

Region

CHANDIGARH

Region

403.07

226

51,475

76.55

25.11

24.25

13.33

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

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

1. Regional Availability/Demand:

Date of Reporting:02-May-2019

| Γ | | 3 (/ 1 (/ 1 | | | 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 | |
| | 51,475 | 522 | 51,997 | 50.04 | 49,030 | 270 | 49,300 | 50.11 | 1,159 | 10.36 | |

| | | | State's Contro | ol Area Gen | eration (N | et MU) | | Drawal Sch | Act Drawal | UI | Requirement | Shortage | Consumption |
|---------------------|---------|-------|-----------------------|-------------|------------|---|--------|------------|------------|----------|-------------|----------|-------------|
| State | 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 | 41.52 | 17.8 | 0 | 3.7 | 0 | 2.55 | 65.56 | 71.2 | 68.71 | -2.49 | 134.27 | 0 | 134.27 |
| HARYANA | 37.59 | 0.97 | 0 | 0.14 | 0 | 0.97 | 39.68 | 114.41 | 115.52 | 1.11 | 155.2 | 0 | 155.2 |
| RAJASTHAN | 125.47 | 0 | 2.03 | 16.45 | 13.33 | 0.65 | 157.95 | 72.82 | 74.47 | 1.65 | 232.42 | 0 | 232.42 |
| DELHI | 0 | 0 | 16.52 | 0 | 0 | 1.21 | 17.73 | 97.34 | 96.47 | -0.87 | 114.2 | 0 | 114.2 |
| UTTAR PRADESH | 198.49 | 9.99 | 0 | 3.36 | 0 | 14.4 | 226.24 | 182.32 | 182.45 | 0.13 | 408.69 | 0 | 408.69 |
| UTTARAKHAND | 0 | 16.65 | 6.56 | 0.6 | 0 | 0.25 | 24.06 | 18.13 | 16.14 | -1.99 | 40.2 | 0 | 40.2 |
| HIMACHAL PRADESH | 0 | 10.66 | 0 | 0 | 0 | 8.73 | 19.39 | 5.13 | 6.33 | 1.2 | 25.72 | 0 | 25.72 |
| JAMMU & KASHMIR | 0 | 20.48 | 0 | 0 | 0 | 0 | 20.48 | 23.54 | 23.18 | -0.36 | 54.02 | 10.36 | 43.66 |
| CHANDIGARH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.6 | 5.14 | -0.46 | 5.14 | 0 | 5.14 |

2(B)State Demand Met (Peak and off-peak Hrs) Evening Peak (20:00) MW Off-Peak (03:00) MW STOA/PX Transaction STOA/PX Transaction State **Demand Met** Shortage(-)/Sur.. $Shortage(\hbox{--})/Surplus(\hbox{+-})$ UI **Demand Met** $\mathbf{U}\mathbf{I}$ PUNJAB 5,920 -89 -96 5,200 -146 -298 HARYANA 7,422 0 210 936 7,231 945 0 -65 RAJASTHAN -585 9,073 0 -9 9,423 0 -203 -82 493 DELHI 4,664 0 -104 4,890 0 51 641 UTTAR PRADESH 19,170 395 1,389 18,046 79 1,775 0 0 UTTARAKHAND 1,771 0 -141 267 1,664 0 -73 59 HIMACHAL PRADESH 0 -718 1,142 64 -1,163 865 $\mathbf{0}$ -173 JAMMU & KASHMIR 2,087 522 281 -531 1,531 270 -256 -516

-24

583

28.76

571.09

590.49

-86

624

588.41

180

49,030

-2.08

1,169.86

0

270

10.36

-42

-828

1,159.5

-45

1,761

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

0

522

| | Maximum Der | | onding shortage and re for the day | quirement details | Maximum | requiremen | t, corresponding shortage | e and demand deta | ils for the da | ay |
|-------------|-------------------------------------|-------|--|--|--------------------------------------|------------|---|---|----------------------|-------|
| State | 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 | 7,129 | 23:00 | 0 | 7,129 | 7,129 | 23:00 | 0 | 7,129 | 4,503 | 14:00 |
| HARYANA | 8,204 | 24:00 | 0 | 8,204 | 8,204 | 24:00 | 0 | 8,204 | 5,025 | 9:00 |
| RAJASTHAN | 10,482 | 16:00 | 0 | 10,482 | 10,482 | 16:00 | 0 | 10,482 | 8,414 | 19:00 |
| DELHI | 5,608 | 24:00 | 0 | 5,608 | 5,608 | 24:00 | 0 | 5,608 | 3,732 | 9:00 |
| UP | 19,643 | 21:00 | 0 | 19,643 | 19,643 | 21:00 | 0 | 19,643 | 15,233 | 8:00 |
| UTTARAKHAND | 1,771 | 20:00 | 0 | 1,771 | 1,771 | 20:00 | 0 | 1,771 | 1,442 | 24:00 |
| HP | 1,245 | 8:00 | 0 | 1,245 | 1,245 | 8:00 | 0 | 1,245 | 850 | 4:00 |
| J&K | 2,190 | 21:00 | 548 | 2,738 | 2,738 | 21:00 | 548 | 2,190 | 1,531 | 3:00 |
| CHANDIGARH | 264 | 15:00 | 0 | 264 | 264 | 15:00 | 0 | 264 | 172 | 4:00 |
| NR | 53,996 | 23:00 | 497 | 54,493 | 54,493 | 23:00 | 497 | 53,996 | 44,740 | 9:00 |

3(A) State Entities Generation:

| t(ii) state intities deneration | | | | | | | |
|---------------------------------|----------------|---------|-------------|----------|-----|------------|---------|
| CHANDIGARH | | | | | | | |
| | Inst. Capacity | N/A | N/A | Day Peal | ζ | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| NIL | • | | • | • | | | |
| Total | 0 | 0 | 0 | | | 0 | 0 |
| Total | 0 | 0 | 0 | | | 0 | 0 |

| DELHI | | | | | | | |
|---|----------------|---------|-------------|----------|-----|------------|---------|
| | Inst. Capacity | 20:00 | 03:00 | Day Peal | k | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| BADARPUR TPS(2 * 210 + 3 * 100) | 1,005 | 0 | 0 | 0 | | | |
| RAJGHAT TPS(2 * 67.5) | 135 | 0 | 0 | 0 | | | |
| Total THERMAL | 1,140 | 0 | 0 | | | 0 | 0 |
| BAWANA GPS(2 * 253 + 4 * 216) | 1,370 | 431 | 432 | 459 | | 10.41 | 434 |
| DELHI GAS TURBINES(3 * 34 + 6 * 30) | 282 | 77 | 80 | 80.48 | | 1.81 | 75 |
| PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6) | 452 | 264 | 148 | 263.7 | | 4.31 | 180 |
| RITHALA GPS(3*36) | 108 | 0 | 0 | 0 | | | |
| Total GAS/NAPTHA/DIESEL | 2,212 | 772 | 660 | | | 16.53 | 689 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(16) | 16 | 44 | 34 | 44.4 | | 1.21 | 50 |
| SOLAR(2) | 2 | 0 | 0 | 0 | | | |
| Total DELHI | 3,370 | 816 | 694 | | | 17.74 | 739 |

| | Inst. Capacity | 20:00 | 03:00 | Day P | eak | Day Energy | |
|--|----------------|---------|-------------|-------|-------|------------|---------|
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| DCRTPP (YAMUNA NAGAR)(2 * 300) | 600 | 504 | 533 | 571 | 00:00 | 11.46 | 478 |
| JHAJJAR(CLP)(2 * 660) | 1,320 | 511 | 744 | 1,013 | 01:00 | 16.48 | 687 |
| MAGNUM DIESEL (IPP)(4 * 6.3) | 25 | 0 | 0 | 0 | | | |
| PANIPAT TPS(2 * 210 + 2 * 250) | 920 | 407 | 416 | 446 | 00:00 | 9.66 | 403 |
| RGTPP(KHEDAR)(2 * 600) | 1,200 | 0 | 0 | 0 | | | |
| Total THERMAL | 4,065 | 1,422 | 1,693 | | | 37.6 | 1,568 |
| FARIDABAD GPS(1 * 156.07 + 2 * 137.75) | 432 | 0 | 0 | 0 | | | |
| Total GAS/NAPTHA/DIESEL | 432 | 0 | 0 | | | 0 | 0 |
| TOTAL HYDRO HARYANA(64.8) | 65 | 30 | 31 | 37 | 13:00 | 0.97 | 40 |
| Total HYDEL | 65 | 30 | 31 | | | 0.97 | 40 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(106) | 106 | 0 | 0 | 0 | | 0.97 | 40 |
| SOLAR(55.8) | 56 | 0 | 0 | 0 | | 0.14 | 6 |
| Total HARYANA | 4,724 | 1,452 | 1,724 | | | 39.68 | 1,654 |

