

| | | | | | | | |
|---|---------------------------------------|----------------------------------|--------------|---------------|---------------|-------------|-----|
| | Solar | 560 | 0 | 0 | 0.07 | 3 | |
| | Renewable(Total) | 848 | 0 | 0 | 0.29 | 12 | |
| | Total Punjab | 8408 | 1726 | 1673 | 39.87 | 1661 | |
| Haryana | Panipat TPS (2*210+2*250) | 920 | 0 | 0 | 0.00 | 0 | |
| | DCRTPP (Yamuna nagar) (2*300) | 600 | 542 | 548 | 11.36 | 473 | |
| | Faridabad GPS (NTPC)(2*137.75+1*156) | 432 | 0 | 0 | 0.00 | 0 | |
| | RGTPP (khedar) (IPP) (2*600) | 1200 | 470 | 549 | 10.25 | 427 | |
| | Magnum Diesel (IPP) | 25 | 0 | 0 | 0.00 | 0 | |
| | Jhajjar(CLP) (2*660) | 1320 | 556 | 596 | 11.06 | 461 | |
| | Thermal (Total) | 4497 | 1568 | 1693 | 32.67 | 1361 | |
| | Total Hydro | 62 | 26 | 22 | 0.61 | 25 | |
| | 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 | 1594 | 1715 | 33.28 | 1387 | |
| | Rajasthan | kota TPS (2*110+2*195+3*210) | 1240 | 299 | 361 | 8.17 | 340 |
| suratgarh TPS (6*250) | | 1500 | 180 | 203 | 4.69 | 195 | |
| Chabra TPS (4*250) | | 1000 | 764 | 420 | 16.32 | 680 | |
| Chabra TPS (1*660) | | 660 | 0 | 0 | 0.00 | 0 | |
| 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 | 187 | 185 | 4.72 | 197 | |
| RAPS A (NPC) (1*100+1*200) | | 300 | 0 | 0 | 0.00 | 0 | |
| Barsingsar (NLC) (2*125) | | 250 | 193 | 225 | 5.22 | 218 | |
| Giral LTPS (2*125) | | 250 | 0 | 0 | 0.00 | 0 | |
| Rajwst LTPS (IPP) (8*135) | | 1080 | 628 | 824 | 16.61 | 692 | |
| VS LIGNITE LTPS (IPP) (1*135) | | 135 | 0 | 0 | 0.00 | 0 | |
| Kalisindh Thermal(2*600) | | 1200 | 404 | 526 | 10.81 | 450 | |
| Kawai(Adani) (2*660) | | 1320 | 549 | 619 | 14.21 | 592 | |
| Thermal (Total) | | 9536 | 3204 | 3363 | 80.74 | 3364 | |
| Total Hydro | | 550 | 22 | 20 | 0.15 | 6 | |
| Wind power | | 4017 | 975 | 1692 | 30.32 | 1263 | |
| Biomass | | 99 | 32 | 32 | 0.76 | 32 | |
| Solar | | 1295 | 0 | 0 | 2.91 | 121 | |
| Renewable/Others (Total) | | 5411 | 1007 | 1724 | 33.99 | 1416 | |
| Total Rajasthan | | 15497 | 4233 | 5107 | 114.88 | 4786 | |
| UP | | Anpara TPS (3*210+2*500) | 1630 | 1199 | 934 | 23.26 | 969 |
| | | Obra TPS (2*50+2*94+5*200) | 1194 | 494 | 666 | 13.80 | 575 |
| | Paricha TPS (2*110+2*220+2*250) | 1160 | 712 | 708 | 16.41 | 684 | |
| | Panki TPS (2*105) | 210 | 135 | 134 | 3.22 | 134 | |
| | Harduaganj TPS (1*60+1*105+2*250) | 665 | 376 | 398 | 9.59 | 400 | |
| | Tanda TPS (NTPC) (4*110) | 440 | 245 | 282 | 5.91 | 246 | |
| | Roza TPS (IPP) (4*300) | 1200 | 757 | 746 | 18.63 | 776 | |
| | Anpara-C (IPP) (2*600) | 1200 | 783 | 783 | 17.96 | 748 | |
| | Bajaj Energy Pvt.Ltd(IPP) TPS (10*45) | 450 | 283 | 282 | 6.56 | 274 | |
| | Anpara-D(2*500) | 1000 | 584 | 385 | 10.52 | 438 | |
