# POWER SYSTEM OPERATION CORPORATION LIMITED
## NORTHERN REGIONAL LOAD DESPATCH CENTRE
## DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 01-Apr-2019

**Date of Reporting:02-Apr-2019**

**1. Regional Availability/Demand:**

| Evening Peak (19:00) MW | | | | Off-Peak (03:00) MW | | | | Day Energy(Net MU) | |
|---|---|---|---|---|---|---|---|---|---|
| Demand Met | Shortage(-)/Surplus(+) | Requirement | Freq (Hz) | Demand Met | Shortage(-)/Surplus .. | Requirement | Freq (Hz) | Demand Met | Shortage |
| 42,598 | 527 | 43,125 | 49.93 | 35,741 | 298 | 36,039 | 50.11 | 946 | 11.05 |

**2(A)State's Load Deails (At State Periphery) in MU:**

| State | State's Control Area Generation (Net MU) | | | | | | | Drawal Sch | Act Drawal | UI | Requirement | Shortage | Consumption |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thermal | Hydro | Gas/Naptha/ Diesel | Solar | Wind | OthersBiomass/Small Hyd/Co-gen etc.) | Total | (Net MU) | (Net MU) | (Net MU) | (Net MU) | (Net MU) | (Net MU) |
| PUNJAB | 60.53 | 7.9 | 0 | 4.45 | 0 | 2.51 | 75.38 | 51 | 48.95 | -2.05 | 124.33 | 0 | 124.33 |
| HARYANA | 38.72 | 0.81 | 0 | 0.19 | 0 | 1.11 | 40.83 | 78.4 | 77.06 | -1.34 | 118.32 | 0.43 | 117.89 |
| RAJASTHAN | 125.38 | 0.85 | 2.08 | 18.9 | 5.38 | 4.94 | 157.54 | 58.11 | 56.22 | -1.89 | 213.76 | 0 | 213.76 |
| DELHI | 0 | 0 | 3.58 | 0 | 0 | 0 | 3.58 | 69.65 | 68.4 | -1.25 | 71.99 | 0.01 | 71.98 |
| UTTAR PRADESH | 153.82 | 6.76 | 0 | 4.35 | 0 | 19.2 | 184.14 | 127.76 | 126.96 | -0.8 | 311.1 | 0 | 311.1 |
| UTTARAKHAND | 0 | 15.45 | 6.01 | 0.86 | 0 | 0.72 | 23.05 | 10.62 | 11.09 | 0.47 | 34.14 | 0 | 34.14 |
| HIMACHAL PRADESH | 0 | 6.54 | 0 | 0 | 0 | 7.19 | 13.73 | 10.42 | 11.2 | 0.78 | 24.93 | 0 | 24.93 |
| JAMMU & KASHMIR | 0 | 13.67 | 0 | 0 | 0 | 0 | 13.67 | 31.8 | 30.86 | -0.94 | 55.14 | 10.61 | 44.53 |
| CHANDIGARH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.74 | 3.34 | -0.4 | 3.34 | 0 | 3.34 |
| Region | 378.45 | 51.98 | 11.67 | 28.75 | 5.38 | 35.67 | 511.92 | 441.5 | 434.08 | -7.42 | 957.05 | 11.05 | 946 |

**2(B)State Demand Met (Peak and off-peak Hrs)**

| State | Evening Peak (19:00) MW | | | | Off-Peak (03:00) MW | | | |
|---|---|---|---|---|---|---|---|---|
| | Demand Met | Shortage(-)/Surplus(+) | UI | STOA/PX Transaction | Demand Met | Shortage(-)/Sur .. | UI | STOA/PX Transaction |
| PUNJAB | 5,252 | 0 | -209 | -1,063 | 4,544 | 0 | -69 | -1,365 |
| HARYANA | 6,079 | 0 | -83 | 361 | 4,106 | 0 | -54 | -119 |
| RAJASTHAN | 7,766 | 0 | 112 | -219 | 7,865 | 0 | 191 | -114 |
| DELHI | 3,366 | 0 | -161 | -296 | 2,337 | 0 | 3 | -672 |
| UTTAR PRADESH | 15,185 | 0 | -300 | 543 | 13,042 | 0 | -55 | 697 |
| UTTARAKHAND | 1,601 | 0 | 71 | 5 | 1,316 | 0 | 108 | -265 |
| HIMACHAL PRADESH | 1,072 | 0 | 72 | -535 | 743 | 0 | 65 | -254 |
| JAMMU & KASHMIR | 2,108 | 527 | 192 | -47 | 1,691 | 298 | -63 | -33 |
| CHANDIGARH | 169 | 0 | -37 | -25 | 96 | 0 | 6 | -35 |
| Region | 42,598 | 527 | -343 | -1,276 | 35,740 | 298 | 132 | -2,160 |

**2(C)State's Demand Met in MWs (Maximum Demand Met and Maximum requirement of the day details)**

| State | Maximum Demand, corresponding shortage and requirement details for the day | | | | Maximum requirement, corresponding shortage and demand details for the day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Maximum Demand Met of the day | Time | Shortage(-) /Surplus(+) during at maximum demand | Requirement at the max demand met of the day | Maximum Requirement of the day | Time | Shortage(-) /Surplus(+) during at maximum Requirement | Demand Met at maximum requiremnet | Min Demand Met | Time |
| PUNJAB | 5,898 | 13:00 | 0 | 5,898 | 5,898 | 13:00 | 0 | 5,898 | 4,440 | 5:00 |
| HARYANA | 6,132 | 20:00 | 0 | 6,132 | 6,132 | 20:00 | 0 | 6,132 | 4,053 | 4:00 |
| RAJASTHAN | 9,783 | 12:00 | 0 | 9,783 | 9,783 | 12:00 | 0 | 9,783 | 7,450 | 5:00 |
| DELHI | 3,505 | 20:00 | 0 | 3,505 | 3,505 | 20:00 | 0 | 3,505 | 2,233 | 5:00 |
| UP | 16,608 | 20:00 | 0 | 16,608 | 16,608 | 20:00 | 0 | 16,608 | 10,977 | 9:00 |
| UTTARAKHAND | 1,603 | 20:00 | 0 | 1,603 | 1,603 | 20:00 | 0 | 1,603 | 1,283 | 2:00 |
| HP | 1,336 | 8:00 | 0 | 1,336 | 1,336 | 8:00 | 0 | 1,336 | 743 | 3:00 |
| J&K | 2,176 | 20:00 | 544 | 2,720 | 2,720 | 20:00 | 544 | 2,176 | 1,544 | 14:00 |
| CHANDIGARH | 170 | 20:00 | 0 | 170 | 170 | 20:00 | 0 | 170 | 95 | 2:00 |
| NR | 45,558 | 20:00 | 544 | 46,102 | 46,102 | 20:00 | 544 | 45,558 | 34,826 | 4:00 |