| HIMACHAL PRADESH | | | | | | | |
|----------------------------|----------------|---------|-------------|---------|-----|------------|---------|
| | Inst. Capacity | 20:00 | 03:00 | Day Pea | k | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| BASPA (IPP) HPS(3 * 100) | 300 | 127 | 59 | 0 | | 3.14 | 131 |
| MALANA (IPP) HPS(2 * 43) | 86 | 65 | 38 | 0 | | 1.05 | 44 |
| OTHER HYDRO HP(372) | 372 | 316 | 281 | 0 | | 6.47 | 270 |
| Total HYDEL | 758 | 508 | 378 | | | 10.66 | 445 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS | 0 | 0 | 0 | 0 | | | |
| SOLAR | 0 | 0 | 0 | 0 | | | |
| SMALL HYDRO(486) | 486 | 385 | 336 | 0 | | 8.73 | 364 |
| Total SMALL HYDRO | 486 | 385 | 336 | | | 8.73 | 364 |
| Total HP | 1,244 | 893 | 714 | | | 19.39 | 809 |

| JAMMU & KASHMIR | | | | | | | |
|----------------------------------|----------------|---------|-------------|----------|-----|------------|---------|
| | Inst. Capacity | 20:00 | 03:00 | Day Peal | k | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| 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 | 736 | 736 | 0 | | 17.5 | 729 |
| OTHER HYDRO/IPP J&K(308) | 308 | 137 | 97 | 0 | | 2.98 | 124 |
| Total HYDEL | 1,208 | 873 | 833 | | | 20.48 | 853 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS | 0 | 0 | 0 | 0 | | | |
| SOLAR | 0 | 0 | 0 | 0 | | | |
| SMALL HYDRO(98) | 98 | 0 | 0 | 0 | | | |
| Total SMALL HYDRO | 98 | 0 | 0 | | | 0 | 0 |
| Total J&K | 1,496 | 873 | 833 | | | 20.48 | 853 |

| PUNJAB | | | | | | | |
|---|----------------|---------|-------------|----------|-----|------------|---------|
| | Inst. Capacity | 20:00 | 03:00 | Day Peal | ζ. | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| GOINDWAL(GVK)(2 * 270) | 540 | 0 | 0 | 0 | | | |
| GURU GOBIND SINGH TPS (ROPAR)(6 * 210) | 1,260 | 0 | 0 | 0 | | -0.09 | -4 |
| GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250) | 920 | 0 | 0 | 0 | | -0.09 | -4 |
| GURU NANAK DEV TPS (BHATINDA)(4 * 110) | 440 | 0 | 0 | 0 | | -0.01 | 0 |
| RAJPURA(NPL) TPS(2 * 700) | 1,400 | 660 | 683 | 1,320 | | 19 | 792 |
| TALWANDI SABO TPS(3 * 660) | 1,980 | 924 | 924 | 1,425 | | 22.71 | 946 |
| Total THERMAL | 6,540 | 1,584 | 1,607 | | | 41.52 | 1,730 |
| TOTAL HYDRO PUNJAB(1000) | 1,000 | 779 | 594 | 869 | | 17.8 | 742 |
| Total HYDEL | 1,000 | 779 | 594 | | | 17.8 | 742 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(303) | 303 | 0 | 0 | 0 | | 2.55 | 106 |
| SOLAR(859) | 859 | 0 | 0 | 540 | | 3.7 | 154 |
| Total PUNJAB | 8,702 | 2,363 | 2,201 | | | 65.57 | 2,732 |

| RAJASTHAN | | | | | | | |
|---|----------------|---------|-------------|---------|-----|------------|---------|
| | Inst. Capacity | 20:00 | 03:00 | Day Pea | ık | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| BARSINGSAR (IPP) LTPS(2 * 125) | 250 | 91 | 83 | 0 | | 2 | 83 |
| CHHABRA TPS(1 * 660 + 4 * 250) | 1,660 | 1,433 | 1,317 | 0 | | 31.45 | 1,310 |
| GIRAL (IPP) LTPS(2 * 125) | 250 | 0 | 0 | 0 | | | |
| KALISINDH TPS(2 * 600) | 1,200 | 520 | 520 | 0 | | 11.79 | 491 |
| KAWAI TPS(2 * 660) | 1,320 | 1,056 | 1,176 | 0 | | 22.14 | 923 |
| KOTA TPS(2 * 110 + 2 * 195 + 3 * 210) | 1,240 | 1,053 | 970 | 0 | | 22.64 | 943 |
| RAJWEST (IPP) LTPS(8 * 135) | 1,080 | 645 | 635 | 0 | | 13.31 | 555 |
| SURATGARH TPS (6 * 250) | 1,500 | 740 | 903 | 0 | | 19.56 | 815 |
| VSLPP (IPP)(1 * 135) | 135 | 109 | 109 | 0 | | 2.59 | 108 |
| Total THERMAL | 8,635 | 5,647 | 5,713 | | | 125.48 | 5,228 |
| DHOLPUR GPS(3*110) | 330 | 0 | 0 | 0 | | | |
| RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5) | 271 | 83 | 83 | 0 | | 2.03 | 85 |
| Total GAS/NAPTHA/DIESEL | 601 | 83 | 83 | | | 2.03 | 85 |
| RAPS-A(1 * 100 + 1 * 200) | 300 | 0 | 0 | 0 | | | |
| Total NUCLEAR | 300 | 0 | 0 | | | 0 | 0 |
| TOTAL HYDRO RAJASTHAN(550) | 550 | 0 | 0 | 0 | | | |
| Total HYDEL | 550 | 0 | 0 | | | 0 | 0 |
| WIND | 4,292 | 225 | 753 | 0 | | 13.33 | 555 |
| BIOMASS(102) | 102 | 27 | 27 | 0 | | 0.65 | 27 |
| SOLAR(3045) | 3,045 | 1 | 0 | 0 | | 16.45 | 685 |
| Total RAJASTHAN | 17,525 | 5,983 | 6,576 | | | 157.94 | 6,580 |

| | Inst. Capacity | 20:00 | 03:00 | Day Pe | eak | Day Energy | |
|--|----------------|---------|-------------|--------|-----|------------|---------|
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MV |
| ANPARA TPS(2 * 500 + 3 * 210) | 1,630 | 1,340 | 1,405 | 0 | | 34.15 | 1,423 |
| ANPARA-C TPS(2 * 600) | 1,200 | 833 | 1,082 | 0 | | 24.72 | 1,030 |
| ANPARA-D TPS(2 * 500) | 1,000 | 940 | 943 | 0 | | 21.44 | 893 |
| BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45 | 450 | 40 | 22 | 0 | | 0.64 | 27 |
| BARA PPGCL TPS(3 * 660) | 1,980 | 1,036 | 1,021 | 0 | | 22.89 | 954 |
| HARDUAGANJ TPS(1 * 105 + 1 * 60 + 2 * 250) | 665 | 440 | 440 | 0 | | 9.44 | 393 |
| LALITPUR TPS(3 * 660) | 1,980 | 1,841 | 1,030 | 0 | | 27.14 | 1,131 |
| MEJA TPS(1 * 660) | 660 | 399 | 385 | 0 | | 9.27 | 386 |
| DBRA TPS (2 * 94 + 5 * 200) | 1,188 | 471 | 473 | 0 | | 11.95 | 498 |
| PANKI TPS(2 * 105) | 210 | 0 | 0 | 0 | | | |
| PARICHA TPS(2 * 110 + 2 * 210 + 2 * 250) | 1,380 | 599 | 606 | 0 | | 13.33 | 555 |
| ROSA TPS(4 * 300) | 1,200 | 1,028 | 577 | 0 | | 18.23 | 760 |
| TANDA TPS(4 * 110) | 440 | 251 | 162 | 0 | | 5.3 | 221 |
| Total THERMAL | 13,983 | 9,218 | 8,146 | | | 198.5 | 8,271 |
| ALAKHANDA HEP(4 * 82.5) | 330 | 165 | 164 | 0 | | 3.92 | 163 |
| VISHNUPARYAG HPS(4 * 110) | 440 | 198 | 197 | 0 | | 4.9 | 204 |
| OTHER HYDRO UP(527) | 527 | 69 | 44 | 0 | | 1.17 | 49 |
| Fotal HYDEL | 1,297 | 432 | 405 | | | 9.99 | 416 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(26) | 26 | 0 | 0 | 0 | | | |
| SOLAR(798) | 798 | 0 | 0 | 0 | | 3.36 | 140 |
| CO-GENERATION(1360) | 1,360 | 600 | 600 | 0 | | 14.4 | 600 |
| Total OTHERs | 1,360 | 600 | 600 | | | 14.4 | 600 |
| Total UP | 17,464 | 10,250 | 9,151 | | | 226.25 | 9,427 |

| UTTARAKHAND | | | | | | | |
|-------------------------|----------------|---------|-------------|--------|-------|------------|---------|
| | Inst. Capacity | 20:00 | 03:00 | Day Po | eak | Day Energy | |
| Station/Constituents | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | AVG. MW |
| TOTAL GAS UK(450) | 450 | 266 | 268 | 271 | 23:00 | 6.56 | 273 |
| Total GAS/NAPTHA/DIESEL | 450 | 266 | 268 | | | 6.56 | 273 |
| OTHER HYDRO UK(1250) | 1,250 | 707 | 670 | 744 | 10:00 | 16.65 | 694 |
| Total HYDEL | 1,250 | 707 | 670 | | | 16.65 | 694 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(127) | 127 | 8 | 11 | 12 | 09:00 | 0.25 | 10 |
| SOLAR(100) | 100 | 0 | 0 | 91 | 12:00 | 0.6 | 25 |
| SMALL HYDRO(180) | 180 | 0 | 0 | 0 | | | |
| Total SMALL HYDRO | 180 | 0 | 0 | | | 0 | 0 |
| Total UTTARAKHAND | 2,107 | 981 | 949 | | | 24.06 | 1.002 |

| 3(B) Regional Entities Genera | tion | | | | | | | | | |
|--|-------------------|-------------------|------------|----------------|------------|----------------|---------------|---------------|------------|-------|
| | Inst. Capacity | Declared Capacity | 20:00 | 03:00 | Day | Peak | Da | y Energy | | |
| Station/Constituents | (MW) | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | AVG. MW | UI |
| Aravali Power Company Privat | e Ltd | <u> </u> | I | 1 | | 1 | 1 | | | |
| ISTPP (JHAJJAR)(3 * 500) | 1,500 | 942.5 | 277 | 275 | 321 | 02:15 | 6.22 | 6.2 | 258 | -0.02 |
| Sub-Total | 1,500 | 942.5 | 277 | 275 | - | - | 6.22 | 6.2 | 258 | -0.02 |
| ВВМВ | | | | l | | | 1 | | | |
| BHAKRA HPS(2 * 108 + 3 * 126 | 1,379 | 844.5 | 1,268 | 559 | 1,268 | 20:00 | 20.27 | 20.32 | 847 | 0.05 |
| + 5 * 157) | | | , | 1 | | | 1 | | | |
| DEHAR HPS(6 * 165) PONG HPS(6 * 66) | 990 396 | 607.92 118.38 | 645 | 645 | 645 192 | 20:00 | 14.59 2.84 | 14.79 2.87 | 616 120 | 0.2 |
| Sub-Total | 2,765 | 1,570.8 | 2,105 | 1,270 | 192 | 20:00 | 37.7 | 37.98 | 1,583 | 0.03 |
| | 2,705 | 1,5/0.6 | 2,105 | 1,2/0 | - | - | 31.1 | 31.96 | 1,565 | 0.28 |
| NHPC | | | I | | | | 1 | | | |
| BAIRASIUL HPS(3 * 60) | 180 | 0 | 0 | 0 | 0 | - | 0 | - | | 0 |
| CHAMERA HPS(3*180) | 540 | 536.2 | 534 | 498 | 548 | 03:30 | 12.8 | 12.7 | 529 | -0.1 |
| CHAMERA II HPS(3 * 100) | 300 | 299.35 | 303 | 301 | 307 | 00:00 | 6.61 | 6.62 | 276 | 0.01 |
| CHAMERA III HPS(3*77) | 231 | 203.67 | 228 | 234 | 234 | 01:00 | 4.87 | 4.81 | 200 | -0.06 |
| DIJI HASTI HBS(3 * 120) | 280 390 | 281.38 311.25 | 271 315 | 139 307 | 286 326 | 19:00 23:00 | 3.9 7.47 | 3.91 7.44 | 163 310 | -0.03 |
| DULHASTI HPS(3 * 130) KISHANGANGA(3 * 110) | 390 | 311.25 102.5 | 103 | 106 | 326 110 | 13:00 | 2.46 | 2.45 | 102 | -0.03 |
| PARBATI III HEP(4 * 130) | 520 | 70.56 | 71 | 220 | 354 | 06:15 | 1.69 | 1.7 | 71 | 0.01 |
| SALAL HPS(6 * 115) | 690 | 662.55 | 594 | 703 | 707 | 17:00 | 15.9 | 15.7 | 654 | -0.2 |
| SEWA-II HPS(3*40) | 120 | 125.62 | 133 | 126 | 133 | 20:00 | 3.02 | 3.01 | 125 | -0.2 |
| TANAKPUR HPS(1 * 31.42 + 2 * | 94 | 67.45 | 74 | 69 | 75 | 10:00 | 1.62 | 1.64 | 68 | 0.02 |
| 31.4) | | | | ! | | 1 | ! | | | |
| URI HPS(4 * 120) | 480 | 478.65 | 480 | 480 | 484 | 12:00 | 11.49 | 11.47 | 478 | -0.02 |
| URI-II HPS(4 * 60) | 720 | 240.92 | 245 | 243 | 245 | 20:00 | 5.78 | 5.81 | 242 | 0.03 |
| Sub-Total | 4,875 | 3,380.1 | 3,351 | 3,426 | - | - | 77.61 | 77.26 | 3,218 | -0.35 |
| NPCL | | | | | | | | | | |
| NAPS(2 * 220) | 440 | 388 | 426 | 430 | 436 | 07:00 | 9.31 | 9.26 | 386 | -0.05 |
| RAPS-B(2 * 220) | 440 | 348 | 389 | 391 | 397 | 06:00 | 8.35 | 8.36 | 348 | 0.01 |
| RAPS-C(2 * 220) | 440 | 415 | 461 | 465 | 465 | 08:00 | 9.96 | 9.97 | 415 | 0.01 |
| Sub-Total | 1,320 | 1,151 | 1,276 | 1,286 | • | - | 27.62 | 27.59 | 1,149 | -0.03 |
| NTPC | | | | _ | | | | | | |
| ANTA GPS(1 * 153.2 + 3 * 88.71) | 419 | 147.78 | 213 | 233 | 242 | 05:45 | 4.52 | 4.47 | 186 | -0.05 |
| AURAIYA GPS(2 * 109.3 + 4 * 111.19) | 663 | 636.88 | 0 | 0 | 0 | - | 0 | - | - | 0 |
| DADRI GPS(2 * 154.51 + 4 * 130.19) | 830 | 250.62 | 226 | 340 | 372 | - | 6.44 | 6.32 | 263 | -0.12 |
| DADRI SOLAR(1*5) | 5 | 1.01 | 0 | 0 | 3 | 13:13 | 0.02 | 0.02 | 1 | 0 |
| DADRI-I TPS(4 * 210) | 840 | 768.6 | 422 | 422 | 422 | 20:00 | 10.15 | 10.19 | 425 | 0.04 |
| DADRI-II TPS(2 * 490) | 980 | 928.55 | 510 | 510 | 510 | 20:00 | 12.26 | 12.22 | 509 | -0.04 |
| KOLDAM HPS(4 * 200) | 800 | 872 | 853 | 482 | 873 | 19:00 | 10 | 9.79 | 408 | -0.21 |
| RIHAND-I STPS(2 * 500) | 1,000 | 902.89 | 992 | 857 | 992 | 20:00 | 21.67 | 21.96 | 915 | 0.29 |
| RIHAND-II STPS(2*500) | 1,000 | 942.5 | 987 | 1,001 | 987 | 20:00 | 22.62 | 21.82 | 909 | -0.8 |
| RIHAND-III STPS(2 * 500) | 1,000 | 942.5 | 972 | 996 | 972 | 20:00 | 22.62 | 22.51 | 938 | -0.11 |
| SINGRAULI STPS(2 * 500 + 5 * 200) | 2,000 | 1,675 | 1,780 | 1,799 | 1,780 | 20:00 | 39.98 | 39.76 | 1,657 | -0.22 |
| SINGRAULI SOLAR(1 * 15) | 15 | 2.81 | 0 | 0 | 0 | - | 0.07 | 0.08 | 3 | 0.01 |
| UNCHAHAR II TPS(2 * 210) | 420 | 300 | 233 | 247 | 233 | 20:00 | 5.17 | 5.32 | 222 | 0.15 |
| UNCHAHAR III TPS(1 * 210) | 210 | 191.1 | 132 | 116 | 132 | 20:00 | 2.67 | 2.7 | 113 | 0.03 |
| UNCHAHAR IV TPS(1 * 500) | 500 | 471.25 | 299 | 284 | 299 | 20:00 | 6.65 | 6.59 | 275 | -0.06 |
| UNCHAHAR SOLAR(1 * 10) | 10 | 2.06 | 0 | 0 | 0 | - | 0.05 | 0.05 | 2 | 0 |
| UNCHAHAR TPS(2 * 210) | 420 | 382.2 | 242 | 230 | 242 | 20:00 | 5.3 | 5.3 | 221 | 0 |
| Sub-Total | 11,112 | 9,417.75 | 7,861 | 7,517 | - | - | 170.19 | 169.1 | 7,047 | -1.09 |
| SJVNL | | | | • | | • | | | | |
| NATHPA-JHAKRI HPS(6 * 250 | 1,500 | 1,497.38 | 1,463 | 1,039 | 1,505 | 19:00 | 24.5 | 23.9 | 996 | -0.6 |
| RAMPUR HEP(6 * 68.67) | 412 | 412.25 | 393 | 295 | 436 | 19:00 | 6.78 | 6.8 | 283 | 0.02 |
| Sub-Total | 1,912 | 1,909.63 | 1,856 | 1,334 | - | 17.00 | 31.28 | 30.7 | 1,279 | -0.58 |
| | 1,714 | 1,707.03 | 1,000 | 1,007 | | | 31,20 | 30.7 | 1,217 | -0.50 |
| THDC | 400 | 1710 | 140 | 0.2 | 440 | 20.60 | 1 25 | 2.00 | 1.50 | 0.05 |
| KOTESHWAR HPS(4 * 100) | 400 | 154.27 | 410 | 93 | 410 | 20:00 | 3.7 | 3.68 | 153 | -0.02 |
| TEHRI HPS(4 * 250) | 1,000 | 490 | 488 | 489 | 496 | 17:00 | 7.83 | 7.73 | 322 | -0.1 |

Sub-Total

Total

1,400

24,884

644.27

19,016.05

898

17,624

582

15,690

11.53

362.15

11.41

360.24

475

15,009

-0.12

-1.91

| PP/JV | |
|-------|--|
|-------|--|

| | | Y4 | | | | | | | | | | |
|--|--|---|--|---|---|---|---|---|--------------|---|---|--|
| | | Inst. Capacity | Declared C | apacity | 20:00 | 03:00 | Day | Peak | Da | y Energy | | |
| Station/Constitu | uents | (MW) | (MW |) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | AVG. MW | UI |
| IPP | | | | | | | | | () | | | |
| ADHPL(IPP) HPS | S(2*96) | 192 | 0 | | 114 | 51 | 124 | 21:00 | 2.29 | 1.74 | 73 | -0.55 |
| BUDHIL HPS (IPI | ` ′ | 70 | 0 | | 69 | 59 | 70 | 23:00 | 1.14 | 1.05 | 44 | -0.09 |
| KARCHAM WANG | TOO HPS(4 | 1,000 | 0 | | 1,000 | 470 | 1,000 | 19:00 | 13.51 | 13.14 | 548 | -0.37 |
| * 250) MALANA2(2 | * 50) | 100 | 0 | | 105 | 50 | 105 | 22:00 | 0.99 | 1.05 | 44 | 0.06 |
| SAINJ HEP(2 | | 100 | 0 | | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 |
| SHREE CEMENT (I | | 300 | 0 | | 280 | 233 | 281 | 19:00 | 5.91 | 5.81 | 242 | -0.1 |
| Sub-Total | <u> </u> | 1,762 | 0 | | 1,568 | 863 | _ | _ | 23.84 | 22.79 | 951 | -1.05 |
| SOLAR IPP | | , - | | | 7 | | | | | | | |
| AZURE POWER I | | 200 | _ | | 0 | 0 | 85 | 12:45 | - | 0.6 | 25 | 0.6 |
| LTD.(4 * 5 RENEW SOLAR PO | | 50 | _ | l | 0 | 0 | 40 | 12:25 | | 0.03 | 1 | 0.03 |
| LTD(50 SB ENERGY FOUR |) | | - | | · | | | 12,23 | | 0.03 | | |
| * 100) | T V I EID(2 | 200 | - | | 0 | 0 | 0 | - | - | - | - | 0 |
| Sub-Total | | 450 | 0 | | 0 | 0 | • | • | 0 | 0.63 | 26 | 0.63 |
| Total | | 2,212 | 0 | | 1,568 | 863 | | | 23.84 | 23.42 | 977 | -0.42 |
| Summary Section | | | | | | • | | | | | • | |
| | | | Inst. Cap | | PEAK | | OFF-PEAK | | ļ | ay Energy | | y AVG. |
| Total State Control A | | | 56,63 | 2 | 23,611 | | 22,842 | | | 571.11 | 2. | 3,796 |
| J. Net Inter Regional (+ve)/Export (-ve)] | Exchange [Im] | port | | | 8,819 | | 10,085 | | | 215.11 | 1 | 1,170 |
| Total Regional Availa | bility(Gross) | | 83,72 | 8 | 51,622 | | 49,480 | | | 1,169.88 | 5 | 0,952 |
| Total Hydro Generati | ion | | ! | • | | ! | | | | | ! | |
| Total Hydro Generali | | | Inst. Cap | acity | PEAK | | OFF-PEAK | | Da | ay Energy | Day | y AVG. |
| Regional Entities Hyd | lro | | 13,21 | 4 | 10,351 | | 7,724 | | | 184.12 | 7 | 7,672 |
| State Control Area H | ydro | | 6,128 | 3 | 3,329 | | 2,911 | | | 76.55 | 3 | 3,190 |
| Total Regional Hydro |) | | 19,34 | 2 | 13,680 | | 10,635 | | | 260.67 | 1 | 0,862 |
| Total Renewable Gen | eration | | | • | | • | | | | | • | |
| Total Renewable dell | | | Inst. Cap | acity | PEAK | | OFF-PEAK | | Da | ay Energy | Day | y AVG. |
| Regional Entities Ren | ewable | | 480 | | 0 | | 0 | | | 0.78 | | 32 |
| State Control Area Ro | enewable | | 10,59 | 6 | 690 | | 1,161 | | 51.94 | | 2 | 2,164 |
| Total Regional Renew | vable | | 11,07 | 6 | 690 | | 1,161 | | | 52.72 | 2 | 2,196 |
| 4(A) INTER-REGI | ONAL EXC | HANGES | (Import=(+ve) / | Export =(-ve)) | | • | | | | | • | |
| | | | | 20:00 | 03:00 | N | Aaximum Inter | change (MW) | | | | |
| SL.No. | | Element | | (MW) | MW | Impor | t (MW) | Export (N | MW) | Import in MU | Export in MU | NET |
| | | | | Import/Export | between EAST REGIO | N and NORT | TH REGION | | | | | |
| 1 | | V-Garhwa | | - | - | | - | - | | - | - | - |
| 2 | | |)-Sahupuri(U | - | - | | • | - | | - | - | - |
| 3 | | | nnagar(PG) | -201 | 107 | | - | - | | - | - | - |
| 5 | | Sann(P(+)-3 | | | -195 | | 203 | 0 | | 4.03 | | |
| | | | Sahupuri(UP) | | | | 60 | Δ | | ļ | 0 | 4.03 |
| 7 | 400KV-Riba | narsharif(P | PG)-Balia(PG) | 342 | 501 | | 668 | 0 | | 9.66 | 0 | 9.66 |
| | | narsharif(P nrsharif(PC | PG)-Balia(PG) G)-Varanasi(P | | | | - | - | | ļ | | |
| | 400KV-F | narsharif(P arsharif(PC atehpur(U | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram | | 501 | 5 | - | - | | ļ | 0 | |
| | 400KV-F 400KV-Moti | narsharif(Porsharif(Po Tatehpur(U ihari(DMT | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram ')-Gorakhpur | 342 | 501 | 3 | - | - | | 9.66 | 0 - | 9.66 |
| | 400KV-F 400KV-Moti 400KV-Muz | narsharif(Po arsharif(PO Tatehpur(U ihari(DMT zaffarpur(F | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram | 342 - - 98 | 501 - - 294 | 3 1, | | - 0 | | 9.66 | 0 - - 0 | 9.66 - - 5.29 |
| 9 | 400KV-F 400KV-Moti 400KV-Muz 400KV- | narsharif(P Arsharif(PC Catehpur(U Ari(DMT) Caffarpur(F Patna(PG) | PG)-Balia(PG) S)-Varanasi(P P)-Sasaram S)-Gorakhpur PG)-Gorakhp | 342 - - - 98 598 | 501 - - 294 990 | 3 1, 1, | - - - - - - - - - - - - - - - - - - - | - - 0 | | 9.66 - - 5.29 22.11 | 0 - - 0 | 9.66 - - 5.29 22.11 |
| 9 | 400KV-F 400KV-Moti 400KV-Muz 400KV- 400KV-Sa | narsharif(P Arsharif(PC Tatehpur(U ihari(DMT Caffarpur(F Patna(PG) asaram-All | 'G)-Balia(PG) G)-Varanasi(P P)-Sasaram S)-Gorakhpur PG)-Gorakhp -Balia(PG) | 342 - - 98 598 554 | 501 - - 294 990 900 | 3 1, | - - 332 144 013 | 0 0 | | 9.66 - - 5.29 22.11 17.14 | 0 - - 0 0 | 9.66 - - 5.29 22.11 17.14 |
| 9 10 11 | 400KV-F 400KV-Moti 400KV-Muz 400KV-S 400KV-S 400KV-S | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All tasaram-V atehpur(PC | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram T)-Gorakhpur PG)-GorakhpBalia(PG) lahabad(PG) aranasi(PG) G)-Sasaram. | 342 - - 98 598 554 -2 | 501 - - 294 990 900 6 | 3 1, 1, | - - 332 144 013 | - 0 0 0 31 | | 9.66 - 5.29 22.11 17.14 0 | 0 - - 0 0 0 0 | 9.66 - - 5.29 22.11 17.14 -0.28 |
| 9 10 11 12 13 14 | 400KV-F 400KV-Moti 400KV-Muz 400KV-S 400KV-S 765KV-F 765KV-F | narsharif(PC Tatehpur(U Tatehpur(U Tathari(DMT Taffarpur(F Patna(PG) Tasaram-All Tasaram-V Tasaram-V Taya(PG) | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram P)-Gorakhpur PG)-GorakhpBalia(PG) lahabad(PG) aranasi(PG) G)-SasaramBalia(PG) | 342 - - 98 598 554 -2 -45 -20 127 | 501 - 294 990 900 6 -55 244 191 | 3 1, 1, 3 | - - - | - 0 0 0 0 31 | | 9.66 5.29 - 22.11 - 17.14 - 0 - 1.36 - 5.18 - 3.59 | 0 - 0 0 0 0.28 0 | 9.66 5.29 - 22.11 - 17.14 -0.28 - 1.36 - 5.18 - 3.59 |
| 9 10 11 12 13 14 15 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-S 765KV-F 765KV-F | narsharif(PC Tatehpur(U Tatehpur(U Tathari(DMT Taffarpur(F Patna(PG) Tasaram-All Tasaram-V Tasar | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram P)-Gorakhpur PG)-GorakhpBalia(PG) Iahabad(PG) Iaranasi(PG) G)-SasaramBalia(PG) Iaranasi(PG) | 342 - - 98 598 554 -2 -45 -20 127 188 | 501 294 990 900 6 -55 244 191 60 | 3 1, 1, 3 3 1 | | - 0 0 0 31 0 20 | | 9.66 - 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 | 0 - 0 0 0 0.28 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 |
| 9 10 11 12 13 14 15 16 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 765KV-F 765KV-F 765KV-G HVI | narsharif(PG Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All tasaram-Va atehpur(PG Gaya(PG)-V aya(PG)-V | PG)-Balia(PG) F)-Varanasi(P P)-Sasaram F)-Gorakhpur PG)-GorakhpBalia(PG) Idhabad(PG) | 342 - - 98 598 554 -2 -45 -20 127 | 501 - 294 990 900 6 -55 244 191 | 3 1, 1, 3 3 1 | - - - | - 0 0 0 31 0 20 | | 9.66 5.29 - 22.11 - 17.14 - 0 - 1.36 - 5.18 - 3.59 | 0 - 0 0 0 0.28 0 0 0 | 9.66 5.29 - 22.11 - 17.14 -0.28 - 1.36 - 5.18 - 3.59 |
| 9 10 11 12 13 14 15 16 | 400KV-F 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K | narsharif(PG arsharif(PG atehpur(U ihari(DMT affarpur(F Patna(PG) asaram-All asaram-V atehpur(PG Gaya(PG)- aya(PG)-V OC PUSAU XV-Alipurd | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram P)-Gorakhpur PG)-GorakhpBalia(PG) Iahabad(PG) Iaranasi(PG) G)-SasaramBalia(PG) Iaranasi(PG) | 342 98 - 598 - 554 2 - 45 - 20 - 127 - 188 - 50 - | 501 294 990 900 6 -55 244 191 60 50 - | 3 1, 1, 3 1 2 | | - 0 0 0 31 0 20 0 | | 9.66 5.29 - 22.11 - 17.14 - 0 - 1.36 - 5.18 - 3.59 - 2.5 - 1.24 - | 0 - 0 0 0 0.28 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - |
| 9 10 11 12 13 14 15 16 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 765KV-F 765KV-F 765KV-G HVI | narsharif(PG arsharif(PG atehpur(U ihari(DMT affarpur(F Patna(PG) asaram-All asaram-V atehpur(PG Gaya(PG)- aya(PG)-V OC PUSAU XV-Alipurd | PG)-Balia(PG) F)-Varanasi(P P)-Sasaram F)-Gorakhpur PG)-GorakhpBalia(PG) Idhabad(PG) | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 | 3 1, 1, 3 3 1 2 | | - 0 0 0 31 0 20 0 - | | 9.66 - 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 | 0 - 0 0 0 0.28 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 |
| 9 10 11 12 13 14 15 16 17 Sub- | 400KV-F 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All fasaram-Va atehpur(PC Gaya(PG)-V OC PUSAU XV-Alipurd REGION | PG)-Balia(PG) F)-Varanasi(P P)-Sasaram F)-Gorakhpur PG)-GorakhpBalia(PG) Idhabad(PG) | 342 | 501 294 990 900 6 -55 244 191 60 50 - | 3 1, 1, 3 3 1 2 | | - 0 0 0 31 0 20 0 - | | 9.66 5.29 - 22.11 - 17.14 - 0 - 1.36 - 5.18 - 3.59 - 2.5 - 1.24 - | 0 - 0 0 0 0.28 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - |
| 9 10 11 12 13 14 15 16 17 Sub- | 400KV-F 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-Va atehpur(PC Gaya(PG)-V OC PUSAU V-Alipurd REGION | PG)-Balia(PG) G)-Varanasi(P P)-Sasaram D)-Gorakhpur PG)-Gorakhpur Balia(PG) Iahabad(PG) Iaranasi(PG) G)-Sasaram. Balia(PG) Iaranasi(PG) JLI B/B Iuar-Agra(PG) IathCharialli | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 reen NORTH_EAST RI -500 -500 | 3 1, 1, 2 3 3 3 3 1 3 3 6 6 6 6 6 6 6 7 7 8 7 8 7 8 7 8 7 8 8 8 8 | | - 0 0 0 0 0 31 0 20 0 - 0 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 - 72.1 | 0 - 0 0 0 0.28 0 0 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 |
| 9 10 11 12 13 14 15 16 17 Sub-Total | 400KV-F 400KV-Moti 400KV-Muz 400KV-S 400KV-S 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG)) asaram-All fasaram-Va atehpur(PC) Gaya(PG)-V OC PUSAU XV-Alipurd REGION | PG)-Balia(PG) PG)-Varanasi(P P)-Sasaram P)-Gorakhpur PG)-GorakhpBalia(PG) lahabad(PG) aranasi(PG) G)-SasaramBalia(PG) Taranasi(PG) JLI B/B luar-Agra(PG) athCharialli | 342 98 598 598 554 -2 -45 -20 127 188 50 - 1,689 Import/Export betw -500 -500 Import/Export | 501 - 294 990 900 6 -55 244 191 60 50 - 2,986 veen NORTH_EAST RI -500 -500 between WEST REGIO | 3 1, 1, 2 3 3 3 3 1 3 3 6 6 6 6 6 6 6 7 7 8 7 8 7 8 7 8 7 8 8 8 8 | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 0N | | 9.66 - 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 - 72.1 | 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All dasaram-Va atehpur(PC Gaya(PG)-V DC PUSAU XV-Alipurd REGION V-Biswana AST REGI | PG)-Balia(PG) PG)-Balia(PG) P)-Sasaram P)-Sasaram P)-Gorakhpur PG)-GorakhpBalia(PG) Iahabad(PG) Iaranasi(PG) IG)-SasaramBalia(PG) IAIABAD | 342 98 598 598 554 -2 -45 -20 127 188 50 - 1,689 Import/Export betv -500 Import/Export | 501 - 294 990 900 6 -55 244 191 60 50 - 2,986 Veen NORTH_EAST RI -500 -500 between WEST REGIO | 3 1, 1, 1, 3 3 1 2 2 5 5 5 5 6 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 ON 700 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 - 72.1 | 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 |
| 9 10 11 12 13 14 15 16 17 Sub-Total | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E | narsharif(PC Tatchpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All fasaram-Va atchpur(PC Gaya(PG)-V OC PUSAU CV-Alipurd REGION V-Biswana AST REGI v-Bhanpur | PG)-Balia(PG) PG)-Balia(PG) P)-Sasaram P)-Sasaram P)-Gorakhpur PG)-GorakhpBalia(PG) Iahabad(PG) Iaranasi(PG) PG)-Sasaram PBalia(PG) IAIB/B IIIB/B IIB/B II | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 reen NORTH_EAST RI -500 between WEST REGIO 17 29 | 3 1, 1, 1, 3 3 1 2 2 3 CGION and NOR | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 ON 700 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 - 72.1 0 0 0 0.99 | 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota 1 2 3 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV | narsharif(PC Tatchpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All tasaram-Va atchpur(PC Gaya(PG)-V OC PUSAU V-Alipurd REGION V-Biswana AST REGI V-Bhanpur- | PG)-Balia(PG) PG)-Balia(PG) P)-Sasaram P)-Sasaram P)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) Iahabad(PG) Iaranasi(PG) G)-Sasaram. Balia(PG) IAI B/B Iduar-Agra(PG) IAI B/B IAI | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 reen NORTH_EAST RI -500 -500 between WEST REGIO | 3 1, 1, 1, 3 3 1 2 2 5 5 5 5 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 ON 700 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 - 72.1 0 0 0 0.99 1.74 | 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota 1 2 3 4 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-I | narsharif(PC Tatchpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All sasaram-Va atchpur(PC Gaya(PG)-V DC PUSAU V-Alipurd REGION V-Biswana AST REGI V-Bhanpur-RAPS C(NI | PG)-Balia(PG) PG)-Balia(PG) PG)-Varanasi(P PD)-Sasaram PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) Iahabad(PG) Iaranasi(PG) Iaranasi(PG) Iaranasi(PG) IARANIA PG IAR | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 reen NORTH_EAST RI -500 -500 between WEST REGIO 17 29 63 112 | 3 1, 1, 1, 3 3 1 2 3 GGION and NOR | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 0N 700 700 | | 9.66 5.29 - 22.11 17.14 - 0 1.36 - 5.18 - 3.59 - 2.5 - 1.24 72.1 - 0 0 0 0.99 - 1.74 - 2.81 | 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 2.81 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota 1 2 3 4 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-I | narsharif(PC arsharif(PC arsharif(PC arsharif(PC arsharif(PC arsharif(PC) arsharif(DMT affarpur(FC asaram-All asaram-Va atehpur(PC aya(PG)-V DC PUSAU AV-Alipurd REGION AST REGION V-Biswana AST REGION V-Bhanpur V-RAPS C(Ni lhyachal(PC) | PG)-Balia(PG) PG)-Balia(PG) P)-Sasaram P)-Sasaram P)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) Iahabad(PG) Iaranasi(PG) G)-Sasaram. Balia(PG) IAI B/B Iduar-Agra(PG) IAI B/B IAI | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 reen NORTH_EAST RI -500 -500 between WEST REGIO | 3 1, 1, 1, 3 3 1 2 2 3 3, 2 GION and NOR 1 2 2 | | - 0 0 0 0 0 31 0 20 0 - 0 - 0 51 0N 700 700 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 - 72.1 0 0 0 0.99 1.74 | 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 |
| 9 10 11 12 13 14 15 16 17 Sub-Total 1 2 3 4 5 | 400KV-F 400KV-Moti 400KV-Muz 400KV-S 400KV-S 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-F 400KV-Vinc 400KV-Z | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All fasaram-Va atehpur(PC Gaya(PG)-V DC PUSAU TV-Alipurd TV-Biswana AST REGI V-Banpur- RAPS C(No ihyachal(P erda(PG)-I | PG)-Balia(PG) PG)-Balia(PG) PG)-Varanasi(P PD)-Sasaram PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) Iahabad(PG) Iaranasi(PG) Iaranasi(PG) IARANIA PG) IARANIA PG IARA | 342 | 501 - 294 990 900 6 -55 244 191 60 50 - 2,986 reen NORTH_EAST RI -500 -500 between WEST REGIO 17 29 63 112 -940 | 3 1, 1, 1, 3 3 3 1 2 2 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | | - 0 0 0 0 0 31 0 20 0 - 0 - 0 51 51 0 0 700 700 45 962 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 72.1 0 0 0 0.99 1.74 2.81 0 | 0 | 9.66 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 71.82 -11.91 -0.15 0.99 1.74 2.81 -22.62 |
| 9 10 11 12 13 14 15 16 17 Sub-Total 1 2 3 4 5 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-F 400KV-F 400KV-F 400KV-F 400KV-F 400KV-F | narsharif(PC Tatehpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All fasaram-Va atehpur(PC Gaya(PG)-V DC PUSAU TV-Alipurd TV-Biswana AST REGI V-Banpur- RAPS C(No ihyachal(P erda(PG)-I | PG)-Balia(PG) PG)-Balia(PG) P)-Sasaram P)-Sasaram P)-Gorakhpur PG)-Gorakhpur Palia(PG) Iahabad(PG) Iaranasi(PG) Iaranasi(PG) IARAGRA IIII IARAGRA III IARAGRA | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 Freen NORTH_EAST RI -500 -500 between WEST REGIO 17 29 63 112 -940 16 | 3 1, 1, 1, 3 3 1 2 2 3 3 3, EGION and NOR 1 2 2 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 0 0 700 700 700 700 700 700 700 700 700 | | 9.66 | 0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 2.81 -22.62 -1.37 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota 1 2 3 4 5 6 7 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-I 400KV-Vinc 400KV-Za 400KV-Za 765KV | narsharif(PC Tatchpur(U ihari(DMT taffarpur(FC Patna(PG) asaram-All dasaram-Va atchpur(PC Gaya(PG)-V DC PUSAU TV-Alipurd REGION TV-Biswana AST REGI TV-Bhanpur V-Ranpur RAPS C(Ni dlhyachal(P erda(PG)-I erda(PG)-I erda(PG)-I | PG)-Balia(PG) PG)-Balia(PG) PG)-Balia(PG) PJ-Sasaram PJ-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) PARTAMENT PBALIA PG PG)-Sasaram. PBALIA PG PG) PARTAMENT PG PG) PARTAMENT PG PG) PRIMARY PG P | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 Veen NORTH_EAST RI -500 -500 between WEST REGIO 17 29 63 112 -940 16 -46 | 3 1, 1, 1, 3 3 1 2 2 3 3 CGION and NOR | | - 0 0 0 0 0 31 31 0 20 0 - 0 - 51 DN 700 700 45 962 64 187 | | 9.66 5.29 22.11 17.14 0 1.36 5.18 3.59 2.5 1.24 72.1 0 0 0.99 1.74 2.81 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 2.81 -22.62 -1.37 -1.6 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota 1 2 3 4 5 6 7 8 | 400KV-F 400KV-Moti 400KV-Muz 400KV-S 400KV-S 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-I 400KV-Z 400KV-Z 765KV 765KV 765KV | narsharif(PC Tatchpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All sasaram-Va atchpur(PC Gaya(PG)-V OC PUSAU V-Alipurd REGION V-Biswana AST REGI V-Bhanpur-RAPS C(NI ilhyachal(P erda(PG)-F erda(PG)-F | PG)-Balia(PG) PG)-Balia(PG) PG)-Varanasi(P P)-Sasaram P)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) PG)-Sasaram. PG)-Sujalpur PG)-Sujalpur PG)-Sujalpur PG)-Sujalpur PG)-Rihand(N PBhinmal(PG) PG)-Rihand(N PBhinmal(PG) PG) PG) PG) PG) PG) PG) PG) PG) PG) | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 7een NORTH_EAST RI -500 -500 between WEST REGIO 17 29 63 112 -940 16 -46 -431 | 3 3 1 1 2 2 3 3 3 3 1 1 2 2 3 3 3 1 1 1 1 | | - 0 0 0 0 0 31 0 20 0 - 0 - 51 DN 700 700 45 962 64 187 528 | | 9.66 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.66 - 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 2.81 -22.62 -1.37 -1.6 -11.24 |
| 9 10 11 12 13 14 15 16 17 Sub-Tota 1 2 3 4 5 6 7 8 9 | 400KV-F 400KV-Moti 400KV-Muz 400KV-Sa 400KV-Sa 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-I 400KV-Vinc 400KV-Zc 765KV 765KV-Chi 765KV-Chi | narsharif(PC Tatchpur(U ihari(DMT taffarpur(F Patna(PG) asaram-All sasaram-Va atchpur(PC Gaya(PG)-V DC PUSAU V-Alipurd REGION V-Biswana AST REGI V-Banpur- RAPS C(Ni dlhyachal(PC erda(PG)-I | PG)-Balia(PG) PG)-Balia(PG) PG)-Varanasi(P PD)-Sasaram PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) Idahabad(PG) Idahapur(PG) Idahabad(PG) Idaha | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 7 | 3 3 1 1 2 2 3 3 3 3 3 1 1 2 2 3 3 3 3 1 1 1 1 | | - 0 0 0 0 0 31 0 20 0 - 0 - 0 - 51 DN 700 700 45 962 64 187 528 | | 9.66 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.66 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 - 71.82 -11.91 -0.15 0.99 1.74 2.81 -22.62 -1.37 -1.6 -11.24 31.43 |
| 9 10 11 12 13 14 15 16 17 Sub-Total 1 2 3 4 5 6 7 8 9 10 11 12 | 400KV-F 400KV-Moti 400KV-Muz 400KV-S 400KV-S 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-F 400KV-F 400KV-F 765KV-F 765KV-F 765KV-F 765KV-F 765KV-F 765KV-F 765KV-F 765KV-F | narsharif(PC arsharif(PC arsharif(PC arsharif(PC arsharif(PC arsharif(PC arsharif(PC arsharif(PC) arsharif(PG) asaram-All asaram-Va atehpur(PC aya(PG)-V DC PUSAU AV-Alipurd REGION AST REGION AST REGION V-Bhanpur V-Rapur-RAPS C(N) dlhyachal(P erda(PG)-I | PG)-Balia(PG) PG)-Balia(PG) PG)-Varanasi(P PD)-Sasaram PG)-Gorakhpur PG)-Sasaram PBalia(PG) Faranasi(PG) Faranasi(PG | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 2een NORTH_EAST RI -500 -500 between WEST REGIO 17 29 63 112 -940 16 -46 -431 1,531 1,308 348 2,202 | 3 3 1, 1, 1, 3 3 2, 3 5 | | - 0 0 0 0 0 31 0 20 0 0 - 0 51 0 700 700 45 962 64 187 528 0 0 | | 9.66 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.66 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 |
| 9 10 11 12 13 14 15 16 17 Sub-Total 1 2 3 4 5 6 7 8 9 10 11 12 13 | 400KV-F 400KV-Muz 400KV-Muz 400KV-S 400KV-S 400KV-S 765KV-F 765KV-G HVI HVDC800K Total EAST HVDC800K NORTH_E 220KV-Aur 220KV 400KV-F 400KV-F 400KV-F 765KV-F 765KV-F 765KV-F 765KV-F 765KV-F 765KV-F | narsharif(PC Tatchpur(U ihari(DMT taffarpur(FC Patna(PG) asaram-All dasaram-Va atchpur(PC Gaya(PG)-V DC PUSAU TV-Alipurd REGION TV-Bhanpur V-Bhanpur V-Ranpur RAPS C(Ni dlhyachal(PC crda(PG)-I crda(P | PG)-Balia(PG) PG)-Balia(PG) PG)-Varanasi(P PD)-Sasaram PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PG)-Gorakhpur PBalia(PG) Idahabad(PG) Idahapur(PG) Idahabad(PG) Idaha | 342 | 501 294 990 900 6 -55 244 191 60 50 - 2,986 2,986 | 3 3 1, 1, 1, 3 3 2, 1, 1, 1, 3 5 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | | - 0 0 0 0 0 31 0 20 0 - 0 - 0 51 51 0N 700 700 700 45 962 64 187 528 0 0 0 532 | | 9.66 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.66 5.29 22.11 17.14 -0.28 1.36 5.18 3.59 2.5 1.24 |

| Import/Export between WEST REGION and NORTH REGION | | | | | | | | | | | | | |
|--|------------------------------------|----------------|--------------|--------------|-----------------|--------------|---------------------|---------------------|-----------|---------------------|----------------|---------------------|--|
| 15 | HVDC500KV-Vindhya B/B | achal(PG)-Vind | ihaychal - | 250 | -250 | 1 | 0 | 250 |) | 0 | 6.03 | -6.03 | |
| | HVDC800KV-Champa | a(PG)-Kuruks. | | ,500 | 1,500 | | ,000 | 0 | | 34.8 | 0 | 34.8 | |
| | Total WEST REGION TAL IR EXCHANGE | | | ,630 ,819 | 7,599 10,085 | |),871 ,489 | 2,56 3,31 | | 201.4 273.5 | 46.2 58.39 | 155.2 215.11 | |
| | Schedule & Actual Exc | zahanga (Imnor | - | | | 1. | ,402 | 0,0 | , | 415.5 | 30.07 | 213,11 | |
| 4(D) Ilitei Kegionai | ISGS/(LT+MT) | | (+ve) /EA | BILT Sch | | PX S | chedule | Total IR S | chedule | Total IR | NE. | T IR UI | |
| NR-ER | 45.05 | | - | -3.78 | | | 2.28 | 43.5 | | Actual 71.82 | | 28.27 | |
| NR-WR | 165.31 | | + | 27.71 | | | 5.69 | 186 | | 155.2 | | 31.13 | |
| Total | 210.36 | | | 23.93 | | | 1.41 | 229. | | 215.11 | | 14.77 | |
| 5.Inter National Ex | change with Nepal [Im | port (+ve)/Exp | . , | - | | | | | | | - | | |
| | Element | - | | Peak MW | Off-Peak MW | | aximum Inte port | erchange(MW Expo | | Energy Import | (MU) Export | Net Energy (MU) | |
| 132KV-Tanak | kpur(NH)-Mahendrana | igar(PG) | | -31 | -28 | - | | 32 | | m.pv | 0.6013 | -0.6013 | |
| 5.Frequency Profile | e | | | | | | | | | | | | |
| RANG | GE(Hz) | N/A | N/A | < 49.8 | < 49.9 | N/A | N/A | N/A | 1 | N/A | N/A | > 50.05 | |
| | % | 0 | 0 | 0 | 1.7 | 21.2 | 56.8 | 26.0 | 6 | 13 | 1.8 | 41.5 | |
| <frequency< td=""><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Freq</td><td></td><td></td><td></td><td></td></frequency<> | • | | | | | | | Freq | | | | | |
| Max | ximum | | M | finimum | | Ave | erage | Freq Variation | Standard | Freq. in 15 mnt blk | | Freq Dev Index | |
| Frequency | Time | Freque | • | | Time | 1 | quency | Index | Deviation | Max. | Min. | (% of Time) | |
| 50.33 | 18:02:10 | 49.8 | 1 | | 13:40:00 | 50 | 0.04 | 0.056 | 0.062 | 50.22 | 49.88 | 0.00 | |
| 6.Voltage Profile: 4 | | aximum | | | Minim | | | T | Volta | ge (in %) | | Voltage | |
| | IVIA | ximum | | | | um | | | V Oita | ge (In %) | | Deviation | |
| STATION | VOLTAGE | TIM | Œ | ve | OLTAGE | T | IME | < 380 | < 390 | > 420 | > 430 | Index (% of time) | |
| Abdullapur(PG) - 400KV | 418 | 08:1 | 5 | <u> </u> | 396 | 23 | 3:05 | 0 | 0 | 0 | 0 | 0 | |
| Amritsar(PG) - | 418 | 12:0 | 0 | | 401 | 22 | 2:30 | 0 | 0 | 0 | 0 | 0 | |
| 400KV Ballabgarh(PG) - | 421 | 08:0 | | | 396 | 1 | 3:05 | 0 | 0 | 1.74 | 0 | 1.74 | |
| 400KV Bareilly II(PG) - | | | | <u></u> | 399 | <u>.</u> | | | | | | | |
| 400KV | 419 | 08:10 | | | | <u>.</u> | 0:00 | 0 | 0 | 0 | 0 | 0 | |
| Bareilly(UP) - 400KV | 420 | 08:1 | .5 | | 400 | 00 | 0:00 | 0 | 0 | 0 | 0 | 0 | |
| Baspa(HP) - 400KV | 416 | 08:0 | 15 | | 401 | 22 | 2:10 | 0 | 0 | 0 | 0 | 0 | |
| Bassi(PG) - 400KV | 416 | 08:0 | 0 | | 395 | | 2:50 | 0 | 0 | 0 | 0 | 0 | |
| Bawana(DTL) - 400KV | 422 | 08:1 | .5 | | 399 | 23 | 3:15 | 0 | 0 | 6.94 | 0 | 6.94 | |
| Dadri HVDC(PG). - 400KV | 420 | 08:0 | ı5 <u> </u> | | 420 | 08 | 8:05 | .35 | .35 | .35 | 0 | .7 | |
| Gorakhpur(PG) - | 419 | 08:0 |)5 | | 397 | 00 | 0:20 | 0 | 0 | 0 | 0 | 0 | |
| 400KV Hisar(PG) - | 419 | 08:1 | | 1 | 394 | 1 23 | 3:10 | 0 | 0 | 0 | 0 | 0 | |
| 400KV Kanpur(PG) - | 421 | 08:0 | | 1 | 404 | <u>.</u> | 2:30 | 0 | 0 | 1.74 | 0 | 1.74 | |
| 400KV | 7 | 00.0 | 3 | 1 | 404 | 1 | 2:30 | | | | | | |
| Kashipur(UT) - 400KV | | <u></u> | | | | | | 0 | 0 | 0 | 0 | 0 | |
| Kishenpur(PG) - 400KV | 419 | 08:1 | .5 | | 402 | 06 | 6:45 | 0 | 0 | 0 | 0 | 0 | |
| Moga(PG) - 400KV | 417 | 08:0 | 15 | | 399 | 23 | 3:10 | 0 | 0 | 0 | 0 | 0 | |
| Nallagarh(PG) - | 416 | 08:0 |)5 | | 401 | 22 | 2:10 | 0 | 0 | 0 | 0 | 0 | |
| 400KV Rihand | 405 | 08:2 | 20 | | 405 | 08 | 8:20 | .35 | .35 | 0 | 0 | .35 | |
| HVDC(PG) - 400KV | | | | 1 | | | | | | | 1 | | |
| Rihand(NT) - 400KV | 404 | 08:2 | :0 | | 404 | 08 | 8:20 | .35 | .35 | 0 | 0 | .35 | |
| 6.1 Voltage Profile: | . 765kV | | | | | | | | | | | | |
| | 1 | aximum | | | Minim | um | | | Volta | ge (in %) | | Voltage - Deviation | |
| | | | | | | | | | | | | Index | |
| STATION Anta RS(RJ) - | VOLTAGE 790 | 08:0 | | V | OLTAGE 770 | | IME 2:15 | < 728 | < 742 | > 800 | > 820 | (% of time) | |
| 765KV | | | | | | <u>.</u> | | 0 | | 0 | 0 | 0 | |
| Balia(PG) - 765KV Bareilly II(PG) - | | 08:10 | | | 762 | | 0:20 | 0 | 0 | 0 | 0 | 0 | |
| 765KV | 800 | 08:1 | | | 762 | <u>.</u> | 2:30 | 0 | 0 | .35 | 0 | .35 | |
| Bhiwani(PG) - 765KV | 802 | 08:0 | 5 | | 762 | 22 | 2:35 | 0 | 0 | 3.47 | 0 | 3.47 | |
| Fatehpur(PG) - 765KV | 776 | 08:1 | .5 | | 747 | 22 | 2:35 | 0 | 0 | 0 | 0 | 0 | |
| Jhatikara(PG) - 765KV | 799 | 08:1 | .5 | | 756 | 22 | 2:40 | 0 | 0 | 0 | 0 | 0 | |
| Lucknow II(PG) - | 801 | 08:0 |)5 | | 760 | 22 | 2:35 | 0 | 0 | 1.74 | 0 | 1.74 | |
| 765KV Meerut(PG) - | 804 | 08:1 | | | 764 | 1 22 | 2:35 | 0 | 0 | 4.86 | 0 | 4.86 | |
| 765KV Moga(PG) - | | | | 1 | | <u>.</u> | | | | | | | |
| 765KV | 793 | 08:1 | | <u> </u> | 756 | | 3:05 | 0 | 0 | 0 | 0 | 0 | |
| Phagi(RJ) - 765KV Unnao(UP) - | | 08:0 | | | 764 | | 2:35 | 0 | 0 | 0 | 0 | 0 | |
| Unnao(UP) - 765KV | 773 | 08:1 | .0 | | 742 | Ut | 0:00 | 0 | 1.39 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | |

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

| | Off- Peak Hours (03:00) | | | | Peak Hours (20:00) | | | Day Energy (MU) | | | |
|---------------------|-------------------------|----------|-----------|-------------------|--------------------|-----------|------------------------------|-----------------|-------------|------------|--|
| State | Bilateral (MW) | IEX (MW) | PXIL (MW) | Bilateral (MW) | IEX (MW) | PXIL (MW) | ISGS /(LT+MT) Schedule | BILT Schedule | PX Schedule | Total (MU) | |
| PUNJAB | -297.65 | 0 | 0 | -95.85 | 0 | 0 | 75.02 | -3.71 | -0.1 | 71.2 | |
| HARYANA | 783.66 | 161.03 | 0 | 787.83 | 148.51 | 0 | 94.18 | 17.78 | 2.45 | 114.41 | |
| RAJASTHAN | -244.44 | 162.08 | 0 | -123.29 | -461.89 | 0 | 75.74 | -3.69 | 0.76 | 72.82 | |
| DELHI | 406.77 | 234.17 | 0 | 309.34 | 184.09 | 0 | 80.82 | 9.09 | 7.43 | 97.34 | |
| UTTAR PRADESH | 1,839.05 | -64.42 | 0 | 1,209.14 | 179.69 | 0 | 156.38 | 27.67 | -1.73 | 182.32 | |
| UTTARAKHAND | 110.21 | -50.73 | 0 | 110.21 | 156.93 | 0 | 15.11 | 2.64 | 0.38 | 18.13 | |
| HIMACHAL PRADESH | -462.04 | -256.2 | 0 | -463.36 | -699.2 | 0 | 25.53 | -10.06 | -10.34 | 5.13 | |
| JAMMU & KASHMIR | -516.04 | 0 | 0 | -517.15 | -13.35 | 0 | 36.05 | -12.4 | -0.11 | 23.54 | |
| CHANDIGARH | 0 | -45.4 | 0 | 0 | -85.76 | 0 | 6.43 | 0 | -0.84 | 5.6 | |
| TOTAL | 1,619.52 | 140.53 | 0 | 1,216.87 | -590.98 | 0 | 565.26 | 27.32 | -2.1 | 590.49 | |

7(B). Short-Term Open Access Details

| | ISGS/(LT- | +MT) Schedule | Bilateral (1 | Bilateral (MW) | | | PXIL (MW) | |
|---------------------|-----------|---------------|--------------|----------------|---------|---------|-----------|---------|
| State | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum |
| PUNJAB | 4,010.89 | 1,966.98 | -95.85 | -297.65 | 0 | -100.9 | 0 | 0 |
| HARYANA | 5,388.79 | 2,383.61 | 820.26 | 612.95 | 177.3 | -136.45 | 0 | 0 |
| RAJASTHAN | 3,712.76 | 2,309.16 | -123.29 | -244.44 | 162.37 | -461.89 | 0 | 0 |
| DELHI | 3,880.76 | 2,795.27 | 466.24 | 307.14 | 654.13 | -77.57 | 0 | 0 |
| UTTAR PRADESH | 8,140.67 | 5,240.04 | 1,884.64 | 717.43 | 301.88 | -773.75 | 0 | 0 |
| UTTARAKHAND | 892.87 | 449.64 | 110.21 | 110.21 | 185.87 | -104.59 | 0 | 0 |
| HIMACHAL PRADESH | 1,481.7 | 762.18 | -256.13 | -641.47 | -163.92 | -948.28 | 0 | 0 |
| JAMMU & KASHMIR | 1,909.54 | 1,184.18 | -516.04 | -517.15 | 0 | -13.35 | 0 | 0 |
| CHANDIGARH | 343.77 | 219.04 | 0 | 0 | 0 | -85.76 | 0 | 0 |

8.Major Reservoir Particulars

| | | Parameters | | Present | Present Parameters | | LAST YEAR | | LAST DAY |
|---------------|------------|------------|-----------------------|-------------|--------------------|-------------|----------------|---------------|--------------|
| RESERVOIR | MDDL (Mts) | FRL (Mts) | Energy Content at FRL | Level (Mts) | Energy (MU) | Level (Mts) | Energy (MU) | Inflow (m3/s) | Usage (m3/s) |
| Bhakra | 445.62 | 513.59 | 1,729 | 494.89 | 903 | 467.9 | 235 | 614.64 | 642.03 |
| Chamera-I | 748.75 | 760 | 754 | 752.94 | - | - | - | 271.32 | 344.33 |
| Gandhisagar | 295.78 | 295.78 | 725 | - | - | - | - | - | 0 |
| Jawahar Sagar | 295.78 | 298.7 | 0 | - | - | - | - | - | 0 |
| Koteshwar | 598.5 | 612.5 | 611 | 610.58 | 5 | 610.08 | 5 | 240 | 243.31 |
| Pong | 384.05 | 426.72 | 1,084 | 408.98 | 464 | 394.09 | 112 | 121.14 | 190.63 |
| RPS | 343.81 | 352.8 | 176 | - | - | - | - | - | 0 |
| RSD | 487.91 | 527.91 | 390 | 522.18 | 8 | 498.86 | 3 | 328.62 | 279.19 |
| Rihand | 252.98 | 268.22 | 861 | - | - | - | - | - | 0 |
| Tehri | 740.04 | 829.79 | 1,291 | 761.5 | 133 | 751.25 | 58 | 128.44 | 240 |
| TOTAL | • | - | - | - | 1,513 | - | 413 | 1,704.16 | 1,939.49 |

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 | 10 | 35 |
| DELHI | 6 | 19 |
| HARYANA | 3 | 10 |
| HIMACHAL PRADESH | 0 | 6 |
| JAMMU & KASHMIR | 6 | 17 |
| PUNJAB | 4 | 11 |
| RAJASTHAN | 1 | 8 |
| UTTAR PRADESH | 1 | 9 |
| UTTARAKHAND | 7 | 17 |

11. Significant events (If any):

| 15.Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation: 1) 220 kV Gorakhpur(PG)-Gola line-1 first time charged and synchronized at 13:17 Hrs (01.05.2019) | |
|--|-----------------|
| 2) 125 MVA ICT-4 at Surya Urja first time charged on no load at 19.56 hrs. on 01.05.19 | |
| 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 |

 ${\bf 12. Grid\ Disturbance\ /\ Any\ Other\ Significant\ Event:}$

14. Synchronisation of new generating units :

13. Weather Conditions :