| | Lalitpur TPS(3*660) | 1980 | 991 | 1011 | 20.92 | 872 | |
| | Bara(2*660) | 1320 | 554 | 561 | 12.01 | 501 | |
| | Thermal (Total) | 12449 | 7113 | 6890 | 158.79 | 6616 | |
| | Vishnuparyag HPS (IPP)(4*110) | 440 | 345 | 435 | 7.84 | 327 | |
| | Alaknanda(4*82.5) | 330 | 160 | 154 | 3.37 | 141 | |
| | Other Hydro | 527 | 40 | 50 | 1.34 | 56 | |
| | Cogeneration | 981 | 400 | 400 | 9.60 | 400 | |
| | 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 | 8058 | 7929 | 180.94 | 7539 | | |
| Uttarakhand | Other Hydro | 1250 | 595 | 559 | 14.18 | 591 | |
| | Total Gas | 225 | 0 | 0 | 0.00 | 0 | |
| | Wind Power | 0 | 0 | 0 | 0.00 | 0 | |
| | Biomass | 127 | 0 | 0 | 0.00 | 0 | |
| | Solar | 20 | 0 | 0 | 0.52 | 22 | |
| | Small Hydro (< 25 MW) | 180 | 0 | 0 | 0.00 | 0 | |
| | Renewable(Total) | 327 | 0 | 0 | 0.52 | 22 | |
| | Total Uttarakhand | 1802 | 595 | 559 | 14.70 | 612 | |
| Delhi | Raighat TPS (2*67.5) | 135 | 0 | 0 | 0.00 | 0 | |
| | Delhi Gas Turbine (6x30 + 3x34) | 282 | 72 | 71 | 1.76 | 73 | |
| | Pragati Gas Turbine (2x104+ 1x122) | 330 | 260 | 261 | 6.38 | 266 | |
| | Rithala GPS (3*36) | 95 | 0 | 0 | 0.00 | 0 | |
| | Bawana GPS (4*216+2*253) | 1370 | 250 | 249 | 6.00 | 250 | |
| | Badarpur TPS (NTPC) (3*95+2*210) | 705 | 327 | 326 | 7.10 | 296 | |
| | Thermal (Total) | 2917 | 909 | 907 | 21.24 | 885 | |
| | 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 | 909 | 907 | 21.24 | 885 | | |
| HP | Baspa HPS (IPP) (3*100) | 300 | 177 | 187 | 3.86 | 161 | |
| | Malana HPS (IPP) (2*43) | 86 | 83 | 85 | 1.31 | 54 | |
| | Other Hydro (>25MW) | 372 | 267 | 290 | 6.41 | 267 | |
| | 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 | 239 | 250 | 5.64 | 235 | |
| | Renewable(Total) | 486 | 239 | 250 | 5.64 | 235 | |
| | Total HP | 1244 | 766 | 812 | 17.21 | 717 | |
| | J & K | Baglihar HPS (IPP) (3*150+3*150) | 900 | 740 | 743 | 17.79 | 741 |
| Other Hydro/IPP(including 98 MW Small Hydro) | | 308 | 94 | 66 | 1.84 | 77 | |
| 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 | 834 | 809 | 20 | 818 | | |
| Total State Control Area Generation | 50738 | 18715 | 19511 | 441.74 | 18406 | | |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | 6895 | 7368 | 149.72 | 6238 | | |
| Total Regional Availability(Gross) | 76635 | 43926 | 43761 | 981.89 | 40912 | | |
| IV. Total Hydro Generation: | | | | | | | |
| Regional Entities Hydro | 12234 | 10405 | 8665 | 217.25 | 9052 | | |
| State Control Area Hydro | 7163 | 3180 | 3219 | 74.12 | 3110 | | |
| Total Regional Hydro | 19397 | 13585 | 11884 | 291.37 | 12162 | | |
| V. Total Renewable Generation: | | | | | | | |
| Regional Entities Renewable | 30 | 0 | 0 | 0.45 | 19 | | |
| State Control Area Renewable | 7356 | 1246 | 1974 | 40.44 | 1685 | | |

| | | | | | |
|--------------------------|------|------|------|-------|------|
| Total Regional Renewable | 7386 | 1246 | 1974 | 40.88 | 1703 |
|--------------------------|------|------|------|-------|------|

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

| Element | Peak(20:00 Hrs) MW | Off Peak(03:00 Hrs) MW | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|---|-----------------------|---------------------------|--------------------------|--------|---------------|--------------|------------------|
| | | | Import | Export | Import | Export | |
| Vindhychal(HVDC B/B) | -250 | -250 | 0 | 250 | 0.00 | -5.52 | 5.52 |
| 765 KV Gwalior-Agra (D/C) | 2542 | 2106 | 2542 | 0 | 31.75 | 0.00 | 31.75 |
| 400 KV Zerda-Kankrol | -169 | -204 | 0 | 372 | 0.00 | 5.61 | -5.61 |
| 400 KV Zerda-Bhinmal | -198 | -208 | 159 | 305 | 0.00 | 4.77 | -4.77 |
| 220 KV Auraiya-Malanpur | -46 | -43 | 0 | 93 | 0.00 | 1.10 | -1.10 |
| 220 KV Badod-Kota/Morak | 34 | 63 | 55 | 45 | 0.79 | 0.00 | 0.79 |
| Mundra-Mohindergarh(HVDC Bipole) | 1502 | 2298 | 2305 | 0 | 47.33 | 0.00 | 47.33 |
| 400 KV RAPPC-Sujalpur | 160 | 234 | 365 | 0 | 4.14 | 0.00 | 4.14 |
| 400 KV Vindhychal-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| 765 KV Phagi-Gwalior (D/C) | 1075 | 1155 | 681 | 0 | 20.11 | 0.00 | 20.11 |
| +/- 800 kV HVDC Champa-Kurushetra | 1000 | 1000 | 1500 | 0 | 24.69 | 0 | 24.69 |
| Sub Total WR | 5650 | 6151 | | | 128.81 | 5.96 | 122.85 |
| 400 kV Sasaram - Varanasi | 137 | 112 | 147 | 0 | 3.45 | 0.00 | 3.45 |
| 400 kV Sasaram - Allahabad | 4 | 26 | 26 | 0 | 0.05 | 0.00 | 0.05 |
| 400 KV MZP- GKP (D/C) | 30 | 584 | 584 | 0 | 6.49 | 0.00 | 6.49 |
| 400 KV Patna-Balia(D/C) X 2 | 803 | 659 | 844 | 0 | 15.94 | 0.00 | 15.94 |
| 400 KV B'Sharif-Balia (D/C) | 188 | 88 | 220 | 0 | 2.40 | 0.00 | 2.40 |
| 765 KV Gaya-Balia | 394 | 174 | 401 | 0 | 4.11 | 0.00 | 4.11 |
| 765 KV Gaya-Varanasi (D/C) | -374 | -440 | 87 | 517 | 0.00 | 4.40 | -4.40 |
| 220 KV Pusauli-Sahupuri | 147 | 213 | 230 | 0 | 4.35 | 0.00 | 4.35 |
| 132 KV K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| 132 KV Son Ngr-Rihand | -32 | -34 | 0 | 38 | 0.00 | 0.78 | -0.78 |
| 132 KV Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| 765 KV Sasaram - Fatehpur | -158 | -116 | 0 | 294 | 0.00 | 3.51 | -3.51 |
| 400 KV Barh -GKP (D/C) | 548 | 550 | 558 | 0 | 10.30 | 0.00 | 10.30 |
| 400 kV B'Sharif - Varanasi (D/C) | 58 | -99 | 87 | 125 | 0.50 | 0.00 | 0.50 |
| +/- 800 KV HVDC Alipurduar-Agra | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sub Total ER | 1745 | 1717 | | | 47.60 | 8.69 | 38.91 |
| +/- 800 KV HVDC BiswanathCharialli-Agra | -500 | -500 | 0 | 500.00 | 0.00 | 12.04 | -12.04 |
| Sub Total NER | -500 | -500 | | | 0.00 | 12.04 | -12.04 |
| Total IR Exch | 6895 | 7368 | | | 176.41 | 26.69 | 149.72 |

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 |
| 33.14 | 0.89 | 34.02 | -0.16 | 1.55 | -17.29 | -6.74 | 0.00 | 0.00 |

| Total IR Schedule (MU) | | | Total IR Actual (MU) | | | Net IR UI (MU) | | |
|------------------------|------------------------|--------|---------------------------|------------|--------|----------------------------|------------|-------|
| Through ER | Through WR Incls Mndra | Total | Through ER(including NER) | Through WR | Total | Through ER (including NER) | Through WR | Total |
| 16.57 | 127.95 | 144.52 | 26.87 | 122.85 | 149.72 | 10.30 | -5.10 | 5.19 |

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

| Element | Peak(20:00 Hrs) MW | Off Peak(03:00 Hrs) MW | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|---------------------------------|-----------------------|---------------------------|--------------------------|--------|-------------|--------|------------------|
| | | | Import | Export | Import | Export | |
| 132 KV Tanakpur - Mahendarnagar | -21 | -24 | 0 | 30 | 0 | 1 | -0.64 |

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 | 2.21 | 48.09 | 76.67 | 16.50 | 4.40 | 0.00 | 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) | |
| 50.24 | 18.04 | 49.84 | 4.45 | 50.01 | 0.031 | 0.056 | 50.15 | 49.94 | 23.33 |

VIII(A). Voltage profile 400 kV

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | | Volta ge Deviat |
|-------------------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|-----------------------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <380 kV | <390 kV | >420 kV | >430 kV | |
| Rihand | 400 | 410 | 07:00 | 403 | 20:13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 418 | 07:04 | 392 | 19:18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bareilly(PG)400kV | 400 | 421 | 07:03 | 390 | 19:19 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| Kanpur | 400 | 418 | 07:04 | 396 | 19:32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 422 | 07:05 | 403 | 21:13 | 0.0 | 0.0 | 0.9 | 0.0 | 0.9 |
| Ballabgarh | 400 | 420 | 07:03 | 398 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bawana | 400 | 420 | 07:02 | 399 | 21:15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bassi | 400 | 423 | 17:37 | 395 | 00:01 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 |
| Hissar | 400 | 416 | 07:04 | 396 | 00:02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 420 | 07:06 | 404 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Abdullapur | 400 | 420 | 07:06 | 399 | 21:04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nalagarh | 400 | 421 | 13:03 | 408 | 00:07 | 0.0 | 0.0 | 1.9 | 0.0 | 1.9 |
| Kishenpur | 400 | 413 | 08:02 | 402 | 00:01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 406 | 13:01 | 381 | 20:08 | 0.0 | 13.1 | 0.0 | 0.0 | 0.0 |
| Amritsar | 400 | 425 | 07:02 | 412 | 00:00 | 0.0 | 0.0 | 54.4 | 0.0 | 54.4 |
| Kashipur | 400 | 0 | 00:00 | 0 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Hamirpur | 400 | 418 | 13:24 | 406 | 00:05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rishikesh | 400 | 424 | 07:06 | 391 | 19:20 | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 |

VIII(B). Voltage profile 765 kV

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | | Volta ge Deviat |
|-----------------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|-----------------------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <728 kV | <742 kV | >800 kV | >820 kV | |
| Fatehpur | 765 | 779 | 07:08 | 742 | 19:31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Balia | 765 | 787 | 07:02 | 749 | 19:31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 765 | 803 | 07:05 | 769 | 19:31 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 |
| Agra | 765 | 797 | 07:04 | 755 | 19:32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bhiwani | 765 | 806 | 07:07 | 768 | 00:00 | 0.0 | 0.0 | 33.0 | 0.0 | 33.0 |
| Unnao | 765 | 773 | 07:05 | 729 | 20:55 | 0.0 | 24.0 | 0.0 | 0.0 | 0.0 |
| Lucknow | 765 | 803 | 07:06 | 744 | 20:13 | 0.0 | 0.0 | 0.7 | 0.0 | 0.7 |
| Meerut | 765 | 812 | 07:04 | 758 | 19:32 | 0.0 | 0.0 | 6.1 | 0.0 | 6.1 |
| Jhatikara | 765 | 805 | 07:05 | 764 | 00:02 | 0.0 | 0.0 | 4.2 | 0.0 | 4.2 |
| Bareilly 765 kV | 765 | 804 | 07:04 | 745 | 20:13 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 |
| Anta | 765 | 799 | 18:07 | 771 | 00:00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Phagi | 765 | 0 | 00:00 | 0 | 00:00 | 100.0 | 100.0 | 0.0 | 0.0 | 100.0 |

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 | 468.84 | 248.16 | 477.59 | 407.63 | 701.32 | 384.88 |

| | | | | | | | | |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Pong | 426.72 | 384.05 | 396.83 | 157.28 | 394.73 | 121.45 | 122.41 | 187.57 |
| Tehri | 829.79 | 740.04 | 756.00 | 91.11 | 743.35 | 15.92 | 117.74 | 192.00 |
| Koteshwar | 612.50 | 598.50 | 610.50 | 4.95 | 608.87 | 4.00 | 192.00 | 191.50 |
| Chamera-I | 760.00 | 748.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rihand | 268.22 | 252.98 | 852.90 | 302.90 | 842.90 | 154.20 | 0.00 | 0.00 |
| RPS | 352.80 | 343.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jawahar Saqar | 298.70 | 295.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RSD | 527.91 | 487.91 | 515.43 | 3.54 | 498.10 | 1.14 | 317.92 | 99.55 |

* NA: Not Available

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

| State | Off- Peak Hours (03:00 Hrs) | | | Peak Hours (20:00 Hrs) | | | Day Energy (MU) | | |
|--------------|-----------------------------|-------------|-----------|------------------------|------------|-----------|-----------------|-----------------|--------------|
| | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MU) | IEX / PXIL (MU) | Total (MU) |
| Punjab | 446 | 0 | 0 | 24 | 0 | 0 | 1.80 | -2.69 | -0.90 |
| Delhi | -130 | 270 | 0 | -130 | 42 | 0 | -3.20 | 4.94 | 1.75 |
| Haryana | 148 | 255 | 0 | 148 | 174 | 0 | 1.13 | 0.93 | 2.06 |
| HP | -688 | -429 | 0 | -248 | -1053 | 0 | -6.21 | -23.56 | -29.76 |
| J&K | -163 | -498 | 0 | -163 | -291 | 0 | -3.92 | -8.60 | -12.51 |
| CHD | 0 | 0 | 0 | 0 | 20 | 0 | 0.00 | 0.41 | 0.41 |
| Rajasthan | -8 | 408 | 0 | -8 | 323 | 0 | -0.17 | 8.99 | 8.82 |
| UP | 832 | 1002 | 0 | 940 | 1099 | 0 | 8.17 | 11.16 | 19.34 |
| Uttarakhand | 266 | 1 | 0 | 136 | 57 | 0 | 5.73 | -2.08 | 3.65 |
| Total | 702 | 1008 | 0 | 699 | 371 | 0 | 3.34 | -10.48 | -7.14 |

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

| State | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|-------------|----------------|---------|----------|---------|-----------|---------|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| Punjab | 446 | -50 | 15 | -595 | 0 | 0 |
| Delhi | 45 | -209 | 585 | -77 | 0 | 0 |
| Haryana | 148 | -53 | 275 | -527 | 0 | 0 |
| HP | -40 | -688 | -397 | -1175 | 0 | 0 |
| J&K | -163 | -163 | -227 | -498 | 0 | 0 |
| CHD | 0 | 0 | 44 | -10 | 0 | 0 |
| Rajasthan | 0 | -8 | 409 | 319 | 0 | 0 |
| UP | 1059 | 34 | 1586 | -68 | 0 | 0 |
| Uttarakhand | 266 | 136 | 99 | -238 | 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 | 0.00% |
| Simultaneous | 0.00% |

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

| | |
|--------------|-------|
| WR | 0.00% |
| ER | 0.00% |
| 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 | 4 | 24 |
| Haryana | 2 | 20 |
| Rajasthan | 1 | 20 |
| Delhi | 4 | 47 |
| UP | 1 | 17 |
| Uttarakhand | 4 | 15 |
| HP | 3 | 21 |
| J & K | 4 | 31 |
| Chandigarh | 5 | 52 |

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 23.04.2017 :

XVI. Synchronisation of new generating units :

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

220 kV Binmal Sayala-II charged and synchronised at 1725Hrs

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.