**3(A) State Entities Generation:**

**CHANDIGARH**

| Station/Constituents | Inst. Capacity | N/A | N/A | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| NIL | | | | | | | |
| Total | 0 | 0 | 0 | | | 0 | 0 |
| Total | 0 | 0 | 0 | | | 0 | 0 |

**DELHI**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BADARPUR TPS( 2 * 210 + 3 * 100 ) | 705 | 0 | 0 | 0 | | | |
| RAJGHAT TPS( 2 * 67.5 ) | 135 | 0 | 0 | 0 | | | |
| Total THERMAL | 840 | 0 | 0 | | | 0 | 0 |
| BAWANA GPS( 2 * 253 + 4 * 216 ) | 1,370 | 0 | 0 | 0 | | | |
| DELHI GAS TURBINES( 3 * 34 + 6 * 30 ) | 282 | 39 | 41 | 41 | 03:00 | 0.9 | 38 |
| PRAGATI GAS TURBINES( 1 * 121.2 + 2 * 104.6 ) | 331 | 146 | 52 | 148 | 22:00 | 2.69 | 112 |
| RITHALA GPS( 3 * 36 ) | 108 | 0 | 0 | 0 | | | |
| Total GAS/NAPTHA/DIESEL | 2,091 | 185 | 93 | | | 3.59 | 150 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS( 1 * 16 ) | 16 | 0 | 0 | 0 | | | |
| SOLAR( 1 * 2 ) | 2 | 0 | 0 | 0 | | | |
| Total DELHI | 2,949 | 185 | 93 | | | 3.59 | 150 |

**HARIYANA**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| DCRTPP (YAMUNA NAGAR)( 2 * 300 ) | 600 | 479 | 497 | 0 | | 11.35 | 473 |
| JHAJJAR(CLP)( 2 * 660 ) | 1,320 | 742 | 739 | 0 | | 17.85 | 744 |
| MAGNUM DIESEL (IPP)( 4 * 6.3 ) | 25 | 0 | 0 | 0 | | | |
| PANIPAT TPS( 2 * 210 + 2 * 250 ) | 920 | 395 | 395 | 0 | | 9.53 | 397 |
| RGTPP( KHEDAR)( 2 * 600 ) | 1,200 | 0 | 0 | 0 | | | |
| Total THERMAL | 4,065 | 1,616 | 1,631 | | | 38.73 | 1,614 |
| FARIDABAD GPS( 1 * 156.07 + 2 * 137.75 ) | 432 | 0 | 0 | 0 | | | |
| Total GAS/NAPTHA/DIESEL | 432 | 0 | 0 | | | 0 | 0 |
| TOTAL HYDRO HARYANA( 1 * 62 ) | 62 | 34 | 25 | 0 | | 0.81 | 34 |
| Total HYDEL | 62 | 34 | 25 | | | 0.81 | 34 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS( 1 * 106 ) | 106 | 0 | 0 | 0 | | 1.11 | 46 |
| SOLAR( 1 * 50 ) | 50 | 0 | 0 | 0 | | 0.19 | 8 |
| Total HARYANA | 4,715 | 1,650 | 1,656 | | | 40.84 | 1,702 |

**HIMACHAL PRADESH**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BASPA (IPP) HPS( 3 * 100 ) | 300 | 72 | 0 | 0 | | 1.14 | 48 |
| MALANA (IPP) HPS( 2 * 43 ) | 86 | 36 | 10 | 0 | | 0.68 | 28 |
| OTHER HYDRO HP( 1 * 372 ) | 372 | 257 | 173 | 0 | | 4.71 | 196 |
| Total HYDEL | 758 | 365 | 183 | | | 6.53 | 272 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS | 0 | 0 | 0 | 0 | | | |
| SOLAR | 0 | 0 | 0 | 0 | | | |
| SMALL HYDRO( 1 * 486 ) | 486 | 312 | 309 | 0 | | 7.19 | 300 |
| Total SMALL HYDRO | 486 | 312 | 309 | | | 7.19 | 300 |
| Total HP | 1,244 | 677 | 492 | | | 13.72 | 572 |

**JAMMU & KASHMIR**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| GAS/DIESEL/OTHERS J&K( 1 * 190 ) | 190 | 0 | 0 | 0 | | | |
| Total GAS/NAPTHA/DIESEL | 190 | 0 | 0 | | | 0 | 0 |
| BAGLIHAR (IPP) HPS( 6 * 150 ) | 900 | 442 | 442 | 0 | | 10.61 | 442 |
| OTHER HYDRO/IPP J&K( 1 * 308 ) | 308 | 181 | 96 | 0 | | 3.05 | 127 |
| Total HYDEL | 1,208 | 623 | 538 | | | 13.66 | 569 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS | 0 | 0 | 0 | 0 | | | |
| SOLAR | 0 | 0 | 0 | 0 | | | |
| SMALL HYDRO( 1 * 98 ) | 98 | 0 | 0 | 0 | | | |
| Total SMALL HYDRO | 98 | 0 | 0 | | | 0 | 0 |
| Total J&K | 1,496 | 623 | 538 | | | 13.66 | 569 |

**PUNJAB**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| GOINDWAL(GVK)( 2 * 270 ) | 540 | 290 | 290 | 320 | | 7.1 | 296 |
| GURU GOBIND SINGH TPS (ROPAR)( 6 * 210 ) | 1,260 | 0 | 0 | 0 | | -0.08 | -3 |
| GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)( 2 * 210 + 2 * 250 ) | 920 | 175 | 177 | 179 | | 4.15 | 173 |
| GURU NANAK DEV TPS (BHATINDA)( 4 * 110 ) | 460 | 0 | 0 | 0 | | -0.01 | 0 |
| RAJPURA(NPL) TPS( 2 * 700 ) | 1,400 | 660 | 648 | 660 | | 15.78 | 658 |
| TALWANDI SABO TPS( 3 * 660 ) | 1,980 | 1,125 | 1,700 | 1,831 | | 33.59 | 1,400 |
| Total THERMAL | 6,560 | 2,250 | 2,815 | | | 60.53 | 2,524 |
| TOTAL HYDRO PUNJAB( 1 * 1000 ) | 1,000 | 382 | 261 | 441 | | 7.9 | 329 |
| Total HYDEL | 1,000 | 382 | 261 | | | 7.9 | 329 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS( 1 * 303 ) | 303 | 0 | 0 | 0 | | 2.51 | 105 |
| SOLAR( 1 * 859 ) | 859 | 0 | 0 | 584 | | 4.45 | 185 |
| Total PUNJAB | 8,722 | 2,632 | 3,076 | | | 75.39 | 3,143 |

**RAJASTHAN**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BARSINGSAR (IPP) LTPS( 2 * 125 ) | 250 | 218 | 220 | 0 | | 5.25 | 219 |
| CHHABRA TPS( 1 * 660 + 4 * 250 ) | 1,660 | 1,862 | 1,687 | 0 | | 44.99 | 1,875 |
| GIRAL (IPP) LTPS( 2 * 125 ) | 250 | 0 | 0 | 0 | | | |
| KALISINDH TPS( 2 * 600 ) | 1,200 | 879 | 900 | 0 | | 22.27 | 928 |
| KAWAI TPS( 2 * 660 ) | 1,320 | 1,008 | 866 | 0 | | 22.23 | 926 |
| KOTA TPS( 2 * 110 + 2 * 195 + 3 * 210 ) | 1,240 | 480 | 435 | 0 | | 11.16 | 465 |
| RAJWEST (IPP) LTPS( 8 * 135 ) | 1,080 | 492 | 391 | 0 | | 12.6 | 525 |
| SURATGARH TPS ( 6 * 250 ) | 1,500 | 176 | 162 | 0 | | 5.25 | 219 |
| VSLPP (IPP)( 1 * 135 ) | 135 | 67 | 68 | 0 | | 1.64 | 68 |
| Total THERMAL | 8,635 | 5,182 | 4,729 | | | 125.39 | 5,225 |
| DHOLPUR GPS( 3 * 110 ) | 330 | 0 | 0 | 0 | | | |
| RAMGARH GPS( 1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5 ) | 271 | 85 | 90 | 0 | | 2.08 | 87 |
| Total GAS/NAPTHA/DIESEL | 601 | 85 | 90 | | | 2.08 | 87 |
| RAPS-A( 1 * 100 + 1 * 200 ) | 300 | 178 | 181 | 0 | | 4.29 | 179 |
| Total NUCLEAR | 300 | 178 | 181 | | | 4.29 | 179 |
| TOTAL HYDRO RAJASTHAN( 1 * 550 ) | 550 | 43 | 21 | 0 | | 0.85 | 35 |
| Total HYDEL | 550 | 43 | 21 | | | 0.85 | 35 |
| WIND | 4,292 | 237 | 389 | 0 | | 5.38 | 224 |
| BIOMASS( 1 * 102 ) | 102 | 27 | 27 | 0 | | 0.66 | 28 |
| SOLAR( 1 * 1995 ) | 1,995 | 115 | 0 | 0 | | 18.9 | 788 |
| Total RAJASTHAN | 16,475 | 5,867 | 5,437 | | | 157.55 | 6,566 |

**UTTAR PRADESH**

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|---|---|---|---|---|---|---|---|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| ANPARA TPS( 2 * 500 + 3 * 210 ) | 1,630 | 1,422 | 1,420 | 0 | | 30.55 | 1,273 |
| ANPARA-C TPS( 2 * 600 ) | 1,200 | 1,098 | 1,067 | 0 | | 19.57 | 815 |
| ANPARA-D TPS( 2 * 500 ) | 1,000 | 937 | 926 | 0 | | 21.55 | 898 |
| BAJAJ ENERGY PVT LTD (IPP) TPS( 10 * 45 ) | 450 | 0 | 0 | 0 | | | |
| BARA PPGCL TPS( 3 * 660 ) | 1,980 | 926 | 667 | 0 | | 18.01 | 750 |
| HARDUAGANJ TPS( 1 * 105 + 1 * 60 + 2 * 250 ) | 665 | 429 | 2,346 | 0 | | 7.08 | 295 |
| LALITPUR TPS( 3 * 660 ) | 1,980 | 763 | 679 | 0 | | 18.36 | 765 |
| MEJA TPS( 1 * 660 ) | 660 | 0 | 0 | 0 | | | |
| OBRA TPS ( 2 * 94 + 5 * 200 ) | 1,188 | 498 | 440 | 0 | | 8.83 | 368 |
| PANKI TPS( 2 * 105 ) | 210 | 0 | 0 | 0 | | | |
| PARICHA TPS( 2 * 110 + 2 * 210 + 2 * 250 ) | 1,160 | 313 | 246 | 0 | | 6.97 | 290 |
| ROSA TPS( 4 * 300 ) | 1,200 | 810 | 592 | 0 | | 16.72 | 697 |
| TANDA TPS( 4 * 110 ) | 440 | 308 | 215 | 0 | | 6.18 | 258 |
| Total THERMAL | 13,763 | 7,504 | 8,598 | | | 153.82 | 6,409 |
| ALAKHANDA HEP( 4 * 82.5 ) | 330 | 165 | 83 | 0 | | 2.61 | 109 |
| VISHNUPARYAG HPS( 4 * 110 ) | 440 | 88 | 88 | 0 | | 2.11 | 88 |
| OTHER HYDRO UP( 1 * 527 ) | 527 | 122 | 87 | 0 | | 2.04 | 85 |
| Total HYDEL | 1,297 | 375 | 258 | | | 6.76 | 282 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS( 1 * 26 ) | 26 | 0 | 0 | 0 | | | |
| SOLAR( 1 * 472 ) | 472 | 0 | 0 | 0 | | 4.35 | 181 |
| CO-GENERATION( 1 * 1360 ) | 1,360 | 800 | 800 | 0 | | 19.2 | 800 |
| Total OTHERs | 1,360 | 800 | 800 | | | 19.2 | 800 |
| Total UP | 16,918 | 8,679 | 9,656 | | | 184.13 | 7,672 |

| UTTARAKHAND | | | | | | | |
|---|---|---|---|---|---|---|---|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| TOTAL GAS UK( 1 * 450 ) | 450 | 285 | 298 | 299 | 04:00 | 6.01 | 250 |
| Total GAS/NAPTHA/DIESEL | 450 | 285 | 298 | | | 6.01 | 250 |
| OTHER HYDRO UK( 1 * 1250 ) | 1,250 | 653 | 618 | 691 | 00:00 | 15.45 | 644 |
| Total HYDEL | 1,250 | 653 | 618 | | | 15.45 | 644 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS( 1 * 127 ) | 127 | 30 | 31 | 31 | 08:00 | 0.72 | 30 |
| SOLAR( 1 * 100 ) | 100 | 0 | 0 | 103 | 12:00 | 0.86 | 36 |
| SMALL HYDRO( 1 * 180 ) | 180 | 0 | 0 | 0 | | | |
| Total SMALL HYDRO | 180 | 0 | 0 | | | 0 | 0 |
| Total UTTARAKHAND | 2,107 | 968 | 947 | | | 23.04 | 960 |

### 3(B) Regional Entities Generation

| Station/Constituents | Inst. Capacity | Declared Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | | AVG. MW | UI |
|---|---|---|---|---|---|---|---|---|---|---|
| | (MW) | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | | |
| **BBMB** | | | | | | | | | | |
| BHAKRA HPS( 2 * 108 + 3 * 126 + 5 * 157 ) | 1,379 | 614.61 | 1,157 | 434 | 1,157 | 19:00 | 14.75 | 14.8 | 617 | 0.05 |
| DEHAR HPS( 6 * 165 ) | 990 | 469.32 | 645 | 330 | 645 | 19:00 | 11.26 | 11.49 | 479 | 0.23 |
| PONG HPS( 6 * 66 ) | 396 | 20.34 | 132 | 0 | 132 | 19:00 | 0.49 | 0.51 | 21 | 0.02 |
| Sub-Total | 2,765 | 1,104.27 | 1,934 | 764 | - | - | 26.5 | 26.8 | 1,117 | 0.3 |
| **NHPC** | | | | | | | | | | |
| BAIRASIUL HPS( 3 * 60 ) | 180 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 |
| CHAMERA HPS( 3 * 180 ) | 540 | 536.2 | 543 | 324 | 551 | 14:30 | 10.7 | 10.72 | 447 | 0.02 |
| CHAMERA II HPS( 3 * 100 ) | 300 | 296.85 | 301 | 182 | 304 | 21:00 | 3.96 | 4.03 | 168 | 0.07 |
| CHAMERA III HPS( 3 * 77 ) | 231 | 232.12 | 236 | 155 | 236 | 19:00 | 2.54 | 2.51 | 105 | -0.03 |
| DHAULIGANGA HPS( 4 * 70 ) | 280 | 180.92 | 144 | 68 | 145 | 21:00 | 1.97 | 1.99 | 83 | 0.02 |
| DULHASTI HPS( 3 * 130 ) | 390 | 260 | 261 | 253 | 269 | 00:00 | 6.06 | 6.08 | 253 | 0.02 |
| KISHANGANGA( 2 * 110 ) | 220 | 225 | 249 | 221 | 257 | 06:00 | 5.4 | 5.41 | 225 | 0.01 |
| PARBATI III HEP( 4 * 130 ) | 520 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 |
| SALAL HPS( 6 * 115 ) | 690 | 474.22 | 440 | 570 | 575 | 15:00 | 11.38 | 11.65 | 485 | 0.27 |
| SEWA-II HPS( 3 * 40 ) | 120 | 125.62 | 132 | 130 | 132 | 19:00 | 3.02 | 3.04 | 127 | 0.02 |
| TANAKPUR HPS( 1 * 31.42 + 2 * 31.4 ) | 94 | 38.1 | 39 | 42 | 57 | 13:00 | 0.91 | 0.94 | 39 | 0.03 |
| URI HPS( 4 * 120 ) | 480 | 479.38 | 480 | 480 | 484 | 05:00 | 11.5 | 11.53 | 480 | 0.03 |
| URI-II HPS( 4 * 60 ) | 480 | 242.1 | 246 | 245 | 247 | 21:00 | 5.81 | 5.83 | 243 | 0.02 |
| Sub-Total | 4,525 | 3,090.51 | 3,071 | 2,670 | - | - | 63.25 | 63.73 | 2,655 | 0.48 |
| **NPCL** | | | | | | | | | | |
| NAPS( 2 * 220 ) | 440 | 396 | 431 | 439 | 446 | 07:00 | 9.5 | 9.57 | 399 | 0.07 |
| RAPS-B( 2 * 220 ) | 440 | 355 | 398 | 406 | 398 | 19:00 | 8.52 | 8.63 | 360 | 0.11 |
| RAPS-C( 2 * 220 ) | 440 | 210 | 233 | 235 | 238 | 02:00 | 5.04 | 4.92 | 205 | -0.12 |
| Sub-Total | 1,320 | 961 | 1,062 | 1,080 | - | - | 23.06 | 23.12 | 964 | 0.06 |
| **NTPC** | | | | | | | | | | |
| ANTA GPS( 1 * 153.2 + 3 * 88.71 ) | 419 | 404.71 | 0 | 0 | 0 | - | 0 | 0.02 | 1 | 0.02 |
| AURAIYA GPS( 2 * 109.3 + 4 * 111.19 ) | 663 | 639.84 | 0 | 0 | 0 | - | 0 | 0.03 | 1 | 0.03 |
| DADRI GPS( 2 * 154.51 + 4 * 130.19 ) | 830 | 379.17 | 227 | 226 | 318 | - | 5.43 | 5.37 | 224 | -0.06 |
| DADRI SOLAR( 1 * 5 ) | 5 | 1.02 | 0 | 0 | 3 | 11:56 | 0.02 | 0.02 | 1 | 0 |
| DADRI-I TPS( 4 * 210 ) | 840 | 768.6 | 515 | 421 | 515 | 19:00 | 10.18 | 10.36 | 432 | 0.18 |
| DADRI-II TPS( 2 * 490 ) | 980 | 464.27 | 305 | 276 | 305 | 19:00 | 6.41 | 6.77 | 282 | 0.36 |
| ISTPP (JHAJJAR)( 3 * 500 ) | 1,500 | 1,421.25 | 288 | 370 | 288 | 19:00 | 7.9 | 7.25 | 302 | -0.65 |
| KOLDAM HPS( 4 * 200 ) | 800 | 872 | 874 | 0 | 874 | 19:00 | 5.75 | 5.96 | 248 | 0.21 |
| RIHAND-I STPS( 2 * 500 ) | 1,000 | 922.5 | 985 | 946 | 985 | 19:00 | 20.25 | 20.83 | 868 | 0.58 |
| RIHAND-II STPS( 2 * 500 ) | 1,000 | 942.5 | 1,009 | 957 | 1,009 | 19:00 | 22.03 | 22.11 | 921 | 0.08 |
| RIHAND-III STPS( 2 * 500 ) | 1,000 | 942.5 | 971 | 930 | 971 | 19:00 | 19.83 | 20.86 | 869 | 1.03 |
| SINGRAULI STPS( 2 * 500 + 5 * 200 ) | 2,000 | 1,830 | 1,982 | 1,947 | 1,995 | 23:00 | 35.77 | 39.01 | 1,625 | 3.24 |
| SINGRAULI SOLAR( 1 * 15 ) | 15 | 2.97 | 0 | 0 | 0 | - | 0.07 | 0.08 | 3 | 0.01 |
| UNCHAHAR II TPS( 2 * 210 ) | 420 | 382.2 | 259 | 230 | 259 | 19:00 | 5.26 | 5.82 | 243 | 0.56 |
| UNCHAHAR III TPS( 1 * 210 ) | 210 | 191.1 | 132 | 119 | 132 | 19:00 | 2.63 | 2.83 | 118 | 0.2 |
| UNCHAHAR IV TPS( 1 * 500 ) | 500 | 471.25 | 359 | 275 | 359 | 19:00 | 6.89 | 7.35 | 306 | 0.46 |
| UNCHAHAR SOLAR( 1 * 10 ) | 10 | 2.48 | 0 | 0 | 0 | - | 0.06 | 0.05 | 2 | -0.01 |
| UNCHAHAR TPS( 2 * 210 ) | 420 | 382.2 | 250 | 233 | 250 | 19:00 | 5.22 | 5.73 | 239 | 0.51 |
| Sub-Total | 12,612 | 11,020.56 | 8,156 | 6,930 | - | - | 153.7 | 160.45 | 6,685 | 6.75 |
| **SJVNL** | | | | | | | | | | |
| NATHPA-JHAKRI HPS( 6 * 250 ) | 1,500 | 1,497.38 | 1,539 | 0 | 1,539 | 19:00 | 10.7 | 10.65 | 444 | -0.05 |
| RAMPUR HEP( 6 * 68.67 ) | 412 | 412.25 | 441 | 0 | 441 | 19:00 | 2.98 | 3.01 | 125 | 0.03 |
| Sub-Total | 1,912 | 1,909.63 | 1,980 | 0 | - | - | 13.68 | 13.66 | 569 | -0.02 |
| **THDC** | | | | | | | | | | |
| KOTESHWAR HPS( 4 * 100 ) | 400 | 136.21 | 310 | 92 | 310 | 19:00 | 3.27 | 3.3 | 138 | 0.03 |
| TEHRI HPS( 4 * 250 ) | 1,000 | 555 | 568 | 0 | 573 | 10:00 | 7.7 | 7.72 | 322 | 0.02 |
| Sub-Total | 1,400 | 691.21 | 878 | 92 | - | - | 10.97 | 11.02 | 460 | 0.05 |
| Total | 24,534 | 18,777.18 | 17,081 | 11,536 | | | 291.16 | 298.78 | 12,450 | 7.62 |

**IPP/JV**

| Station/Constituents | Inst. Capacity | Declared Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | | AVG. MW | UI |
|---|---|---|---|---|---|---|---|---|---|---|
| | (MW) | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | | |
| IPP | | | | | | | | | | |
| ADHPL(IPP) HPS( 2 * 96 ) | 192 | 0 | 74 | 0 | 82 | 22:00 | 1.05 | 0.83 | 35 | -0.22 |
| BUDHIL HPS (IPP)( 2 * 35 ) | 70 | 0 | 34 | 34 | 35 | 01:00 | 0.82 | 0.76 | 32 | -0.06 |
| KARCHAM WANGTOO HPS( 4 * 250 ) | 1,000 | 0 | 1,000 | 0 | 1,000 | 06:00 | 5.93 | 5.91 | 246 | -0.02 |
| MALANA2( 2 * 50 ) | 100 | 0 | 0 | 20 | 105 | 12:00 | 0.52 | 0.55 | 23 | 0.03 |
| SAINJ HEP( 2 * 50 ) | 50 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 |
| SHREE CEMENT (IPP) TPS( 2 * 150 ) | 300 | 0 | 290 | 177 | 295 | 21:00 | 5.55 | 5.46 | 228 | -0.09 |
| Sub-Total | 1,712 | 0 | 1,398 | 231 | - | - | 13.87 | 13.51 | 564 | -0.36 |
| Total | 1,712 | 0 | 1,398 | 231 | | | 13.87 | 13.51 | 564 | -0.36 |

| Summary Section | | | | | |
|---|---|---|---|---|---|
| | Inst. Capacity | PEAK | OFF-PEAK | Day Energy | Day AVG. |
| Total State Control Area Generation | 54,626 | 21,281 | 21,895 | 511.92 | 21,330 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | 5,961 | 5,270 | 145.67 | 8,631 |
| Total Regional Availability(Gross) | 80,872 | 45,721 | 38,932 | 969.88 | 42,973 |

| Total Hydro Generation | | | | | |
|---|---|---|---|---|---|
| | Inst. Capacity | PEAK | OFF-PEAK | Day Energy | Day AVG. |
| Regional Entities Hydro | 12,814 | 9,845 | 3,580 | 129.22 | 5,384 |
| State Control Area Hydro | 6,125 | 2,475 | 1,904 | 51.96 | 2,165 |
| Total Regional Hydro | 18,939 | 12,320 | 5,484 | 181.18 | 7,549 |

| Total Renewable Generation | | | | | |
|---|---|---|---|---|---|
| | Inst. Capacity | PEAK | OFF-PEAK | Day Energy | Day AVG. |
| Regional Entities Renewable | 30 | 0 | 0 | 0.15 | 6 |
| State Control Area Renewable | 9,214 | 721 | 756 | 46.32 | 1,930 |
| Total Regional Renewable | 9,244 | 721 | 756 | 46.47 | 1,936 |

**4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))**

| SL.No. | Element | 19:00 | 03:00 | Maximum Interchange (MW) | | Import in MU | Export in MU | NET |
|---|---|---|---|---|---|---|---|---|
| | | (MW) | MW | Import (MW) | Export (MW) | | | |
| Import/Export between EAST REGION and NORTH REGION | | | | | | | | |
| 1 | 132KV-Garhwa-Rihand | - | - | - | - | 0 | 0.61 | -0.61 |
| 2 | 132KV-Karmnasa(PG)-Sahupuri(U .. | - | - | - | - | 0.96 | 0 | 0.96 |
| 3 | 132KV-Rihand-Sonnagar(PG) | - | - | - | - | - | - | - |
| 4 | 220KV-Pusauli(PG)-Sahupuri(UP) | 123 | 158 | 168 | 0 | 3.65 | 0 | 3.65 |
| 5 | 400KV-Biharsharif(PG)-Balia(PG) | 224 | 180 | 273 | 0 | 4.84 | 0 | 4.84 |
| 6 | 400KV-Biharsharif(PG)-Varanasi(P.. | -4 | -26 | 180 | 0 | 2.19 | 0 | 2.19 |
| 7 | 400KV-Fatehpur(UP)-Sasaram | - | - | - | - | - | - | - |
| 8 | 400KV-Motihari(DMT)-Gorakhpur .. | 196 | 162 | 286 | 0 | 5.42 | 0 | 5.42 |
| 9 | 400KV-Muzaffarpur(PG)-Gorakhp .. | 394 | 550 | 802 | 0 | 11.42 | 0 | 11.42 |
| 10 | 400KV-Patna(PG)-Balia(PG) | 671 | 454 | 834 | 0 | 14.32 | 0 | 14.32 |
| 11 | 400KV-Sasaram-Allahabad(PG) | 8 | 14 | 42 | 0 | 0.52 | 0 | 0.52 |
| 12 | 400KV-Sasaram-Varanasi(PG) | 55 | -28 | 55 | 0 | 0.92 | 0 | 0.92 |
| 13 | 765KV-Fatehpur(PG)-Sasaram. | 91 | 44 | 260 | 0 | 3.6 | 0 | 3.6 |
| 14 | 765KV-Gaya(PG)-Balia(PG) | 183 | 152 | 215 | 0 | 3.7 | 0 | 3.7 |
| 15 | 765KV-Gaya(PG)-Varanasi(PG) | 74 | 143 | 374 | 0 | 5.69 | 0 | 5.69 |
| 16 | HVDC PUSAULI B/B | - | - | - | - | - | - | - |
| 17 | HVDC800KV-Alipurduar-Agra(PG) | - | - | - | - | - | - | - |
| Sub-Total EAST REGION | | 2,015 | 1,803 | 3,489 | 0 | 57.23 | 0.61 | 56.62 |
| Import/Export between NORTH_EAST REGION and NORTH REGION | | | | | | | | |
| 1 | HVDC800KV-BiswanathCharialli- .. | -700 | -700 | 0 | 700 | 0 | 16.38 | -16.38 |
| Sub-Total NORTH_EAST REGION | | -700 | -700 | 0 | 700 | 0 | 16.38 | -16.38 |
| Import/Export between WEST REGION and NORTH REGION | | | | | | | | |
| 1 | 220KV-Auraiya(NT)-Malanpur(PG) | -31 | -59 | - | 100 | 0 | 1.09 | -1.09 |
| 2 | 220KV-Badod(MP)-Modak(RJ) | - | - | - | - | - | - | - |
| 3 | 220KV-Ranpur-Bhanpur | 2 | 23 | 81 | - | 0.97 | 0 | 0.97 |
| 4 | 220KV-Ranpur-Modak | 34 | 53 | 110 | - | 1.62 | 0 | 1.62 |
| 5 | 400KV-RAPS C(NP)-Sujalpur | 148 | 120 | 196 | 20 | 2.68 | 0 | 2.68 |
| 6 | 400KV-Vindhyachal(PG)-Rihand(N .. | -922 | -884 | - | 957 | 0 | 20.86 | -20.86 |
| 7 | 400KV-Zerda(PG)-Bhinmal(PG) | 87 | -18 | 108 | 103 | 0.25 | 0 | 0.25 |
| 8 | 400KV-Zerda(PG)-Kankroli(RJ) | -40 | -110 | 0 | 197 | 0 | 2.69 | -2.69 |
| 9 | 765KV-0rai-Gwalior(PG) | -324 | -387 | 0 | 451 | 0 | 9.32 | -9.32 |
| 10 | 765KV-0rai-Jabalpur | 771 | 728 | 1,150 | 0 | 18.91 | 0 | 18.91 |
| 11 | 765KV-0rai-Satna | 1,168 | 1,064 | 1,291 | 0 | 27.01 | 0 | 27.01 |
| 12 | 765KV-Chittorgarh-Banaskata D/C | - | - | - | - | - | - | - |
| 13 | 765KV-Gwalior(PG)-Agra(PG) | 1,902 | 1,502 | 1,968 | 0 | 36.32 | 0 | 36.32 |
| 14 | 765KV-Phagi(RJ)-Gwalior(PG) | 303 | 587 | 814 | - | 14.1 | 0 | 14.1 |
| 15 | HVDC500KV-Mundra(JH)-Mohind.. | 1,198 | 1,198 | 1,602 | 0 | 29.86 | 0 | 29.86 |
| 16 | HVDC500KV-Vindhyachal(PG)-Vindhaychal B/B | -200 | -200 | 0 | 200 | 0 | 4.84 | -4.84 |
| 17 | HVDC800KV-Champa(PG)-Kuruks.. | 550 | 550 | 550 | 0 | 12.51 | 0 | 12.51 |
| Sub-Total WEST REGION | | 4,646 | 4,167 | 7,870 | 2,028 | 144.23 | 38.8 | 105.43 |
| TOTAL IR EXCHANGE | | 5,961 | 5,270 | 11,359 | 2,728 | 201.46 | 55.79 | 145.67 |

**4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU**

| | ISGS/(LT+MT) Schedule | BILT Schedule | PX Schedule | Total IR Schedule | Total IR Actual | NET IR UI |
|---|---|---|---|---|---|---|
| NR-ER | 56.1 | -26.82 | -0.15 | 29.13 | 56.62 | 27.49 |
| NR-WR | 144.55 | 14.86 | -32.97 | 126.44 | 105.43 | -21.01 |
| Total | 200.65 | -11.96 | -33.12 | 155.57 | 145.67 | -9.9 |

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

| Element | Peak | Off-Peak | Maximum Interchange(MW) | | Energy (MU) | | Net Energy |
|---|---|---|---|---|---|---|---|
| | MW | MW | Import | Export | Import | Export | (MU) |
| 132KV-Tanakpur(NH)-Mahendranagar(PG) | -27 | -25 | | 33 | | 0.6198 | -0.6198 |

**5.Frequency Profile**

| RANGE(Hz) | < 49.2 | < 49.7 | < 49.8 | < 49.9 | < 50.0 | >= 49.9 - <= 50.05 | > 50.05 - <= 50.1 | > 50.1 - <= 50.2 | > 50.2 | > 50.05 |
|---|---|---|---|---|---|---|---|---|---|---|
| % | 0 | .3 | 1.2 | 11.4 | 52.4 | 69 | 15.5 | 4.1 | .1 | 19.6 |

<----------Frequency (Hz)---------->

| Maximum | | Minimum | | Average | Freq Variation | Standard | Freq. in 15 mnt blk | | Freq Dev Index |
|---|---|---|---|---|---|---|---|---|---|
| Frequency | Time | Frequency | Time | Frequency | Index | Deviation | Max. | Min. | (% of Time) |
| 50.21 | 13:02:30 | 0 | 16:01:30 | 49.97 | 11.629 | 1.078 | 50.11 | 48.82 | 31 |

**6.Voltage Profile: 400kV**

| | Maximum | | Minimum | | Voltage (in %) | | | | Voltage Deviation Index |
|---|---|---|---|---|---|---|---|---|---|
| STATION | VOLTAGE | TIME | VOLTAGE | TIME | < 380 | < 390 | > 420 | > 430 | (% of time) |
| Abdullapur(PG) - 400KV | 425 | 02:20 | 407 | 18:55 | 0 | 0 | 18.06 | 0 | 18.06 |
| Amritsar(PG) - 400KV | | | | | 0 | 0 | 14.24 | 0 | 14.24 |
| Ballabgarh(PG) - 400KV | 423 | 02:20 | 408 | 19:30 | 0 | 0 | 18.06 | 0 | 18.06 |
| Bareilly II(PG) - 400KV | 420 | 08:00 | 401 | 19:20 | 0 | 0 | .69 | 0 | .69 |
| Bareilly(UP) - 400KV | 421 | 07:55 | 402 | 19:20 | 0 | 0 | 2.08 | 0 | 2.08 |
| Baspa(HP) - 400KV | | | | | 0 | 0 | 18.4 | 0 | 18.4 |
| Bassi(PG) - 400KV | 415 | 04:00 | 396 | 22:35 | 0 | 0 | 0 | 0 | 0 |
| Bawana(DTL) - 400KV | 428 | 02:20 | 410 | 18:55 | 0 | 0 | 41.32 | 0 | 41.32 |
| Dadri HVDC(PG). - 400KV | | | | | 0 | 0 | 32.29 | 0 | 32.29 |
| Gorakhpur(PG) - 400KV | | | | | 0 | 0 | 0 | 0 | 0 |
| Hisar(PG) - 400KV | 423 | 02:25 | 406 | 18:55 | 0 | 0 | 4.51 | 0 | 4.51 |
| Kanpur(PG) - 400KV | | | | | 0 | 0 | 2.08 | 0 | 2.08 |
| Kashipur(UT) - 400KV | | | | | 0 | 0 | 0 | 0 | 0 |
| Kishenpur(PG) - 400KV | | | | | 0 | 0 | 0 | 0 | 0 |
| Moga(PG) - 400KV | | | | | 0 | 0 | 0 | 0 | 0 |
| Nallagarh(PG) - 400KV | | | | | 0 | 0 | 18.4 | 0 | 18.4 |
| Rihand HVDC(PG) - 400KV | | | | | .35 | .35 | 0 | 0 | .35 |
| Rihand(NT) - 400KV | | | | | .35 | .35 | 0 | 0 | .35 |

**6.1 Voltage Profile: 765kV**

| | Maximum | | Minimum | | Voltage (in %) | | | | Voltage Deviation Index |
|---|---|---|---|---|---|---|---|---|---|
| STATION | VOLTAGE | TIME | VOLTAGE | TIME | < 728 | < 742 | > 800 | > 820 | (% of time) |
| Anta RS(RJ) - 765KV | 784 | 02:25 | 765 | 22:40 | 0 | 0 | 0 | 0 | 0 |
| Balia(PG) - 765KV | 785 | 07:55 | 750 | 19:20 | 0 | 0 | 0 | 0 | 0 |
| Bareilly II(PG) - 765KV | 799 | 07:55 | 763 | 19:20 | 0 | 0 | 0 | 0 | 0 |
| Bhiwani(PG) - 765KV | 800 | 02:20 | 776 | 18:55 | 0 | 0 | 0 | 0 | 0 |
| Fatehpur(PG) - 765KV | 775 | 08:00 | 747 | 19:20 | 0 | 0 | 0 | 0 | 0 |
| Jhatikara(PG) - 765KV | 801 | 02:35 | 771 | 19:20 | 0 | 0 | 1.04 | 0 | 1.04 |
| Lucknow II(PG) - 765KV | - | - | - | - | 0 | 0 | 0 | 0 | 0 |
| Meerut(PG) - 765KV | - | - | - | - | 0 | 0 | 1.74 | 0 | 1.74 |
| Moga(PG) - 765KV | - | - | - | - | 0 | 0 | 0 | 0 | 0 |
| Phagi(RJ) - 765KV | 794 | 02:25 | 770 | 19:20 | 0 | 0 | 0 | 0 | 0 |
| Unnao(UP) - 765KV | - | - | - | - | 0 | 17.71 | 0 | 0 | 0 |

**7(A). Short-Term Open Access Details:**

| State | Off- Peak Hours (03:00) | | | Peak Hours (19:00) | | | Day Energy (MU) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MW) | IEX (MW) | PXIL (MW) | ISGS /(LT+MT) Schedule | BILT Schedule | PX Schedule | Total (MU) |
| PUNJAB | -1,364.97 | 0 | 0 | -1,062.76 | 0 | 0 | 77.13 | -27.62 | 1.49 | 51 |
| HARYANA | 178.73 | -297.45 | 0 | 318.78 | 42.27 | 0 | 73.28 | 5.18 | -0.06 | 78.4 |
| RAJASTHAN | -130.02 | 15.58 | 0 | -130.02 | -89.06 | 0 | 67.73 | -3.12 | -6.49 | 58.11 |
| DELHI | -96.16 | -576.21 | 0 | -95.67 | -199.9 | 0 | 77.06 | -2.31 | -5.1 | 69.65 |
| UTTAR PRADESH | 811.22 | -113.77 | 0 | 626.61 | -83.64 | 0 | 118.15 | 16.03 | -6.42 | 127.76 |
| UTTARAKHAND | 191.2 | -456.37 | 0 | 191.2 | -185.93 | 0 | 13.04 | 4.59 | -7 | 10.62 |
| HIMACHAL PRADESH | -27.02 | -227.47 | 0 | -27.52 | -507 | 0 | 18.58 | -0.77 | -7.39 | 10.42 |
| JAMMU & KASHMIR | -33.34 | 0 | 0 | -33.34 | -13.33 | 0 | 32.85 | -0.8 | -0.25 | 31.8 |
| CHANDIGARH | 0 | -35.26 | 0 | 0 | -25.18 | 0 | 4.3 | 0 | -0.55 | 3.74 |
| TOTAL | -470.36 | -1,690.95 | 0 | -212.72 | -1,061.77 | 0 | 482.12 | -8.82 | -31.77 | 441.5 |

**7(B). Short-Term Open Access Details**

| State | ISGS/(LT+MT) Schedule | | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|---|---|---|---|---|---|---|---|---|
| | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| PUNJAB | 3,906.39 | 2,786.16 | -1,062.76 | -1,364.97 | 397.08 | 0 | 0 | 0 |
| HARYANA | 4,242.57 | 2,194.39 | 318.78 | 143.64 | 131.66 | -559.17 | 0 | 0 |
| RAJASTHAN | 3,748.33 | 1,988.31 | -130.02 | -130.02 | 292.49 | -1,620.8 | 0 | 0 |
| DELHI | 3,593.55 | 2,773.54 | -95.67 | -96.31 | 109.2 | -671.9 | 0 | 0 |
| UTTAR PRADESH | 6,703.39 | 3,391.94 | 811.22 | 527.47 | -73.87 | -1,218.89 | 0 | 0 |
| UTTARAKHAND | 895.06 | 316.51 | 191.2 | 191.2 | -159.18 | -456.37 | 0 | 0 |
| HIMACHAL PRADESH | 1,473.55 | 355.23 | -26.87 | -69.14 | 187.45 | -1,024.94 | 0 | 0 |
| JAMMU & KASHMIR | 1,697.54 | 1,141.45 | -33.34 | -33.34 | 0 | -13.33 | 0 | 0 |
| CHANDIGARH | 264.75 | 119.01 | 0 | 0 | 0 | -60.44 | 0 | 0 |

**8.Major Reservoir Particulars**

| RESERVOIR | Parameters | | Present Parameters | | LAST YEAR | | LAST DAY | |
|---|---|---|---|---|---|---|---|---|
| | MDDL (Mts) | FRL (Mts) | Level (Mts) | Energy (MU) | Level (Mts) | Energy (MU) | Inflow (m3/s) | Usage (m3/s) |
| Bhakra | 445.62 | 513.59 | 492.55 | 818 | 472.25 | 303 | 406.35 | 418.47 |
| Chamera-I | 748.75 | 760 | - | - | - | - | - | 0 |
| Gandhisagar | 295.78 | 295.78 | - | - | - | - | - | 0 |
| Jawahar Sagar | 295.78 | 298.7 | - | - | - | - | - | 0 |
| Koteshwar | 598.5 | 612.5 | - | - | - | - | - | 0 |
| Pong | 384.05 | 426.72 | 408.43 | 445 | 394.06 | 112 | 131.98 | 29.42 |
| RPS | 343.81 | 352.8 | - | - | - | - | - | 0 |
| RSD | 487.91 | 527.91 | 519.59 | 5 | 495.8 | 1 | 311.93 | 191.77 |
| Rihand | 252.98 | 268.22 | - | - | - | - | - | 0 |
| Tehri | 740.04 | 829.79 | 773 | 241 | 765.25 | 165 | 100.44 | 222 |
| TOTAL | - | - | - | 1,509 | - | 581 | 950.7 | 861.66 |

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

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

| | |
|---|---|
| WR | 0 |
| ER | 0 |
| Simultaneous | 0 |

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

| | |
|---|---|
| WR | 0 |
| ER | 0 |
| Simultaneous | 0 |

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

| | |
|---|---|
| Rihand-Dadri | 0 |

**10. Zero Crossing Violations**

| State | No. of violations(Maximum 15 in a day) | Maximum number of continuous blocks without sign change |
|---|---|---|
| CHANDIGARH | 9 | 23 |
| DELHI | 9 | 19 |
| HARYANA | 4 | 9 |
| HIMACHAL PRADESH | 0 | 6 |
| JAMMU & KASHMIR | 5 | 13 |
| PUNJAB | 2 | 11 |
| RAJASTHAN | 0 | 6 |
| UTTAR PRADESH | 1 | 10 |
| UTTARAKHAND | 5 | 17 |

**11.Significant events (If any):**

**12.Grid Disturbance / Any Other Significant Event:**

**13.Weather Conditions :**

**14.Synchronisation of new generating units :**

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

**16.Tripping of lines in pooling stations :**

**17.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.**

**Shift In Charge**