0 | 0 | -38 | -100 | 0 | -5.13 | 4.18 | -0.94 |
| Uttarakhand | 146 | 127 | 0 | 178 | -10 | 0 | 3.71 | 3.75 | 7.46 |
| Total | -83 | 429 | 0 | -328 | 467 | 0 | -7.51 | 25.51 | 18.00 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | -440 | -703 | 1 | 0 | 0 | 0 |
| Delhi | -109 | -423 | 325 | -639 | 0 | 0 |
| Haryana | -315 | -630 | 371 | -174 | 0 | 0 |
| HP | 439 | 219 | 82 | -641 | 0 | 0 |
| J&K | 352 | 300 | 0 | -15 | 0 | 0 |
| CHD | 0 | -30 | 0 | 0 | 15 | -25 |
| Rajasthan | 659 | -7 | 1294 | 508 | 0 | 0 |
| UP | 171 | -633 | 680 | -100 | 0 | 0 |
| Uttarakhand | 178 | 146 | 348 | -141 | 0 | 0 |

XI. System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter - regional corridors

| | |
|---------------------|---------------|
| WR | 0.00% |
| ER | 28.13% |
| Simultaneous | 0.00% |

(ii)%age of times ATC violated on the inter-regional corridors

| | |
|---------------------|---------------|
| WR | 0.00% |
| ER | 39.93% |
| Simultaneous | 0.00% |

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

| | |
|-----------------------|--------------|
| Rihand - Dadri | 0.00% |
|-----------------------|--------------|

XII. Zero Crossing Violations

| State | No. of violations(Maximum 8 in a day) | Maximum number of continuous blocks without sign change |
|-------------|---------------------------------------|---|
| Punjab | 2 | 15 |
| Haryana | 3 | 23 |
| Rajasthan | 0 | 8 |
| Delhi | 3 | 24 |
| UP | 1 | 21 |
| Uttarakhand | 3 | 36 |
| HP | 3 | 28 |
| J & K | 3 | 25 |
| Chandigarh | 4 | 40 |

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 16.11.2016 :**

Normal

XVI. Synchronisation of new generating units :**XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :**

1. 400kV RAPP-C (NR) –Sujalpur(WR) ckt-2 first time synchronized with grid at 16.47 hrs on dt. 15.11.2016.

XVIII. Tripping of lines in pooling stations :**XIX. Complete generation loss in a generating station :**

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.

Report for : 16.11.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER