

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

31-Oct-18

A. Maximum Demand

| | NR | WR | SR | ER | NER | Total |
|---|----------------|----------------|----------------|----------------|---------------|-----------------|
| Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs) | 43028 | 51613 | 44053 | 19718 | 2451 | 160863 |
| Peak Shortage (MW) | 457 | 0 | 370 | 610 | 61 | 1498 |
| Energy Met (MU) | 925 | 1231 | 1007 | 373 | 44 | 3580 |
| Hydro Gen (MU) | 151 | 23 | 116 | 65 | 13 | 369 |
| Wind Gen (MU) | 8 | 40 | 28 | ----- | ----- | 77 |
| Solar Gen (MU)* | 21.63 | 19.56 | 73.22 | 1.29 | 0.03 | 116 |
| Energy Shortage (MU) | 8.1 | 0.0 | 1.4 | 1.8 | 0.9 | 12.4 |
| Maximum Demand Met during the day (MW) & time (from NLDC SCADA) | 44137 18:49 | 56053 10:32 | 44466 18:51 | 19692 19:03 | 2477 18:03 | 163659 18:37 |

B. Frequency Profile (%)

| Region | FVI | <49.7 | 49.7-49.8 | 49.8-49.9 | <49.9 | 49.9-50.05 | > 50.05 |
|-----------|-------|-------|-----------|-----------|-------|------------|---------|
| All India | 0.051 | 0.00 | 0.81 | 14.00 | 14.81 | 80.58 | 4.61 |

C. Power Supply Position in States

| Region | States | Max. Demand Met during the day (MW) | Shortage during maximum Demand (MW) | Energy Met (MU) | Drawal Schedule (MU) | OD(+)/UD(-) (MU) | Max OD (MW) | Energy Shortage (MU) |
|-------------|-------------------|-------------------------------------|-------------------------------------|-----------------|----------------------|------------------|-------------|----------------------|
| NR | Punjab | 5758 | 0 | 123.0 | 33.7 | -0.7 | 111 | 0.0 |
| | Haryana | 6304 | 100 | 125.0 | 87.9 | -0.1 | 140 | 0.5 |
| | Rajasthan | 11001 | 0 | 223.0 | 50.9 | 2.2 | 569 | 0.0 |
| | Delhi | 3664 | 0 | 71.8 | 53.2 | -0.2 | 378 | 0.0 |
| | UP | 13268 | 210 | 285.4 | 115.8 | 0.5 | 362 | 0.3 |
| | Uttarakhand | 1860 | 0 | 35.0 | 15.5 | 0.6 | 151 | 0.0 |
| | HP | 1481 | 0 | 27.8 | 15.9 | 1.8 | 235 | 0.0 |
| | J&K | 1657 | 414 | 30.6 | 37.6 | -14.2 | 247 | 7.3 |
| WR | Chandigarh | 179 | 0 | 3.3 | 3.2 | 0.1 | 23 | 0.0 |
| | Chhattisgarh | 4039 | 0 | 86.4 | 32.6 | -0.6 | 352 | 0.0 |
| | Gujarat | 15951 | 0 | 356.5 | 106.0 | 5.9 | 576 | 0.0 |
| | MP | 12244 | 0 | 259.0 | 140.3 | -2.9 | 578 | 0.0 |
| | Maharashtra | 22586 | 0 | 483.9 | 162.0 | -2.3 | 570 | 0.0 |
| | Goa | 475 | 0 | 9.8 | 8.9 | 0.2 | 58 | 0.0 |
| | DD | 320 | 0 | 7.2 | 6.2 | 1.0 | 105 | 0.0 |
| | DNH | 695 | 0 | 16.0 | 15.2 | 0.8 | 75 | 0.0 |
| SR | Essar steel | 606 | 0 | 11.7 | 12.0 | -0.3 | 233 | 0.0 |
| | Andhra Pradesh | 8915 | 0 | 191.9 | 64.6 | 8.2 | 959 | 0.0 |
| | Telangana | 9729 | 0 | 210.0 | 89.6 | 2.0 | 610 | 0.0 |
| | Karnataka | 10544 | 0 | 215.6 | 46.1 | 2.5 | 584 | 0.0 |
| | Kerala | 3407 | 320 | 69.9 | 42.7 | 1.3 | 278 | 1.4 |
| | Tamil Nadu | 14741 | 0 | 312.5 | 154.0 | 4.8 | 809 | 0.0 |
| | Pondy | 337 | 20 | 7.0 | 7.1 | -0.1 | 37 | 0.1 |
| | ER | Bihar | 4507 | 0 | 80.9 | 73.3 | 4.6 | 100 |
| DVC | | 3070 | 0 | 63.8 | -26.2 | 0.9 | 150 | 0.0 |
| Jharkhand | | 1000 | 0 | 21.9 | 15.6 | 1.6 | 150 | 0.8 |
| Odisha | | 4685 | 350 | 93.6 | 31.3 | 1.6 | 300 | 1.1 |
| West Bengal | | 6902 | 0 | 111.8 | 26.8 | 2.0 | 200 | 0.0 |
| Sikkim | | 94 | 0 | 1.3 | 1.2 | 0.1 | 20 | 0.0 |
| NER | Arunachal Pradesh | 120 | 2 | 2.0 | 2.0 | 0.1 | 2 | 0.0 |
| | Assam | 1550 | 33 | 25.8 | 20.3 | 1.5 | 184 | 0.9 |
| | Manipur | 175 | 3 | 2.4 | 2.3 | 0.2 | 39 | 0.0 |
| | Meghalaya | 303 | 0 | 5.4 | 2.7 | -0.1 | 24 | 0.0 |
| | Mizoram | 87 | 1 | 1.6 | 1.0 | 0.2 | 0 | 0.0 |
| | Nagaland | 117 | 2 | 2.1 | 1.7 | 0.0 | 18 | 0.0 |
| | Tripura | 238 | 2 | 4.8 | 2.3 | 0.6 | 22 | 0.0 |

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

| | Bhutan | Nepal | Bangladesh |
|---------------|--------|--------|------------|
| Actual(MU) | 7.8 | -2.5 | -19.5 |
| Day peak (MW) | 480.6 | -170.0 | -891.0 |

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

| | NR | WR | SR | ER | NER | TOTAL |
|--------------|-------|--------|-------|-------|------|-------|
| Schedule(MU) | 134.5 | -177.0 | 108.6 | -60.8 | -4.5 | 0.7 |
| Actual(MU) | 106.6 | -189.6 | 129.5 | -46.9 | -5.0 | -5.3 |
| OD/UD(MU) | -27.8 | -12.6 | 20.9 | 14.0 | -0.5 | -6.0 |

F. Generation Outage(MW)

| | NR | WR | SR | ER | NER | Total |
|----------------|-------|-------|-------|------|-----|-------|
| Central Sector | 4344 | 14903 | 9532 | 2030 | 151 | 30960 |
| State Sector | 11305 | 12978 | 5350 | 4695 | 50 | 34378 |
| Total | 15649 | 27881 | 14882 | 6725 | 201 | 65337 |

G. Sourcewise generation (MU)

| | NR | WR | SR | ER | NER | All India |
|-------------------------------------|-----|------|-----|-----|-----|-----------|
| Thermal (Coal & Lignite) | 569 | 1230 | 545 | 383 | 11 | 2738 |
| Hydro | 151 | 23 | 116 | 65 | 13 | 369 |
| Nuclear | 24 | 30 | 43 | 0 | 0 | 98 |
| Gas, Naptha & Diesel | 58 | 84 | 24 | 0 | 28 | 194 |
| RES (Wind, Solar, Biomass & Others) | 46 | 61 | 142 | 1 | 0 | 250 |
| Total | 849 | 1428 | 870 | 450 | 52 | 3650 |

| | | | | | | |
|---|-------|------|-------|-------|-------|-------|
| Share of RES in total generation (%) | 5.45 | 4.27 | 16.30 | 0.29 | 0.06 | 6.86 |
| Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%) | 26.13 | 8.01 | 34.56 | 14.82 | 25.50 | 19.64 |

H. Diversity Factor

| | |
|-----------------------------------|-------|
| All India Demand Diversity Factor | 1.019 |
|-----------------------------------|-------|

Diversity factor = Sum of regional maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Date of Reporting : **31-Oct-18**

Import=(+ve)
/Export =(-ve)
for NET (MU)

| SI No | Voltage Level | Line Details | Circuit | Max Import (MW) | Max Export (MW) | Import (MU) | Export (MU) | NET (MU) |
|---------------------------------------|---------------|------------------------------|---------|-----------------|-----------------|-------------|--------------|--------------|
| Import/Export of ER (With NR) | | | | | | | | |
| 1 | 765kV | GAYA-VARANASI | D/C | 211 | 244 | 0.5 | 0.0 | 0.5 |
| 2 | | SASARAM-FATEHPUR | S/C | 266 | 36 | 3.7 | 0.0 | 3.7 |
| 3 | | GAYA-BALIA | S/C | 41 | 109 | 0.0 | 1.0 | -1.0 |
| 4 | HVDC | ALIPURDUAR-AGRA | - | 0 | 305 | 0.0 | 3.5 | -3.5 |
| 5 | | PUSAULI B/B | S/C | 0 | 401 | 0.0 | 9.9 | -9.9 |
| 6 | 400 kV | PUSAULI-VARANASI | S/C | 0 | 299 | 0.0 | 6.6 | -6.6 |
| 7 | | PUSAULI-ALLAHABAD | S/C | 0 | 180 | 0.0 | 3.1 | -3.1 |
| 8 | | MUZAFFARPUR-GORAKHPUR | D/C | 104 | 392 | 0.0 | 1.3 | -1.3 |
| 9 | | PATNA-BALIA | Q/C | 0 | 644 | 0.0 | 10.9 | -10.9 |
| 10 | | BIHARSHARIFF-BALIA | D/C | 91 | 134 | 0.1 | 0.0 | 0.1 |
| 11 | | MOTIHARI-GORAKHPUR | D/C | 0 | 290 | 0.0 | 5.7 | -5.7 |
| 12 | | BIHARSHARIFF-VARANASI | D/C | 249 | 43 | 2.7 | 0.0 | 2.7 |
| 13 | 220 kV | PUSAULI-SAHUPURI | S/C | 0 | 147 | 0.0 | 3.1 | -3.1 |
| 14 | 132 kV | SONE NAGAR-RIHAND | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 | | GARWAH-RIHAND | S/C | 25 | 0 | 0.7 | 0.0 | 0.7 |
| 16 | | KARMANASA-SAHUPURI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 17 | | KARMANASA-CHANDAULI | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| ER-NR | | | | | | 7.6 | 45.1 | -37.5 |
| Import/Export of ER (With WR) | | | | | | | | |
| 18 | 765 kV | JHARSUGUDA-DHARAMJAIGARH S/C | D/C | 1338 | 0 | 23.8 | 0.0 | 23.8 |
| 19 | | NEW RANCHI-DHARAMJAIGARH | D/C | 337 | 153 | 3.2 | 0.0 | 3.2 |
| 20 | 400 kV | JHARSUGUDA-RAIGARH | Q/C | 595 | 0 | 11.6 | 0.0 | 11.6 |
| 21 | | RANCHI-SIPAT | D/C | 200 | 0 | 3.9 | 0.0 | 3.9 |
| 22 | 220 kV | BUDHIPADAR-RAIGARH | S/C | 0 | 1 | 0.0 | 0.0 | 0.0 |
| 23 | | BUDHIPADAR-KORBA | D/C | 246 | 0 | 4.2 | 0.0 | 4.2 |
| ER-WR | | | | | | 46.7 | 0.0 | 46.7 |
| Import/Export of ER (With SR) | | | | | | | | |
| 24 | 765 kV | ANGUL-SRIKAKULAM | D/C | 0.0 | 1671.0 | 0.0 | 28.0 | -28.0 |
| 25 | HVDC | JEYPORE-GAZUWAKA B/B | D/C | 0.0 | 661.0 | 0.0 | 15.7 | -15.7 |
| 26 | LINK | TALCHER-KOLAR BIPOLE | D/C | 0.0 | 1967.0 | 0.0 | 42.6 | -42.6 |
| 27 | 400 kV | TALCHER-I/C | D/C | 0.0 | 988.0 | 0.0 | 15.1 | -15.1 |
| 28 | 220 kV | BALIMELA-UPPER-SILERRU | S/C | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ER-SR | | | | | | 0.0 | 86.3 | -86.3 |
| Import/Export of ER (With NER) | | | | | | | | |
| 29 | 400 kV | BINAGURI-BONGAIGAON | D/C | 114 | 338 | 0.0 | 3.8 | -4 |
| 30 | | ALIPURDUAR-BONGAIGAON | D/C | 187 | 232 | 0.0 | 1.8 | -2 |
| 31 | 220 kV | ALIPURDUAR-SALAKATI | D/C | 21 | 91 | 0.0 | 1.0 | -1 |
| ER-NER | | | | | | 0.0 | 6.5 | -6.5 |
| Import/Export of NER (With NR) | | | | | | | | |
| 32 | HVDC | BISWANATH CHARIALI-AGRA | - | 0 | 652 | 0.0 | 12.1 | -12.1 |
| NER-NR | | | | | | 0.0 | 12.1 | -12.1 |
| Import/Export of WR (With NR) | | | | | | | | |
| 33 | HVDC | CHAMPA-KURUKSHETRA | D/C | 0 | 653 | 0.0 | 15.3 | -15.3 |
| 34 | | V'CHAL B/B | D/C | 241 | 0 | 6.0 | 0.0 | 6.0 |
| 35 | | APL -MHG | D/C | 0 | 981 | 0.0 | 24.2 | -24.2 |
| 36 | 765 kV | GWALIOR-AGRA | D/C | 0 | 874 | 0.0 | 26.4 | -26.4 |
| 37 | | PHAGI-GWALIOR | D/C | 0 | 1110 | 0.0 | 17.1 | -17.1 |
| 38 | | JABALPUR-ORAI | D/C | 328 | 254 | 0.9 | 0.0 | 0.9 |
| 39 | | GWALIOR-ORAI | S/C | 498 | 0 | 8.5 | 0.0 | 8.5 |
| 40 | 400 kV | SATNA-ORAI | S/C | 0 | 1609 | 0.0 | 35.0 | -35.0 |
| 41 | | ZERDA-KANKROLI | S/C | 447 | 0 | 7.2 | 0.0 | 7.2 |
| 42 | | ZERDA -BHINMAL | S/C | 344 | 61 | 2.9 | 0.0 | 2.9 |
| 43 | | V'CHAL -RIHAND | S/C | 488 | 0 | 11.3 | 0.0 | 11.3 |
| 44 | 220 kV | RAPP-SHUJALPUR | D/C | 478 | 0 | 4 | 0 | 4 |
| 45 | | BADOD-KOTA | S/C | 62 | 0 | 2.0 | 0.0 | 2.0 |
| 46 | | BADOD-MORAK | S/C | 40 | 52 | 0.2 | 0.2 | 0.1 |
| 47 | | MEHGAON-AURAIYA | S/C | 138 | 0 | 2.4 | 0.0 | 2.4 |
| 48 | 132kV | MALANPUR-AURAIYA | S/C | 99 | 0 | 1.7 | 0.0 | 1.7 |
| 49 | | GWALIOR-SAWAI MADHOPUR | S/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| WR-NR | | | | | | 46.6 | 118.2 | -71.5 |
| Import/Export of WR (With SR) | | | | | | | | |
| 50 | HVDC | BHADRAWATI B/B | - | 0 | 999 | 0.0 | 23.1 | -23.1 |
| 51 | LINK | BARSUR-L.SILERU | - | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 52 | 765 kV | SOLAPUR-RAICHUR | D/C | 10 | 2002 | 0.0 | 26.7 | -26.7 |
| 53 | | WARDHA-NIZAMABAD | D/C | 0 | 2067 | 0.0 | 31.2 | -31.2 |
| 54 | 400 kV | KOLHAPUR-KUDGI | D/C | 733 | 0 | 9.8 | 0.0 | 9.8 |
| 55 | | KOLHAPUR-CHIKODI | D/C | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 56 | 220 kV | PONDA-AMBEWADI | S/C | 1 | 0 | 0.0 | 0.0 | 0.0 |
| 57 | | XELDEM-AMBEWADI | S/C | 0 | 62 | 1.2 | 0.0 | 1.2 |
| WR-SR | | | | | | 11.0 | 81.0 | -70.0 |
| TRANSNATIONAL EXCHANGE | | | | | | | | |
| 58 | | BHUTAN | | | | | | 7.8 |
| 59 | | NEPAL | | | | | | -2.5 |
| 60 | | BANGLADESH | | | | | | -19.5 |

1). All India Power System Scenario - Comparison with the same week of previous year

Date of Reporting: 31.10.18

Northern Region

| | 24.10.18 TO 30.10.18 | 24.10.17 TO 30.10.17 | % Increase |
|---------------|----------------------|----------------------|------------|
| Peak Demand | 43126 | 42455 | 1.6 |
| Peak Shortage | 984 | 1397 | -29.6 |
| Energy Met | 935 | 902 | 3.7 |
| Hydro | 150 | 135 | 10.7 |
| Wind | 6 | 4 | 62.4 |

Eastern Region

| | 24.10.18 TO 30.10.18 | 24.10.17 TO 30.10.17 | % Increase |
|---------------|----------------------|----------------------|------------|
| Peak Demand | 19614 | 19245 | 1.9 |
| Peak Shortage | 333 | 124 | 168.2 |
| Energy Met | 391 | 373 | 4.7 |
| Hydro | 64 | 63 | 2.2 |
| Wind | - | - | - |

Western Region

| | 24.10.18 TO 30.10.18 | 24.10.17 TO 30.10.17 | % Increase |
|---------------|----------------------|----------------------|------------|
| Peak Demand | 51928 | 45181 | 14.9 |
| Peak Shortage | 28 | 72 | -60.9 |
| Energy Met | 1243 | 1060 | 17.3 |
| Hydro | 24 | 21 | 18.3 |
| Wind | 29 | 15 | 88.2 |

North-Eastern Region

| | 24.10.18 TO 30.10.18 | 24.10.17 TO 30.10.17 | % Increase |
|---------------|----------------------|----------------------|------------|
| Peak Demand | 2451 | 2400 | 2.1 |
| Peak Shortage | 75 | 112 | -33.3 |
| Energy Met | 44 | 41 | 5.0 |
| Hydro | 14 | 22 | -32.8 |
| Wind | - | - | - |

Southern Region

| | 24.10.18 TO 30.10.18 | 24.10.17 TO 30.10.17 | % Increase |
|---------------|----------------------|----------------------|------------|
| Peak Demand | 43472 | 37833 | 14.9 |
| Peak Shortage | 95 | 0 | -- |
| Energy Met | 993 | 844 | 17.6 |
| Hydro | 98 | 76 | 28.6 |
| Wind | 47 | 22 | 110.4 |

All India Summary

| | 24.10.18 TO 30.10.18 | 24.10.17 TO 30.10.17 | % Increase |
|---------------|----------------------|----------------------|------------|
| Peak Demand | 160591 | 147116 | 9.2 |
| Peak Shortage | 1515 | 1705 | -11.1 |
| Energy Met | 3605 | 3221 | 11.9 |
| Hydro | 350 | 316 | 10.9 |
| Wind | 82 | 41 | 97.8 |
| Gen Outage | 62361 | 68479 | -8.9 |

All India Frequency Profile

| Date | <49.7 | | 49.7-49.8 | | AVE. Freq. | FVI |
|-----------|----------|----------|-----------|----------|------------|-------|
| | 30.10.18 | 30.10.17 | 30.10.18 | 30.10.17 | | |
| All India | 0.0 | 0.0 | 0.8 | 0.1 | 49.96 | 0.051 |

| Date | 49.8-49.9 | | <49.9 | | 49.9-50.05 | | >50.05 | |
|-----------|-----------|----------|----------|----------|------------|----------|----------|----------|
| | 30.10.18 | 30.10.17 | 30.10.18 | 30.10.17 | 30.10.18 | 30.10.17 | 30.10.18 | 30.10.17 |
| All India | 14.00 | 7.79 | 14.81 | 7.8 | 80.58 | 82.01 | 4.61 | 10.14 |

Diversity factor for 30.10.18

| Regional Demand Diversity Factor | NR | WR | SR | ER | NER |
|----------------------------------|-------|-------|-------|-------|-------|
| | 1.023 | 1.015 | 1.072 | 1.029 | 1.046 |

| All India Demand Diversity Factor | Based on Regional Max Demands | Based on States' Max Demands |
|-----------------------------------|-------------------------------|------------------------------|
| | 1.019 | 1.055 |

Diversity Factor = Sum of constituent systems' max demands / System max demand

2). Market Data (Power Exchange)

For Date: 31.10.18

| Exchange | Volume | |
|--------------|-------------------|---------------|
| | Provisional (MUs) | Final (MUs) |
| PXI | 0.00 | 0.00 |
| IEX | 170.81 | 170.81 |
| Total | 170.81 | 170.81 |

| Link | Congestion | Time Block |
|-----------|------------|------------|
| NR DRAWAL | | NIL |
| ER-NR | | NIL |
| SR DRAWAL | | NIL |
| ER-SR | | NIL |

Unconstrained Market Clearing Price (Rs./kWh)

| | |
|-----|-------|
| Max | 16.00 |
| Min | 3.06 |
| Avg | 5.62 |

(C). GENERATION LOSS DUE TO LESS REQUISITION /HIGH COST

Date of Reporting: 31.10.2018

| | Station Name | Fuel Type | Installed Capacity (MW) | UNITS | | Average Declared Capacity | Average Schedule | Less Requisition |
|----|--------------|-----------------|-------------------------|-------|---------------|---------------------------|------------------|------------------|
| | | | | S/D | Fuel Shortage | | | |
| NR | ANTA | GAS | 419 | | | 0 | 1 | -1 |
| | | RLNG | | | | 78 | 6 | 73 |
| | | LF | | | | 0 | 0 | 0 |
| | | Total | | | | 78 | 6 | 72 |
| | AURAIYA | GAS | 663 | | | 0 | 1 | -1 |
| | | RLNG | | | | 315 | 5 | 311 |
| | | LF | | | | 0 | 0 | 0 |
| | | Total | | | | 315 | 6 | 310 |
| | DADRI | GAS | 830 | | | 109 | 108 | 1 |
| | | RLNG | | | | 241 | 9 | 232 |
| | | LF | | | | 168 | 167 | 1 |
| | | Total | | | | 518 | 284 | 233 |
| | | NR TOTAL | 1912 | | | 911 | 296 | 615 |
| WR | KAWAS | GAS | 656 | | | 250 | 249 | 1 |
| | | NAPM | | | | 84 | 82 | 2 |
| | | LF | | | | 0 | 0 | 0 |
| | | RLNG | | | | 301 | 111 | 189 |
| | | Total | | 0 | 0 | 635 | 443 | 192 |
| | GANDHAR | GAS | 657 | | | 66 | 65 | 1 |
| | | NAPM | | | | 0 | 0 | 0 |
| | | RLNG | | | | 366 | 56 | 309 |
| | | Total | | 0 | 0 | 432 | 122 | 310 |
| | RGPPL | GAS | 1967 | | | 0 | 0 | 0 |
| | | RLNG | | | | 0 | 0 | 0 |
| | | RLNG-IR | | | | 540 | 526 | 14 |
| | | Total | | 0 | 0 | 540 | 526 | 14 |
| | | WR TOTAL | 3280 | 0 | 0 | 1607 | 1090 | 517 |

Note:-

Report of loss of generation in respect of ISGS stations of WR and NR due to less requisition/high cost.

DATE OF REPORTING - 31.10.2018
GENERATION OUTAGE REPORT FOR 30.10.2018

| Name of Line | Voltage (kV) | Region | Ownership | Outage | | Revival | Reason |
|---|--------------|--------|-----------------|------------|---------------|---------|--|
| | | | | Date | Time | | |
| IR LINKS | | | | | | | |
| 1 RAJAGHIBHUPADAR.S/C | 230 | WR-ER | POWERGRID | 24-08-2018 | 8:45 | STL-OUT | For LLO at Rajghibhupad |
| 2 BALMELAU SILERU-1 | 230 | ER-SR | OPTCL/ASEB | 10-03-2018 | 22:45 | STL-OUT | L.A FAILURE AT UPPER SILERU END |
| 3 VINDHYACHAL HVDC/BTB BLOCK-2 | 500 HVDC | WR-NR | POWERGRID | 26-11-2017 | 14:45 | STL-OUT | DIFFERENTIAL PROTECTION OPERATED |
| 4 CHAMPANUR - KURUSHESTRANR) LINE -1 | 800 HVDC | NR-NR | POWERGRID | 28-09-2018 | 15:25 | STL-OUT | RV0 mech. |
| 5 AGRA - ALPUPUR-POLE-3 AT AGRA | 800 HVDC | ER-NR | POWERGRID | 29-10-2018 | 22:31 | STL-OUT | TO CONTROL O.V |
| 6 AGRA - BNC POLE -1 AT BNC | 800 HVDC | ER-NR | POWERGRID | 30-10-2018 | 22:43 | STL-OUT | TO CONTROL O.V |
| 7 CHIKODI-MUSINGI S/C | 230 | WR-SR | MSETCL | 28-08-2018 | 14:40 | STL-OUT | Outage is waiting on Bus section 3 at Musingsi s/c for maintenance |
| LINES OUT IN HIGH VOLTAGE | | | | | | | |
| NR | | | | | | | |
| 1 FATHABAD 765(UPL)ALPUPUR TPS(L)PG-1,2 | 765 | NR | UPPCL | 22-10-18 | 19:47 | STL-OUT | HIGH VOLTAGE |
| 2 AGRA FATHPUR-2 | 765 | NR | PCCL | 30-10-18 | 19:12 | STL-OUT | HIGH VOLTAGE |
| 3 MEERUT - MOGA | 765 | NR | PCCL | 30-10-18 | 20:09 | STL-OUT | HIGH VOLTAGE |
| 4 MARIKI - MUKESAR -1 | 400 | NR | PTCL | 29-10-18 | 21:09 | STL-OUT | HIGH VOLTAGE |
| 5 BIKANER-DIDWANA-1 | 400 | NR | REVPNL | 30-10-18 | 20:10 | STL-OUT | HIGH VOLTAGE |
| 6 AMRITSAR PABB-PO-1 | 400 | NR | PCCL | 30-10-18 | 20:15 | STL-OUT | HIGH VOLTAGE |
| 7 AGRA SIKAR-2 | 400 | NR | PCCL | 30-10-18 | 20:16 | STL-OUT | HIGH VOLTAGE |
| 8 RATANGARH(RVPL) - SIKAR (PG) -1 | 400 | NR | PCCL | 30-10-18 | 20:17 | STL-OUT | HIGH VOLTAGE |
| 9 AGRA-BHWADI-2 | 400 | NR | PCCL | 30-10-18 | 20:17 | STL-OUT | HIGH VOLTAGE |
| 10 BHOWANPUR-NARANA-1 | 400 | NR | PCCL | 30-10-18 | 20:19 | STL-OUT | HIGH VOLTAGE |
| 11 NALLAGARHPUR-PARBATI POOL(PG) | 400 | NR | PTCL | 30-10-18 | 20:19 | STL-OUT | HIGH VOLTAGE |
| 12 KURUSHESTRANR)PG-SONPAT-1 | 400 | NR | PCCL | 30-10-18 | 20:21 | STL-OUT | HIGH VOLTAGE |
| 13 FATHABAD-SIKAR | 400 | NR | PCCL | 30-10-18 | 20:21 | STL-OUT | HIGH VOLTAGE |
| 14 NHEEMANA-SIKAR-1 | 400 | NR | PCCL | 30-10-18 | 20:25 | STL-OUT | HIGH VOLTAGE |
| 15 KURUSHESTRANR)PG-NARODAR(PSEB) | 400 | NR | PCCL | 30-10-18 | 20:26 | STL-OUT | HIGH VOLTAGE |
| 16 KURUSHESTRANR)MALERKOTLA(PG)-1 | 400 | NR | NKSS/IB | 30-10-18 | 21:28 | STL-OUT | HIGH VOLTAGE |
| 17 BHAMIPUR(PG)-JALANDHAR(PG)-1 | 400 | NR | PCCL | 30-10-18 | 21:39 | STL-OUT | HIGH VOLTAGE |
| 18 CHAMBERA POOL -JALANDHAR-2 | 400 | NR | PCCL | 30-10-18 | 21:39 | STL-OUT | HIGH VOLTAGE |
| 19 NALLAGARH-PATLA-1 | 400 | NR | PCCL | 30-10-18 | 21:41 | STL-OUT | HIGH VOLTAGE |
| 20 JOBPUR-EMERTA-2 | 400 | NR | REVPNL | 30-10-18 | 22:10 | STL-OUT | HIGH VOLTAGE |
| 21 RATANGARH-SURTAGARH-2 | 400 | NR | REVPNL | 30-10-18 | 22:17 | STL-OUT | HIGH VOLTAGE |
| WR | | | | | | | |
| 1 DHARAMJIYAGAR(PG)-JABALPUR(PG)-1 | 765 | WR | PCCL | 23-10-18 | 18:36 | STL-OUT | HIGH VOLTAGE |
| 2 AURANGABAD (PG) -PADGE (PG)-II | 765 | WR | PCCL | 24-10-18 | 17:45 | STL-OUT | HIGH VOLTAGE |
| 3 DURG-KOTRA-1 | 765 | WR | PCCL | 28-10-18 | 20:16 | STL-OUT | HIGH VOLTAGE |
| 4 RAIPUR-PSDURG-WARDHA(PG)-1 | 765 | WR | PCCL | 28-10-18 | 22:35 | STL-OUT | HIGH VOLTAGE |
| 5 AURANGABAD-WARDHA-IV | 765 | WR | PCCL | 29-10-18 | 18:46 | STL-OUT | HIGH VOLTAGE |
| 6 NEW FARULI-SOLAPUR-I | 765 | WR | PCCL | 30-10-18 | 20:22 | STL-OUT | HIGH VOLTAGE |
| 7 BHACHAUPUR-ESSAR VADNAR(GE)TCO-1 | 400 | WR | PCCL | 07-10-17 | 20:00 | STL-OUT | HIGH VOLTAGE |
| 8 BHACHAUPUR-ESSAR VADNAR(GE)TCO-2 | 400 | WR | PCCL | 08-10-17 | 15:56 | STL-OUT | HIGH VOLTAGE |
| 9 HADOLA-YADRI | 400 | WR | GETCO | 26-10-18 | 19:27 | STL-OUT | HIGH VOLTAGE |
| 10 DHULE-SARDAR SAROVAR-I | 400 | WR | MSETCL | 30-10-18 | 17:37 | STL-OUT | HIGH VOLTAGE |
| 11 KOLHAPUR GIS(PG)-MARPUS(PG)-II | 400 | WR | PCCL | 30-10-18 | 17:45 | STL-OUT | HIGH VOLTAGE |
| 12 HADOLA-AMERI | 400 | WR | GETCO | 30-10-18 | 19:28 | STL-OUT | HIGH VOLTAGE |
| 13 CHORANA-VADAV-I | 400 | WR | GETCO | 30-10-18 | 19:40 | STL-OUT | HIGH VOLTAGE |
| 14 KOSAMBA-CHORANA-II | 400 | WR | GETCO | 30-10-18 | 19:42 | STL-OUT | HIGH VOLTAGE |
| 15 KASARGUR(PG)-KASAR(GE)TCO-1 | 400 | WR | GETCO | 30-10-18 | 20:02 | STL-OUT | HIGH VOLTAGE |
| 16 SUXEN-PRANAS-S/C | 400 | WR | GETCO | 30-10-18 | 20:03 | STL-OUT | HIGH VOLTAGE |
| 17 KOSAMBA-KAL-I | 400 | WR | GETCO | 30-10-18 | 20:04 | STL-OUT | HIGH VOLTAGE |
| 18 KANSAR(VADAV-I) | 400 | WR | PCCL | 30-10-18 | 20:06 | STL-OUT | HIGH VOLTAGE |
| 19 CGPL-BACHHAU-III | 400 | WR | PCCL | 30-10-18 | 21:13 | STL-OUT | HIGH VOLTAGE |
| 20 RAJGARH-KASAR-ITSC | 400 | WR | PCCL | 23-10-18 | 19:32 | STL-OUT | HIGH VOLTAGE |
| SR | | | | | | | |
| 1 JAMMAL AMATHI (UPL) W AVARONDA -2 | 400 | SR | APTRANSCO | 22-09-2018 | 22:54 | STL-OUT | HIGH VOLTAGE |
| 2 MITYAYADA-VEMAGRI(PG)-1 | 400 | SR | POWERGRID | 29-10-2018 | 01:33 | STL-OUT | HIGH VOLTAGE |
| 3 GAITAM-VEMAGRI-AP-2 | 400 | SR | APTRANSCO | 04-10-2018 | 15:05 | STL-OUT | HIGH VOLTAGE |
| 4 PAVAGADA-BHIDYER-2 | 400 | SR | POWERGRID | 29-10-2018 | 22:06 | STL-OUT | HIGH VOLTAGE |
| 5 PAVAGADA-TEJARI-1 | 400 | SR | OPTCL-POWERGRID | 30-10-2018 | 21:24 | STL-OUT | HIGH VOLTAGE |
| 6 CUDAPAH-TIBRULAM-I | 765 | SR | POWERGRID | 30-10-2018 | 21:43 | STL-OUT | HIGH VOLTAGE |
| 7 NIRMAL-SINDLA-K | 400 | SR | TSTRANSCO | 24-09-2018 | 23:26 | STL-OUT | HIGH VOLTAGE |
| 8 NANDEPUR-JAMMALAMADUGI-1 | 400 | SR | APTRANSCO | 14-10-2018 | 23:07 | STL-OUT | HIGH VOLTAGE |
| 9 KARAKULDEKAYATHAR-1 | 400 | SR | TANTRANSCO | 19-10-2018 | 03:44 | STL-OUT | HIGH VOLTAGE |
| 10 MAYAKABAM-SIBRABPT-2 | 400 | SR | TSTRANSCO | 16-10-2018 | 19:42 | STL-OUT | HIGH VOLTAGE |
| 11 SURYAPUR-KOTLA | 400 | SR | APTRANSCO | 09-10-2018 | 09:10 | STL-OUT | HIGH VOLTAGE |
| ER | | | | | | | |
| NER | | | | | | | |
| 1 BALIPARA - BONGAGAN-IV | 400 | NER | POWERGRID | 30-10-18 | 21:04 | STL-OUT | HT DUE TO HV |
| LINES UNDER BD | | | | | | | |
| CENTRAL SECTOR | | | | | | | |
| 1 ATHENA-KOTRAPP-1 | 400 | WR | PCCL | 30-04-2016 | 22:02 | STL-OUT | Y-PH DFD/DT RELAY OPERATED AT ATHENA. PROVISION OF D |
| 2 ATHENA-KOTRAPP-2 | 400 | WR | PCCL | 01-05-2016 | 11:46 | STL-OUT | FOR TESTING AND CHARGING WORKS KEPT OUT AFTER PFC |
| 3 KOMBANPUR-KARAWA-W-1 | 400 | WR | PCCL | 29-08-2018 | 23:45 | STL-OUT | OPEN AT BOTH ENDS TO CONTROL FAULT LEVEL AT KARBIA |
| 4 AURANGABAD-BOSAR-II | 400 | WR | PCCL | 29-10-2018 | 3:08 | STL-OUT | TO CONTROL LOADING ON BOSAR RCTS |
| 5 SRAKULAM-MARADAM-2 | 400 | WR | POWERGRID | 11-10-2018 | 07:42 | STL-OUT | COMPLETE OUTAGE OF SRAKULAM SUBSTATION DUE TO |
| 6 HINDUPUR-SP-KUNTA-1 | 400 | SR | POWERGRID | 11-10-2018 | 19:33 | STL-OUT | HAND TRIPPED AFTER TRAIL OPERATION |
| 7 HINDUPUR-SP-KUNTA-2 | 400 | SR | POWERGRID | 11-10-2018 | 19:34 | STL-OUT | HAND TRIPPED AFTER TRAIL OPERATION |
| 8 ANAKADAVU-THAPPUKUNDU-1 | 400 | SR | TANTRANSCO | 23-10-2018 | 20:19 | STL-OUT | HAND TRIPPED AFTER CHARGING |
| 9 ANAKADAVU-THAPPUKUNDU-2 | 400 | SR | TANTRANSCO | 23-10-2018 | 20:15 | STL-OUT | HAND TRIPPED AFTER CHARGING |
| 10 SRAKULAM-MARADAM-1 | 400 | SR | POWERGRID | 30-10-2018 | 07:35 | STL-OUT | EMERGENCY WORK |
| 11 PATNA-KISHANGAN-D/C | 400 | ER | POWERGRID | 01-09-2018 | 0:32 | STL-OUT | TOWER COLLAPSE AT LOC 129- PILLING DAMAGED |
| STATE SECTOR | | | | | | | |
| 1 ALLAHABAD-BINA-ROAD(400KV)- OBRHA | 400 | NR | UPPCL | 14-10-2018 | 4:45 | STL-OUT | TRIPPED DUE TO FIRE IN CABLE GALLERY AT OBRHA END |
| 2 DHULE-BABHESHVAR-I | 400 | WR | MSETCL | 01-06-2018 | 16:42 | STL-OUT | TOWER COLLAPSE. Y-PH FAULT. TOWERS COLLAPSED BEI |
| 3 DHULE-BABHESHVAR-II | 400 | WR | MSETCL | 01-06-2018 | 16:42 | STL-OUT | TOWER COLLAPSE & Y-B FAULT. TOWERS COLLAPSED BEI |
| 4 VSP/SHIB-VSP/SHIB-HELINE-II | 400 | WR | NTPC | 27-10-2018 | 19:29 | STL-OUT | TO CONTROL FAULT LEVEL |
| 5 VSP/SHIB-VSP/SHIB-HELINE-I | 400 | WR | NTPC | 27-10-2018 | 19:29 | STL-OUT | TO CONTROL FAULT LEVEL |
| 6 SAMAGURI - SONABLI -1 | 220 | NER | AGCL | 07-08-2018 | 12:14 | STL-OUT | TRIPPED ON DP |
| 7 PANCHGRAM - SIKRGA | 132 | NER | AGCL | 14-06-2018 | 16:56 | STL-OUT | TRIPPED DUE TO TOWER COLLAPSE |
| 8 GVK-VEMAGRI-AP-2 | 400 | SR | APTRANSCO | 10-10-2018 | 14:44 | STL-OUT | SWAPPING |
| 9 NPS-TPC-II | 400 | SR | TPCL | 30-10-2018 | 09:53 | STL-OUT | CT REPLACEMENT WORK |
| 10 BHEL-BHASKRUDA-D/C | 400 | ER | BHEL | 29-10-2018 | 17:30 | STL-OUT | TOWER COLLAPSE AT LOC 44.5 |
| 11 NEW PURNIA-BIHARSARIF(PG)-D/C | 400 | ER | ENICL | 10-08-2018 | 10:28 | STL-OUT | TOWER COLLAPSE AT LOC 44.0 |
| LINES UNDER S/D | | | | | | | |
| CENTRAL SECTOR | | | | | | | |
| 1 DADRINT(C) MANDOLA(PG)-2 | 400 | NR | PCCL | 22-10-2018 | 10:42 | STL-OUT | FOR INSTALLATION, TESTING & COMMISSIONING OF 12 |
| 2 AMARGARH 400(NR29)URI ENHPC) 2 | 400 | NR | PCCL | 29-10-2018 | 10:13 | STL-OUT | REPLACEMENT OF COMPLETE POWER CABLE AND OTHER |
| 3 BINA(PG)-NHPTL(BINA)-S/C | 765 | WR | PCCL | 13-09-2017 | 16:45 | STL-OUT | LINE OPENED AFTER CLOSURE OF TESTING WINDOW |
| 4 400KV BINA(PG)-NHPTL(BINA)-S/C | 400 | WR | PCCL | 13-10-2018 | 13:58 | STL-OUT | LINE WAS DISCHARGED AFTER COMPLETION OF TESTING |
| 5 SUNBERGARH-KARAKH-I | 400 | WR | PCCL | 28-10-2018 | 8:57 | STL-OUT | FOR ERECTION AND STRINGING WORK OF UNDER |
| 6 KHANDWA-KHARGONE-I | 400 | WR | PCCL | 22-10-2018 | 8:53 | STL-OUT | LINE DIVERSION FOR LAYING OF RAILWAY TRACK FOR |
| 7 DIMAPUR - IMPHAL | 132 | NER | POWERGRID | 25-07-2018 | 18:22 | STL-OUT | HT AS LOC NO 390 HAS BECOME EXTREMELY |
| 8 TALA BINAGURI - II | 400 | ER | POWERGRID | 17-10-2018 | 12:59 | STL-OUT | TO CONTROL OVER VOLTAGE AT TALA END, AS |
| 9 TALA BINAGURI - IV | 400 | ER | POWERGRID | 18-10-2018 | 1:25 | STL-OUT | INSULATOR DECAPPED AT TOWER NO 11 BHUTAN |
| 10 RAKARH BHASKRUDA I AND III | 400 | ER | POWERGRID | 28-10-2018 | 08:57 / 09:05 | STL-OUT | MGR CONSTRUCTION WORK AT LARA |
| STATE SECTOR | | | | | | | |
| 1 BHAMNUL(DTL)-TIGHARAKARAD(PG)-1 | 400 | NR | DTL | 12-10-2018 | 8:15 | STL-OUT | SD TAKEN BY DTL FOR REPLACEMENT OF TOWER NO 173(B |
| 2 KAL-BARMER-I | 400 | NR | REVPNL | 22-10-2018 | 12:32 | STL-OUT | 400 KV KAL-BARMER LINE TO BE REMOVED FROM GANT |
| 3 KARAD SOLAPUR(DLE) CHARGED PORTION AT KARAD-S/C | 400 | WR | RETEL | 15-11-2017 | 9:40 | STL-OUT | QUARTERLY MAINT AT KARAD AND LINE MAINT WORK BY T |
| 4 IMPHAL - NINGTHUKONG | 132 | NER | MANIPUR | 21-10-2018 | 13:52 | STL-OUT | S/D AVAILED BY MANIPUR |
| 5 DHARMANAGAR - DULLAVCHERRA | 132 | NER | AGCL & TSECL | 34-10-2018 | 12:25 | STL-OUT | S/D AVAILED BY AGCL & TSECL |
| 6 GAZUWAKA-KALPAKKA-I | 400 | SR | APTRANSCO | 29-10-2018 | 09:35 | STL-OUT | FOR RETROFITTING TESTING AND COMMISSIONING OF LINE |
| 7 DRCHH - RANPUR | 400 | ER | DTPL | 06-07-2018 | 8:11 | STL-OUT | INITIALLY S/D AVAILED BY DTPL LINE COULD NOT BE CL |
| LINES OUT DUE TO SYSTEM CONSTRAINT(S) | | | | | | | |
| CENTRAL SECTOR | | | | | | | |
| 1 GOBPUR - NIRJALI | 132 | NER | POWERGRID | 30-09-2018 | 17:22 | STL-OUT | HT DUE TO SYSTEM REQUIREMENT |
| STATE SECTOR | | | | | | | |

All India Energy Balance for ISTS for 30-Oct-2018

| | Schedule | Actual | Deviation |
|-----------------------------|----------|--------|-----------|
| Northern Region | | | |
| Injection | 324.5 | 330.6 | 6.1 |
| Drawal | 440.8 | 421.8 | -19.0 |
| Transnational | -0.3 | 0.2 | 0.4 |
| Western Region | | | |
| Injection | 688.7 | 694.1 | 5.3 |
| Drawal | 486.0 | 485.2 | -0.9 |
| Southern Region | | | |
| Injection | 302.4 | 285.9 | -16.5 |
| Drawal | 404.3 | 422.7 | 18.4 |
| Eastern Region | | | |
| Injection | 204.2 | 206.0 | 1.8 |
| Drawal | 122.2 | 132.7 | 10.5 |
| Transnational | -18.6 | -19.5 | -1.0 |
| North Eastern Region | | | |
| Injection | 39.2 | 40.7 | 1.5 |
| Drawal | 33.5 | 34.8 | 1.3 |
| All India | | | |
| Injection, "A" | 1559.1 | 1557.3 | -1.8 |
| Drawal, "B" | 1486.8 | 1497.1 | 10.3 |
| Transnational, "C" | -18.9 | -13.7 | 5.2 |
| Regional Losses (MU) | | | |
| NR | 18.4 | 13.8 | |
| WR | 25.7 | 19.3 | |
| SR | 6.8 | -7.2 | |
| ER | 2.6 | 6.9 | |
| NER | 1.2 | 0.9 | |
| All India Loss | | | |
| Loss(MU), "D" = A-B+C | 53.4 | 46.5 | |
| Loss(%), "E" = D/A | 3.42 | 2.98 | |

* All figures in MU unless specified otherwise

Note: Injection is the sum of injection by each regional entity power stations.

Drawal is the sum of drawal by each regional entity drawal utility.

| Northern Region Energy Balance for ISTS for 30-Oct-2018 | | | | | |
|---|-------------------------------------|-----------------|--------------|--------------|--------------|
| Sl. No. | | | Schedule | Actual | Deviation |
| A | States | | | | |
| 1 | Punjab | | 33.7 | 33.0 | -0.7 |
| 2 | Haryana | | 87.9 | 87.7 | -0.1 |
| 3 | Rajasthan | | 50.9 | 71.4 | 2.2 |
| 4 | Delhi | | 53.2 | 53.0 | -0.2 |
| 5 | UP | | 115.8 | 116.3 | 0.5 |
| 6 | Uttarakhand | | 15.5 | 16.1 | 0.6 |
| 7 | HP | | 15.9 | 17.7 | 1.8 |
| 8 | J & K | | 37.6 | 23.4 | -14.2 |
| 9 | Chandigarh | | 3.2 | 3.3 | 0.1 |
| | Total Drawal | | 413.4 | 421.8 | -10.0 |
| B | Regional Entities Generation | | | | |
| 1 | Karcham Wangtoo HPS | 1000 MW | 6.0 | 6.1 | 0.1 |
| 2 | Nathpa-Jhakri HPS | 1500 MW | 11.5 | 11.8 | 0.3 |
| 3 | Unchahar III TPS | 210 MW | 4.2 | 4.5 | 0.3 |
| 4 | Unchahar IV TPS | 500 MW | 0.0 | - | 0.0 |
| 5 | Chamera II HPS | 300 MW | 2.5 | 2.7 | 0.2 |
| 6 | Chamera III HPS | 231 MW | 1.5 | 1.6 | 0.1 |
| 7 | Uri-II HPS | 240 MW | 1.9 | 2.1 | 0.2 |
| 8 | Bairasiul HPS | 180 MW | 0.0 | 0.0 | 0.0 |
| 9 | Tanakpur HPS | 94 MW | 1.3 | 1.3 | 0.0 |
| 10 | Shree Cement (IPP) TPS | 300 MW | 7.0 | 6.8 | -0.1 |
| 11 | Budhil HPS (IPP) | 70 MW | 0.5 | 0.4 | -0.1 |
| 12 | ADHPL(IPP) HPS | 192 MW | 1.0 | 1.0 | 0.1 |
| 13 | Sainj HEP | 100 MW | 0.8 | 0.9 | 0.1 |
| 14 | Malana2 | 100 MW | 0.3 | 0.4 | 0.0 |
| 15 | Parbati III HEP | 520 MW | 0.9 | 0.9 | 0.0 |
| 16 | Koldam HPS | 800 MW | 4.3 | 4.6 | 0.3 |
| 17 | ISTPP (Jhajjar) | 1500 MW | 22.3 | 22.0 | -0.3 |
| 18 | Koteshwar HPS | 400 MW | 2.5 | 2.6 | 0.1 |
| 19 | Dadri Solar | 5 MW | 0.0 | 0.0 | 0.0 |
| 20 | Unchahar Solar | 10 MW | 0.1 | 0.1 | 0.0 |
| 21 | Singrauli Solar | 15 MW | 0.1 | 0.1 | 0.0 |
| 22 | Kishanganga | 330 MW | 0.8 | 0.8 | 0.0 |
| 23 | Rampur HEP | 412 MW | 3.2 | 3.4 | 0.2 |
| 24 | TEHRI HPS | 1000 MW | 7.0 | 7.2 | 0.2 |
| 25 | Bhakra HPS | 1379 MW | 14.0 | 14.4 | 0.4 |
| 26 | Dehar HPS | 990 MW | 6.1 | 6.3 | 0.2 |
| 27 | Pong HPS | 396 MW | 6.2 | 6.2 | 0.0 |
| 28 | Singrauli STPS | 2000 MW | 43.4 | 43.7 | 0.4 |
| 29 | Rihand-I STPS | 1000 MW | 22.1 | 22.5 | 0.4 |
| 30 | Rihand-II STPS | 1000 MW | 22.6 | 22.7 | 0.2 |
| 31 | Rihand-III STPS | 1000 MW | 11.3 | 11.6 | 0.3 |
| 32 | Dadri-I TPS | 840 MW | 11.5 | 11.2 | -0.2 |
| 33 | Dadri-II TPS | 980 MW | 16.9 | 16.6 | -0.3 |
| 34 | Unchahar TPS | 420 MW | 8.5 | 8.8 | 0.3 |
| 35 | Anta GPS | 419 MW | 7.7 | 7.6 | -0.1 |
| 36 | Auraiya GPS | 663 MW | 10.9 | 11.0 | 0.1 |
| 37 | Dadri GPS | 830 MW | 12.7 | 12.8 | 0.1 |
| 38 | Salal HPS | 690 MW | 3.9 | 4.5 | 0.7 |
| 39 | Chamera HPS | 540 MW | 3.8 | 4.0 | 0.2 |
| 40 | URI HPS | 480 MW | 3.3 | 4.0 | 0.7 |
| 41 | Dhauliganga HPS | 280 MW | 1.9 | 1.9 | 0.1 |
| 42 | Dulhasti HPS | 390 MW | 5.1 | 5.2 | 0.1 |
| 43 | Sewa-II HPS | 120 MW | 0.5 | 0.5 | 0.0 |
| 44 | NAPS | 440 MW | 9.6 | 9.6 | 0.0 |
| 45 | RAPS-B | 440 MW | 4.7 | 4.7 | 0.0 |
| 46 | RAPS-C | 440 MW | 10.0 | 10.1 | 0.2 |
| 47 | Unchahar II TPS | 420 MW | 8.7 | 9.2 | 0.5 |
| | Total Generation | 26166 MW | 324.5 | 330.6 | 6.1 |
| C | Inter Regional Exchange | | 134.5 | 105.3 | -29.2 |
| D | Trans-National Exchange | | -0.3 | 0.2 | |
| E | RRAS | | 27.4 | | |
| F | ISTS Loss (MU) | | 18.4 | 13.8 | |
| | ISTS Loss (%) | | 4.02 | 3.18 | |

| Western Region Energy Balance for ISTS for 30-Oct-2018 | | | | | |
|--|-------------------------------------|-----------------|---------------|---------------|--------------|
| Sl. No. | | Schedule | Actual | Deviation | |
| A | States | | | | |
| 1 | Gujarat | 106.0 | 111.9 | 5.9 | |
| 2 | Madhya Pradesh | 140.3 | 137.4 | -2.9 | |
| 3 | Chattisgarh | 32.6 | 32.0 | -0.6 | |
| 4 | Maharashtra | 162.0 | 159.7 | -2.3 | |
| 5 | Goa | 8.9 | 9.2 | 0.2 | |
| 6 | Daman & Diu | 6.2 | 7.2 | 1.0 | |
| 7 | Dadra & Nagar Haveli | 15.2 | 16.0 | 0.8 | |
| 8 | Essar Steel | 12.0 | 11.7 | -0.3 | |
| | Total Drawal | 483.2 | 485.2 | 2.0 | |
| B | Regional Entities Generation | | | | |
| 1 | Korba-I&II | 2100 MW | 31.4 | 31.0 | -0.3 |
| 2 | Korba-III | 500 MW | 11.3 | 11.9 | 0.6 |
| 3 | Vindhyachal-I | 1260 MW | 24.9 | 27.6 | 2.7 |
| 4 | Vindhyachal-II | 1000 MW | 22.6 | 24.2 | 1.6 |
| 5 | Vindhyachal-III | 1000 MW | 22.6 | 25.7 | 3.1 |
| 6 | Vindhyachal-IV | 1000 MW | 22.6 | 22.5 | -0.2 |
| 7 | Sipat-I | 1980 MW | 11.2 | 11.4 | 0.2 |
| 8 | Sipat-II | 1000 MW | 44.8 | 45.7 | 0.9 |
| 9 | Mouda-I | 1000 MW | 17.8 | 18.1 | 0.3 |
| 10 | Sasan | 3960 MW | 20.9 | 19.5 | -1.4 |
| 11 | Mundra | 4150 MW | 88.4 | 91.2 | 2.8 |
| 12 | NSPCL | 500 MW | 63.1 | 61.4 | -1.7 |
| 13 | Kakrapar | 440 MW | 9.8 | 10.8 | 1.0 |
| 14 | Tarapur I | 320 MW | 4.6 | 4.3 | -0.3 |
| 15 | Tarapur-II | 1080 MW | 6.1 | 6.1 | 0.1 |
| 16 | Kawas | 656 MW | 23.5 | 23.9 | 0.4 |
| 17 | Gandhar | 657 MW | 10.6 | 10.4 | -0.2 |
| 18 | E-Bid RGPPL | 1000 MW | 2.9 | 2.6 | -0.3 |
| 19 | SSP | 1450 MW | 12.6 | 12.1 | -0.5 |
| 20 | Mouda-II | 500 MW | 3.4 | 3.5 | 0.1 |
| 21 | NTPC Sholapur | 660 MW | 3.6 | 3.2 | -0.4 |
| 22 | CS Solar | | 13.0 | 12.4 | -0.6 |
| 23 | Essar Mahan | 600 MW | 0.0 | -0.2 | -0.2 |
| 24 | Balco | 1200 MW | 8.4 | 8.4 | 0.0 |
| 25 | JP Nigrie | 1320 MW | 29.2 | 29.6 | 0.4 |
| 26 | Lanco | 600 MW | 12.6 | 12.8 | 0.3 |
| 27 | KSK Mahnadi | 1200 MW | 26.9 | 27.1 | 0.2 |
| 28 | Jindal Stg-1 | 1000 MW | 7.8 | 10.3 | 2.5 |
| 29 | Jindal Stg-2 | 1800 MW | 20.5 | 20.8 | 0.2 |
| 30 | DCPP | 540 MW | 2.5 | 2.5 | 0.0 |
| 31 | Korba West | 600 MW | 0.0 | 0.0 | 0.0 |
| 32 | DBPower | 1200 MW | 22.5 | 16.8 | -5.7 |
| 33 | EMCO | 600 MW | 13.2 | 13.3 | 0.1 |
| 34 | ACBIL+ Spectrum+MCPL | 620 MW | 9.2 | 9.0 | -0.2 |
| 35 | Dhariwal | 300 MW | 6.3 | 6.3 | 0.0 |
| 36 | SKS | 0 MW | 0.0 | -0.1 | -0.1 |
| 37 | RKM | 720 MW | 4.6 | 4.7 | 0.1 |
| 38 | MB Power | 1200 MW | 15.1 | 15.3 | 0.2 |
| 39 | GMR Chhattisgarh | 1370 MW | 10.6 | 10.3 | -0.3 |
| 40 | DGEN | 1200 MW | 0.0 | -0.1 | -0.1 |
| 41 | Jhabua | 600 MW | 9.6 | 9.6 | 0.0 |
| 42 | TRN Energy | 600 MW | 6.8 | 6.9 | 0.1 |
| 43 | Vindhyachal-V | 500 MW | 11.2 | 11.3 | 0.1 |
| | Total Generation | 43983 MW | 688.7 | 694.1 | 5.3 |
| C | Inter Regional Exchange | | -177.0 | -189.6 | -12.6 |
| D | RRAS | | 2.8 | | |
| F | ISTS loss (MU) | | 25.7 | 19.3 | |
| | ISTS loss (%) | | 3.74 | 2.78 | |

| Southern Region Energy Balance for ISTS for 30-Oct-2018 | | | | | |
|---|-------------------------------------|-----------------|--------------|--------------|--------------|
| Sl. No. | | | Schedule | Actual | Deviation |
| A | States | | | | |
| 1 | Andhra Pradesh | | 64.6 | 72.8 | 8.2 |
| 2 | Telangana | | 89.6 | 91.6 | 2.0 |
| 3 | Karnataka | | 46.1 | 48.6 | 2.5 |
| 4 | Kerala | | 42.7 | 43.9 | 1.3 |
| 5 | Tamil Nadu | | 154.0 | 158.8 | 4.8 |
| 6 | Pondicherry | | 7.1 | 7.0 | -0.1 |
| | Total Drawal | | 404.0 | 422.7 | 18.6 |
| B | Regional Entities Generation | | | | |
| 1 | Coastal Energen | 1200 MW | 13.4 | 13.5 | 0.1 |
| 2 | IL&FS | 1200 MW | 13.3 | 13.1 | -0.2 |
| 3 | Kaiga STG II | 440 MW | 9.5 | 9.5 | 0.0 |
| 4 | Kaiga STGI | 440 MW | 9.9 | 10.0 | 0.1 |
| 5 | Kudankulam | 2000 MW | 20.2 | 20.3 | 0.1 |
| 6 | NTPC Kudgi | 2400 MW | 11.9 | 11.3 | -0.6 |
| 7 | LKPPL STG2 | 366 MW | 0.0 | 0.0 | 0.0 |
| 8 | LKPPL STG3 | 732 MW | 0.0 | 0.0 | 0.0 |
| 9 | Madras APS | 440 MW | 3.6 | 3.7 | 0.0 |
| 10 | Meenakshi | 300 MW | 0.0 | 0.0 | 0.0 |
| 11 | NTPL | 1000 MW | 22.3 | 22.3 | 0.0 |
| 12 | Neyveli TPS I (EXP) | 420 MW | 9.2 | 9.9 | 0.6 |
| 13 | Neyveli TPS II | 1470 MW | 25.4 | 25.8 | 0.3 |
| 14 | Neyveli TPS II (EXP) | 500 MW | 0.0 | 0.0 | 0.0 |
| 15 | Ramagundam,NTPC | 2600 MW | 46.5 | 46.3 | -0.2 |
| 16 | SEIL | 1320 MW | 15.0 | 0.0 | -15.0 |
| 17 | SGPL | 1320 MW | 22.4 | 21.3 | -1.1 |
| 18 | Simhapuri | 600 MW | 0.0 | 0.0 | 0.0 |
| 19 | Simhadri I, NTPC | 1000 MW | 13.4 | 13.3 | -0.1 |
| 20 | Simhadri II, NTPC | 1000 MW | 22.6 | 22.0 | -0.6 |
| 21 | Talcher II, NTPC | 2000 MW | 27.4 | 27.9 | 0.5 |
| 22 | Vallur | 1500 MW | 16.5 | 16.0 | -0.6 |
| | Total Generation | 24248 MW | 302.4 | 285.9 | -16.5 |
| C | Inter Regional Exchange | | 108.6 | 129.5 | 20.9 |
| D | RRAS | | 0.2 | | |
| E | ISTS loss (MU) | | 6.8 | -7.2 | |
| | ISTS loss (%) | | 1.65 | -1.74 | |

| Eastern Region Energy Balance for ISTS for 30-Oct-2018 | | | | | |
|--|-------------------------------------|-----------------|--------------|--------------|-------------|
| Sl. No. | | | Schedule | Actual | Deviation |
| A | States | | | | |
| 1 | Bihar | | 73.3 | 77.9 | 4.6 |
| 2 | DVC | | -26.2 | -25.3 | 0.9 |
| 3 | Jharkhand | | 15.6 | 17.2 | 1.6 |
| 4 | Odisha | | 31.3 | 32.8 | 1.6 |
| 5 | West Bengal | | 26.8 | 28.8 | 2.0 |
| 6 | Sikkim | | 1.2 | 1.3 | 0.1 |
| 7 | Total Drawal | | 122.0 | 132.7 | 10.7 |
| B | Regional Entities Generation | | | | |
| 1 | Farakka STPS - I & II | 1600 MW | 35.9 | 36.1 | 0.2 |
| 2 | Farakka STPS - III | 500 MW | 11.0 | 10.8 | -0.2 |
| 3 | Kahalgaon STPS - I | 840 MW | 12.0 | 12.1 | 0.0 |
| 4 | Kahalgaon STPS - II | 1500 MW | 24.6 | 24.8 | 0.2 |
| 5 | Barh STPS - I & II | 1320 MW | 29.6 | 29.5 | -0.1 |
| 6 | Talcher STPS - I | 1000 MW | 10.4 | 10.8 | 0.4 |
| 7 | Nabinagar | 500 MW | 7.4 | 8.2 | 0.8 |
| 8 | Teesta | 510 MW | 6.0 | 6.4 | 0.4 |
| 9 | Rangit | 60 MW | 1.1 | 1.2 | 0.1 |
| 10 | Kurichu | 60 MW | 0.1 | 0.6 | 0.5 |
| 11 | Tala | 1020 MW | 6.1 | 5.5 | -0.6 |
| 12 | Chukha | 336 MW | 1.3 | 1.1 | -0.2 |
| 13 | Dagachu | 126 MW | | 0.0 | 0.0 |
| 14 | MPL | 1050 MW | 11.6 | 12.0 | 0.4 |
| 15 | APNRL | 540 MW | 5.9 | 6.4 | 0.5 |
| 16 | GMR | 1050 MW | 11.6 | 11.5 | -0.1 |
| 17 | JITPL | 1200 MW | 10.6 | 10.7 | 0.1 |
| 18 | Chuzachen HEP | 110 MW | 0.8 | 0.7 | 0.0 |
| 19 | Jorethang HEP | 96 MW | 1.1 | 1.0 | -0.2 |
| 20 | Dikchu | 96 MW | 0.8 | 0.8 | 0.0 |
| 21 | Teesta-III | 1200 MW | 10.8 | 11.1 | 0.3 |
| 22 | Tashiding HEP | 96 MW | 1.2 | 1.0 | -0.2 |
| 23 | Talcher Solar | 10 MW | | 0.0 | 0.0 |
| 24 | KBUNL | 390 MW | 4.1 | 3.7 | -0.4 |
| | Total Generation | 15210 MW | 204.2 | 206.0 | 1.8 |
| C | Inter Regional Exchange | | -60.8 | -46.9 | 14.0 |
| D | Trans-National Exchange | | -18.6 | -19.5 | |
| E | RRAS | | 0.2 | | |
| F | ISTS loss (MU) | | 2.6 | 6.9 | |
| | ISTS loss (%) | | 1.11 | 3.00 | |

| North Eastern Region Energy Balance for ISTS for 30-Oct-2018 | | | | | |
|---|-------------------------------------|----------------|-----------------|---------------|------------------|
| Sl.No. | | | Schedule | Actual | Deviation |
| A | States | | | | |
| 1 | Arunachal Pradesh | | 2.0 | 2.0 | 0.1 |
| 2 | Assam | | 20.3 | 21.9 | 1.5 |
| 3 | Manipur | | 2.3 | 2.4 | 0.2 |
| 4 | Meghalaya | | 2.7 | 2.5 | -0.1 |
| 5 | Mizoram | | 1.0 | 1.3 | 0.2 |
| 6 | Nagaland | | 1.7 | 1.8 | 0.0 |
| 7 | Tripura | | 2.3 | 3.0 | 0.6 |
| | Total Drawal | | 32.3 | 34.8 | 2.5 |
| B | Regional Entities Generation | | | | |
| 1 | Khandong+Kopili Stage-II | 75 MW | 0.5 | 0.6 | 0.0 |
| 2 | Kopili | 200 MW | 4.5 | 4.6 | 0.1 |
| 3 | Kathalguri | 291 MW | 4.3 | 4.4 | 0.2 |
| 4 | Loktak | 105 MW | 1.1 | 1.2 | 0.0 |
| 5 | AGTCCPP | 130 MW | 2.1 | 2.2 | 0.0 |
| 6 | Doyang | 75 MW | 0.2 | 0.2 | 0.0 |
| 7 | Ranganadi | 405 MW | 2.0 | 2.1 | 0.0 |
| 8 | Palatana | 726 MW | 13.7 | 14.5 | 0.8 |
| 9 | BgTPP | 250 MW | 10.1 | 10.5 | 0.4 |
| 10 | Pare | 110 MW | 0.6 | 0.6 | 0.0 |
| | Total Generation | 2367 MW | 39.2 | 40.7 | 1.5 |
| C | Inter Regional Exchange | | -4.5 | -5.0 | -0.5 |
| D | RRAS | | 1.2 | | |
| E | ISTS loss (MU) | | 1.2 | 0.9 | |
| | ISTS loss (%) | | 2.99 | 2.33 | |



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

Power Supply Position in Northern Region For 30-Oct-2018

Date of Reporting:31-Oct-2018

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 |
| 43,028 | 457 | 43,485 | 49.95 | 33,796 | 195 | 33,991 | 50.02 | 925 | 8.13 |

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

| State | State's Control Area Generation (Net MU) | | | | | | | Drawal Sch (Net MU) | Act Drawal (Net MU) | UI (Net MU) | Requirement (Net MU) | Shortage (Net MU) | Consumption (Net MU) |
|------------------|--|--------------|-------------------|--------------|-------------|--------------------------------------|---------------|---------------------|---------------------|--------------|----------------------|-------------------|----------------------|
| | Thermal | Hydro | Gas/Naptha/Diesel | Solar | Wind | OthersBiomass/Small Hyd/Co-gen etc.) | Total | | | | | | |
| PUNJAB | 63.08 | 14.79 | 0 | 4.21 | 0 | 7.99 | 90.07 | 33.65 | 32.95 | -0.7 | 123.02 | 0 | 123.02 |
| HARYANA | 35.62 | 0.89 | 0 | 0.1 | 0 | 0.61 | 37.22 | 87.86 | 87.74 | -0.12 | 125.42 | 0.46 | 124.96 |
| RAJASTHAN | 138.45 | 4 | 1.97 | 13.83 | 8.05 | 3.65 | 169.93 | 50.85 | 53.04 | 2.19 | 222.97 | 0 | 222.97 |
| DELHI | -0.01 | 0 | 17.8 | 0 | 0 | 1.01 | 18.8 | 53.15 | 52.99 | -0.16 | 71.8 | 0.01 | 71.79 |
| UTTAR PRADESH | 151.8 | 12.1 | 0 | 2.8 | 0 | 2.4 | 169.1 | 115.8 | 116.29 | 0.49 | 285.69 | 0.3 | 285.39 |
| UTTARAKHAND | 0 | 11.26 | 7.09 | 0.58 | 0 | 0 | 18.94 | 15.45 | 16.08 | 0.63 | 35.02 | 0 | 35.02 |
| HIMACHAL PRADESH | 0 | 6.05 | 0 | 0 | 0 | 4.11 | 10.15 | 15.86 | 17.69 | 1.83 | 27.87 | 0.03 | 27.84 |
| JAMMU & KASHMIR | 0 | 7.16 | 0 | 0 | 0 | 0 | 7.16 | 37.59 | 23.4 | -14.19 | 37.89 | 7.33 | 30.56 |
| CHANDIGARH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.21 | 3.29 | 0.08 | 3.29 | 0 | 3.29 |
| Region | 388.94 | 56.25 | 26.86 | 21.52 | 8.05 | 19.77 | 521.37 | 413.42 | 403.47 | -9.95 | 932.97 | 8.13 | 924.84 |

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 | 5,758 | 0 | -41 | -1,599 | 3,544 | 0 | -181 | -1,296 |
| HARYANA | 6,304 | 100 | 56 | -935 | 4,686 | 0 | 51 | 197 |
| RAJASTHAN | 9,542 | 0 | 59 | -958 | 8,457 | 0 | 191 | -1,277 |
| DELHI | 3,645 | 0 | 3 | -841 | 2,134 | 0 | -61 | -1,256 |
| UTTAR PRADESH | 12,938 | 0 | -265 | 97 | 11,642 | 0 | -125 | 495 |
| UTTARAKHAND | 1,854 | 0 | 102 | 113 | 1,262 | 0 | 54 | 74 |
| HIMACHAL PRADESH | 1,382 | 0 | 37 | -305 | 885 | 0 | 64 | 62 |
| JAMMU & KASHMIR | 1,426 | 357 | -482 | 391 | 1,103 | 195 | -719 | 341 |
| CHANDIGARH | 179 | 0 | -5 | -40 | 83 | 0 | -8 | -25 |
| Region | 43,028 | 457 | -536 | -4,077 | 33,796 | 195 | -734 | -2,685 |

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 requirement |
| PUNJAB | 5,758 | 19:00 | 0 | 5,758 | 5,758 | 19:00 | 0 | 5,758 |
| HARYANA | 6,304 | 19:00 | 100 | 6,404 | 6,404 | 19:00 | 100 | 6,304 |
| RAJASTHAN | 11,001 | 8:00 | 0 | 11,001 | 11,001 | 8:00 | 0 | 11,001 |
| DELHI | 3,664 | 13:00 | 0 | 3,664 | 3,664 | 13:00 | 0 | 3,664 |
| UP | 13,268 | 20:00 | 210 | 13,478 | 13,478 | 20:00 | 210 | 13,268 |
| UTTARAKHAND | 1,860 | 7:00 | 0 | 1,860 | 1,860 | 7:00 | 0 | 1,860 |
| HP | 1,481 | 8:00 | 0 | 1,481 | 1,481 | 8:00 | 0 | 1,481 |
| J&K | 1,657 | 22:00 | 414 | 2,071 | 2,071 | 22:00 | 414 | 1,657 |
| CHANDIGARH | 179 | 19:00 | 0 | 179 | 179 | 19:00 | 0 | 179 |
| NR | 43,028 | 19:00 | 457 | 43,485 | 43,485 | 19:00 | 457 | 43,028 |

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 | 329 | 312 | 0 | | -0.01 | 0 |
| RAJGHAT TPS(2 * 67.5) | 135 | 0 | 0 | 0 | | | |
| Total THERMAL | 840 | 329 | 312 | | | -0.01 | 0 |
| BAWANA GPS(2 * 253 + 4 * 216) | 1,370 | 716 | 690 | 0 | | 13.04 | 543 |
| DELHI GAS TURBINES(3 * 34 + 6 * 30) | 282 | 35 | 36 | 0 | | 0.9 | 38 |
| PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6) | 331 | 153 | 156 | 0 | | 3.86 | 161 |
| RITHALA GPS(3 * 36) | 108 | 0 | 0 | 0 | | | |
| Total GAS/NAPHTHA/DIESEL | 2,091 | 904 | 882 | | | 17.8 | 742 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(1 * 16) | 16 | 34 | 34 | 0 | | 1.01 | 42 |
| SOLAR(1 * 2) | 2 | 0 | 0 | 0 | | | |
| Total DELHI | 2,949 | 1,267 | 1,228 | | | 18.8 | 784 |

| 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 | 0 | 0 | 0 | 00:00 | 0 | 0 |
| JHAJJAR(CLP)(2 * 660) | 1,320 | 1,240 | 742 | 1,240 | 20:00 | 25.95 | 1,081 |
| MAGNUM DIESEL (IPP)(4 * 6.3) | 25 | 0 | 0 | 0 | | | |
| PANIPAT TPS(2 * 210 + 2 * 250) | 920 | 0 | 0 | 0 | 00:00 | 0 | 0 |
| RGTPP(KHEDAR)(2 * 600) | 1,200 | 487 | 385 | 489 | 21:00 | 9.67 | 403 |
| Total THERMAL | 4,065 | 1,727 | 1,127 | | | 35.62 | 1,484 |
| FARIDABAD GPS(1 * 156.07 + 2 * 137.75) | 432 | 0 | 0 | 0 | 00:00 | 0 | 0 |
| Total GAS/NAPHTHA/DIESEL | 432 | 0 | 0 | | | 0 | 0 |
| TOTAL HYDRO HARYANA(1 * 62) | 62 | 27 | 29 | 29 | 01:00 | 0.89 | 37 |
| Total HYDEL | 62 | 27 | 29 | | | 0.89 | 37 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(1 * 106) | 106 | 0 | 0 | 0 | | 0.61 | 25 |
| SOLAR(1 * 50) | 50 | 0 | 0 | 0 | | 0.1 | 4 |
| Total HARYANA | 4,715 | 1,754 | 1,156 | | | 37.22 | 1,550 |

| 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 | 92 | 61 | 184 | 11:00 | 1.88 | 78 |
| MALANA (IPP) HPS(2 * 43) | 86 | 50 | 0 | 51 | 08:00 | 0.38 | 16 |
| OTHER HYDRO HP(1 * 372) | 372 | 206 | 141 | 0 | | 3.79 | 158 |
| Total HYDEL | 758 | 348 | 202 | | | 6.05 | 252 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS | 0 | 0 | 0 | 0 | | | |
| SOLAR | 0 | 0 | 0 | 7.8663 | 13:00 | 0 | 0 |
| SMALL HYDRO(1 * 486) | 486 | 200 | 157 | 0 | | 4.11 | 171 |
| Total SMALL HYDRO | 486 | 200 | 157 | | | 4.11 | 171 |
| Total HP | 1,244 | 548 | 359 | | | 10.16 | 423 |

| 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/NAPHTHA/DIESEL | 190 | 0 | 0 | | | 0 | 0 |
| BAGLIHAR (IPP) HPS(6 * 150) | 900 | 236 | 236 | 0 | | 5.63 | 235 |
| OTHER HYDRO/IPP J&K(1 * 308) | 308 | 79 | 52 | 0 | | 1.53 | 64 |
| Total HYDEL | 1,208 | 315 | 288 | | | 7.16 | 299 |
| 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 | 315 | 288 | | | 7.16 | 299 |

| 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 | 210 | 210 | 246 | | 5.09 | 212 |
| GURU GOBIND SINGH TPS (ROPAR)(6 * 210) | 1,260 | 183 | 146 | 192 | | 3.75 | 156 |
| GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250) | 920 | 0 | 0 | 0 | | -0.23 | -10 |
| GURU NANAK DEV TPS (BHATINDA)(4 * 110) | 460 | 0 | 0 | 0 | | -0.01 | 0 |
| RAJPURA(NPL) TPS(2 * 700) | 1,400 | 1,320 | 1,320 | 1,320 | | 31.59 | 1,316 |
| TALWANDI SABO TPS(3 * 660) | 1,980 | 1,050 | 700 | 1,050 | | 22.89 | 954 |
| Total THERMAL | 6,560 | 2,763 | 2,376 | | | 63.08 | 2,628 |
| TOTAL HYDRO PUNJAB(1 * 1000) | 1,000 | 604 | 415 | 669 | | 14.79 | 616 |
| Total HYDEL | 1,000 | 604 | 415 | | | 14.79 | 616 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(1 * 303) | 303 | 0 | 0 | 0 | | 7.99 | 333 |
| SOLAR(1 * 859) | 859 | 0 | 0 | 380 | | 4.21 | 175 |
| Total PUNJAB | 8,722 | 3,367 | 2,791 | | | 90.07 | 3,752 |

| 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 | 0 | 0 | 0 | | | |
| CHHABRA TPS(1 * 660 + 4 * 250) | 1,660 | 1,529 | 1,504 | 0 | | 36.16 | 1,507 |
| GIRAL (IPP) LTPS(2 * 125) | 250 | 0 | 0 | 0 | | | |
| KALISINDH TPS(2 * 600) | 1,200 | 236 | 559 | 0 | | 10.59 | 441 |
| KAWAI TPS(2 * 660) | 1,320 | 1,247 | 1,182 | 0 | | 28.12 | 1,172 |
| KOTA TPS(2 * 110 + 2 * 195 + 3 * 210) | 1,240 | 636 | 644 | 0 | | 14.62 | 609 |
| RAJWEST (IPP) LTPS(8 * 135) | 1,080 | 855 | 727 | 0 | | 18.55 | 773 |
| SURATGARH TPS (6 * 250) | 1,500 | 1,337 | 1,100 | 0 | | 28.11 | 1,171 |
| VSLPP (IPP)(1 * 135) | 135 | 96 | 97 | 0 | | 2.31 | 96 |
| Total THERMAL | 8,635 | 5,936 | 5,813 | | | 138.46 | 5,769 |
| DHOLPUR GPS(3 * 110) | 330 | 0 | 0 | 0 | | | |
| RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5) | 271 | 90 | 81 | 0 | | 1.97 | 82 |
| Total GAS/NAPHTHA/DIESEL | 601 | 90 | 81 | | | 1.97 | 82 |
| RAPS-A(1 * 100 + 1 * 200) | 300 | 165 | 163 | 0 | | 3.19 | 133 |
| Total NUCLEAR | 300 | 165 | 163 | | | 3.19 | 133 |
| TOTAL HYDRO RAJASTHAN(1 * 550) | 550 | 189 | 133 | 0 | | 4 | 167 |
| Total HYDEL | 550 | 189 | 133 | | | 4 | 167 |
| WIND | 4,292 | 237 | 225 | 0 | | 8.05 | 335 |
| BIOMASS(1 * 102) | 102 | 19 | 19 | 0 | | 0.46 | 19 |
| SOLAR(1 * 1995) | 1,995 | 10 | 0 | 0 | | 13.83 | 576 |
| Total RAJASTHAN | 16,475 | 6,646 | 6,434 | | | 169.96 | 7,081 |

| 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 | 1,356 | 1,340 | 0 | | 34.3 | 1,429 |
| ANPARA-C TPS(2 * 600) | 1,200 | 1,092 | 1,098 | 0 | | 23.8 | 992 |
| ANPARA-D TPS(2 * 500) | 1,000 | 479 | 483 | 0 | | 11 | 458 |
| BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45) | 450 | 0 | 0 | 0 | | | |
| BARA PPGCL TPS(3 * 660) | 1,980 | 1,049 | 1,035 | 0 | | 24.7 | 1,029 |
| HARDUAGANJ TPS(1 * 105 + 1 * 60 + 2 * 250) | 665 | 310 | 314 | 0 | | 7.2 | 300 |
| LALITPUR TPS(3 * 660) | 1,980 | 0 | 0 | 0 | | 0 | 0 |
| MEJA TPS(1 * 660) | 660 | 0 | 0 | 0 | | | |
| OBRA TPS (2 * 94 + 5 * 200) | 1,188 | 0 | 0 | 0 | | | |
| PANKI TPS(2 * 105) | 210 | 0 | 0 | 0 | | | |
| PARICHA TPS(2 * 110 + 2 * 210 + 2 * 250) | 1,160 | 877 | 666 | 0 | | 18.6 | 775 |
| ROSA TPS(4 * 300) | 1,200 | 1,080 | 1,065 | 0 | | 24.1 | 1,004 |
| TANDA TPS(4 * 110) | 440 | 280 | 380 | 0 | | 8.1 | 338 |
| Total THERMAL | 13,763 | 6,523 | 6,381 | | | 151.8 | 6,325 |
| ALAKHANDA HEP(4 * 82.5) | 330 | 82 | 83 | 0 | | 2.6 | 108 |
| VISHNUPARYAG HPS(4 * 110) | 440 | 152 | 142 | 0 | | 3.5 | 146 |
| OTHER HYDRO UP(1 * 527) | 527 | 294 | 270 | 0 | | 6 | 250 |
| Total HYDEL | 1,297 | 528 | 495 | | | 12.1 | 504 |
| WIND | 0 | 0 | 0 | 0 | | | |
| BIOMASS(1 * 26) | 26 | 0 | 0 | 0 | | | |
| SOLAR(1 * 472) | 472 | 0 | 0 | 0 | | 2.8 | 117 |
| CO-GENERATION(1 * 1360) | 1,360 | 100 | 100 | 0 | | 2.4 | 100 |
| Total OTHERs | 1,360 | 100 | 100 | | | 2.4 | 100 |
| Total UP | 16,918 | 7,151 | 6,976 | | | 169.1 | 7,046 |

| 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 | 291 | 301 | 304 | 07:00 | 7.09 | 295 | | | |
| Total GAS/NAPHTHA/DIESEL | 450 | 291 | 301 | | | 7.09 | 295 | | | |
| OTHER HYDRO UK(1 * 1250) | 1,250 | 686 | 390 | 686 | 19:00 | 11.26 | 469 | | | |
| Total HYDEL | 1,250 | 686 | 390 | | | 11.26 | 469 | | | |
| WIND | 0 | 0 | 0 | 0 | | | | | | |
| BIOMASS(1 * 127) | 127 | 0 | 0 | 0 | | | | | | |
| SOLAR(1 * 100) | 100 | 0 | 0 | 83 | 12:00 | 0.58 | 24 | | | |
| SMALL HYDRO(1 * 180) | 180 | 0 | 0 | 0 | | | | | | |
| Total SMALL HYDRO | 180 | 0 | 0 | | | 0 | 0 | | | |
| Total UTTARAKHAND | 2,107 | 977 | 691 | | | 18.93 | 788 | | | |

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 | 583.52 | 1,089 | 415 | 1,089 | 19:00 | 14 | 14.44 | 602 | 0.44 |
| DEHAR HPS(6 * 165) | 990 | 253.33 | 645 | 165 | 645 | 19:00 | 6.08 | 6.25 | 260 | 0.17 |
| PONG HPS(6 * 66) | 396 | 260 | 264 | 264 | 264 | 19:00 | 6.24 | 6.24 | 260 | 0 |
| Sub-Total | 2,765 | 1,096.85 | 1,998 | 844 | - | - | 26.32 | 26.93 | 1,122 | 0.61 |
| NHPC | | | | | | | | | | |
| BAIRASIUL HPS(3 * 60) | 180 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 |
| CHAMERA HPS(3 * 180) | 540 | 535.58 | 547 | 0 | 547 | 18:45 | 3.82 | 4.02 | 168 | 0.2 |
| CHAMERA II HPS(3 * 100) | 300 | 104.83 | 301 | 0 | 302 | 20:00 | 2.45 | 2.69 | 112 | 0.24 |
| CHAMERA III HPS(3 * 77) | 231 | 231.5 | 228 | 0 | 231 | 06:00 | 1.51 | 1.63 | 68 | 0.12 |
| DHAULIGANGA HPS(4 * 70) | 280 | 78.64 | 143 | 70 | 146 | 20:00 | 1.85 | 1.93 | 80 | 0.08 |
| DULHASTI HPS(3 * 130) | 390 | 386.9 | 395 | 0 | 396 | 06:00 | 5.1 | 5.24 | 218 | 0.14 |
| KISHANGANGA(2 * 110) | 220 | 33.44 | 0 | 62 | 200 | 07:00 | 0.8 | 0.84 | 35 | 0.04 |
| PARBATI III HEP(4 * 130) | 520 | 37.81 | 265 | 0 | 387 | 18:30 | 0.91 | 0.93 | 39 | 0.02 |
| SALAL HPS(6 * 115) | 690 | 161.35 | 302 | 144 | 515 | 08:00 | 3.87 | 4.54 | 189 | 0.67 |
| SEWA-II HPS(3 * 40) | 120 | 119.54 | 120 | 0 | 122 | 20:00 | 0.5 | 0.53 | 22 | 0.03 |
| TANAKPUR HPS(1 * 31.42 + 2 * 31.4) | 94 | 53.07 | 92 | 56 | 96 | 07:00 | 1.27 | 1.31 | 55 | 0.04 |
| URI HPS(4 * 120) | 480 | 138.44 | 329 | 148 | 334 | 12:00 | 3.32 | 4.03 | 168 | 0.71 |
| URI-II HPS(4 * 60) | 480 | 79.56 | 79 | 46 | 182 | 06:00 | 1.91 | 2.09 | 87 | 0.18 |
| Sub-Total | 4,525 | 1,960.66 | 2,801 | 526 | - | - | 27.31 | 29.78 | 1,241 | 2.47 |
| NPCL | | | | | | | | | | |
| NAPS(2 * 220) | 440 | 400 | 430 | 439 | 446 | 07:00 | 9.6 | 9.55 | 398 | -0.05 |
| RAPS-B(2 * 220) | 440 | 195 | 218 | 218 | 218 | 19:00 | 4.68 | 4.69 | 195 | 0.01 |
| RAPS-C(2 * 220) | 440 | 415 | 470 | 467 | 471 | 14:00 | 9.96 | 10.14 | 423 | 0.18 |
| Sub-Total | 1,320 | 1,010 | 1,118 | 1,124 | - | - | 24.24 | 24.38 | 1,016 | 0.14 |
| NTPC | | | | | | | | | | |
| ANTA GPS(1 * 153.2 + 3 * 88.71) | 419 | 0 | 325 | 232 | 404 | 23:21 | 7.68 | 7.55 | 315 | -0.13 |
| AURAIYA GPS(2 * 109.3 + 4 * 111.19) | 663 | 0 | 515 | 393 | 616 | 17:00 | 10.89 | 11.03 | 460 | 0.14 |
| DADRI GPS(2 * 154.51 + 4 * 130.19) | 830 | 0 | 673 | 457 | 673 | 19:00 | 12.65 | 12.79 | 533 | 0.14 |
| DADRI SOLAR(1 * 5) | 5 | 0.87 | 0 | 0 | 0 | - | 0.02 | 0.02 | 1 | 0 |
| DADRI-I TPS(4 * 210) | 840 | 576.42 | 578 | 348 | 578 | 19:00 | 11.45 | 11.24 | 468 | -0.21 |
| DADRI-II TPS(2 * 490) | 980 | 715.72 | 310 | 934 | 310 | 19:00 | 16.94 | 16.63 | 693 | -0.31 |
| ISTPP (JHAJJAR)(3 * 500) | 1,500 | 947.5 | 977 | 948 | 1,009 | 19:23 | 22.26 | 21.96 | 915 | -0.3 |
| KOLDAM HPS(4 * 200) | 800 | 872 | 742 | 0 | 869 | 18:00 | 4.25 | 4.55 | 190 | 0.3 |
| RIHAND-I STPS(2 * 500) | 1,000 | 922.5 | 1,001 | 1,000 | 1,001 | 19:00 | 22.05 | 22.5 | 938 | 0.45 |
| RIHAND-II STPS(2 * 500) | 1,000 | 942.5 | 986 | 1,006 | 986 | 19:00 | 22.56 | 22.74 | 948 | 0.18 |
| RIHAND-III STPS(2 * 500) | 1,000 | 471.25 | 507 | 508 | 507 | 19:00 | 11.28 | 11.62 | 484 | 0.34 |
| SINGRAULI STPS(2 * 500 + 5 * 200) | 2,000 | 1,810 | 1,970 | 1,962 | 1,985 | 22:00 | 43.36 | 43.74 | 1,823 | 0.38 |
| SINGRAULI SOLAR(1 * 15) | 15 | 2.53 | 0 | 0 | 0 | - | 0.06 | 0.05 | 2 | -0.01 |
| UNCHAHAH II TPS(2 * 210) | 420 | 382.2 | 394 | 344 | 394 | 19:00 | 8.74 | 9.2 | 383 | 0.46 |
| UNCHAHAH III TPS(1 * 210) | 210 | 191.1 | 210 | 159 | 210 | 19:00 | 4.24 | 4.52 | 188 | 0.28 |
| UNCHAHAH IV TPS(1 * 500) | 500 | 0 | 0 | 0 | 0 | - | 0 | - | - | 0 |
| UNCHAHAH SOLAR(1 * 10) | 10 | 1.9 | 0 | 0 | 0 | - | 0.05 | 0.05 | 2 | 0 |
| UNCHAHAH TPS(2 * 210) | 420 | 382.2 | 377 | 272 | 377 | 19:00 | 8.5 | 8.83 | 368 | 0.33 |
| Sub-Total | 12,612 | 8,218.69 | 9,565 | 8,563 | - | - | 206.98 | 209.02 | 8,711 | 2.04 |
| SJVNL | | | | | | | | | | |
| NATHPA-JHAKRI HPS(6 * 250) | 1,500 | 1,497.38 | 1,534 | 0 | 1,534 | 19:00 | 11.5 | 11.77 | 490 | 0.27 |
| RAMPUR HEP(6 * 68.67) | 412 | 442 | 422 | 0 | 444 | 18:00 | 3.19 | 3.36 | 140 | 0.17 |
| Sub-Total | 1,912 | 1,939.38 | 1,956 | 0 | - | - | 14.69 | 15.13 | 630 | 0.44 |
| THDC | | | | | | | | | | |
| KOTESHWAR HPS(4 * 100) | 400 | 103.75 | 200 | 92 | 201 | 18:00 | 2.49 | 2.56 | 107 | 0.07 |
| TEHRI HPS(4 * 250) | 1,000 | 1,064 | 1,008 | 0 | 1,027 | 20:00 | 7 | 7.21 | 300 | 0.21 |
| Sub-Total | 1,400 | 1,167.75 | 1,208 | 92 | - | - | 9.49 | 9.77 | 407 | 0.28 |
| Total | 24,534 | 15,393.33 | 18,646 | 11,149 | | | 309.03 | 315.01 | 13,127 | 5.98 |

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 | 184 | 0 | 184 | 19:00 | 0.96 | 1.02 | 43 | 0.06 |
| BUDHIL HPS (IPP)(2 * 35) | 70 | 0 | 69 | 0 | 69 | 18:00 | 0.51 | 0.43 | 18 | -0.08 |
| KARCHAM WANGTOO HPS(4 * 250) | 1,000 | 0 | 1,000 | 0 | 1,000 | 19:00 | 5.96 | 6.06 | 253 | 0.1 |
| MALANA2(2 * 50) | 100 | 0 | 0 | 0 | 106 | 11:00 | 0.34 | 0.36 | 15 | 0.02 |
| SAINJ HEP(2 * 50) | 50 | 0 | 55 | 25 | 55 | 06:30 | 0.75 | 0.85 | 35 | 0.1 |
| SHREE CEMENT (IPP) TPS(2 * 150) | 300 | 0 | 298 | 260 | 298 | 19:00 | 6.96 | 6.84 | 285 | -0.12 |
| Sub-Total | 1,712 | 0 | 1,606 | 285 | - | - | 15.48 | 15.56 | 649 | 0.08 |
| Total | 1,712 | 0 | 1,606 | 285 | - | - | 15.48 | 15.56 | 649 | 0.08 |

| Summary Section | | | | | |
|--|----------------|--------|----------|------------|----------|
| | Inst. Capacity | PEAK | OFF-PEAK | Day Energy | Day AVG. |
| Total State Control Area Generation | 54,626 | 22,025 | 19,923 | 521.4 | 21,725 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | 3,562 | 5,294 | 105.27 | 4,801 |
| Total Regional Availability(Gross) | 80,872 | 45,839 | 36,651 | 957.24 | 40,300 |

| Total Hydro Generation | | | | | |
|--------------------------|----------------|--------|----------|------------|----------|
| | Inst. Capacity | PEAK | OFF-PEAK | Day Energy | Day AVG. |
| Regional Entities Hydro | 12,814 | 10,013 | 1,487 | 94.88 | 3,953 |
| State Control Area Hydro | 6,125 | 2,697 | 1,952 | 56.25 | 2,344 |
| Total Regional Hydro | 18,939 | 12,710 | 3,439 | 151.13 | 6,297 |

| Total Renewable Generation | | | | | |
|------------------------------|----------------|------|----------|------------|----------|
| | Inst. Capacity | PEAK | OFF-PEAK | Day Energy | Day AVG. |
| Regional Entities Renewable | 30 | 0 | 0 | 0.12 | 5 |
| State Control Area Renewable | 9,214 | 500 | 435 | 43.75 | 1,823 |
| Total Regional Renewable | 9,244 | 500 | 435 | 43.87 | 1,828 |

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 | - | - | - | - | - | - | - |
| 2 | 132KV-Karmnasa(PG)-Sahupuri(U .. | - | - | - | - | 0.48 | 0 | 0.48 |
| 3 | 132KV-Rihand-Sonnagar(PG) | - | - | - | - | 0 | 0.67 | -0.67 |
| 4 | 220KV-Pusauli(PG)-Sahupuri(UP) | 139 | 115 | 142 | 0 | 3.08 | 0 | 3.08 |
| 5 | 400KV-Biharsharif(PG)-Baliala(PG) | 42 | 27 | 121 | 89 | 0.17 | 0 | 0.17 |
| 6 | 400KV-Biharsharif(PG)-Varanasi(P.. | -193 | -149 | 29 | 219 | 0 | 2.8 | -2.8 |
| 7 | 400KV-Fatehpur(UP)-Sasaram | - | - | - | - | - | - | - |
| 8 | 400KV-Motihari(DMT)-Gorakhpur .. | 188 | 284 | 298 | 0 | 5.65 | 0 | 5.65 |
| 9 | 400KV-Muzaffarpur(PG)-Gorakhp .. | 21 | 34 | 376 | 72 | 1.26 | 0 | 1.26 |
| 10 | 400KV-Patna(PG)-Baliala(PG) | 341 | 437 | 621 | 0 | 9.53 | 0 | 9.53 |
| 11 | 400KV-Sasaram-Allahabad(PG) | 118 | 128 | 159 | 0 | 3.13 | 0 | 3.13 |
| 12 | 400KV-Sasaram-Varanasi(PG) | 274 | 263 | 282 | 0 | 6.56 | 0 | 6.56 |
| 13 | 765KV-Fatehpur(PG)-Sasaram. | -240 | -210 | 4 | 248 | 0 | 3.78 | -3.78 |
| 14 | 765KV-Gaya(PG)-Baliala(PG) | 10 | 39 | 88 | -9 | 0.93 | 0 | 0.93 |
| 15 | 765KV-Gaya(PG)-Varanasi(PG) | -166 | -35 | 0 | 205 | 0 | 0.67 | -0.67 |
| 16 | HVDC800KV-Alipurduar-Agra(PG) | 0 | 200 | 200 | 0 | 3.4 | 0 | 3.4 |
| Sub-Total EAST REGION | | 534 | 1,133 | 2,320 | 824 | 34.19 | 7.92 | 26.27 |
| Import/Export between NORTH_EAST REGION and NORTH REGION | | | | | | | | |
| 1 | HVDC800KV-BiswanathCharialli- .. | 500 | 650 | 650 | 0 | 11.56 | 0 | 11.56 |
| Sub-Total NORTH_EAST REGION | | 500 | 650 | 650 | 0 | 11.56 | 0 | 11.56 |
| Import/Export between WEST REGION and NORTH REGION | | | | | | | | |
| 1 | 220KV-Auraiya(NT)-Malanpur(PG) | -136 | -89 | - | 199 | 0 | 4.12 | -4.12 |
| 2 | 220KV-Badod(MP)-Kota(PG) | -95 | -110 | 27 | 130 | 0 | 2.08 | -2.08 |
| 3 | 220KV-Badod(MP)-Modak(RJ) | - | - | - | - | - | - | - |
| 4 | 400KV-RAPS C(NP)-Sujalpur | -275 | -271 | 0 | 445 | 0 | 7.33 | -7.33 |
| 5 | 400KV-Vindhyachal(PG)-Rihand(N .. | -475 | -477 | - | 487 | 0 | 11.62 | -11.62 |
| 6 | 400KV-Zerda(PG)-Bhinmal(PG) | -37 | -170 | 67 | 358 | 0 | 2.87 | -2.87 |
| 7 | 400KV-Zerda(PG)-Kankroli(RJ) | -300 | -268 | 0 | 419 | 0 | 7.17 | -7.17 |
| 8 | 765KV-0rai-Gwalior(PG) | -344 | -323 | 0 | 485 | 0 | 8.54 | -8.54 |
| 9 | 765KV-0rai-Jabalpur | -335 | 72 | 391 | 492 | 0 | 0.31 | -0.31 |
| 10 | 765KV-0rai-Satna | 1,385 | 1,505 | 1,553 | 0 | 35.01 | 0 | 35.01 |
| 11 | 765KV-Gwalior(PG)-Agra(PG) | 700 | 1,001 | 1,706 | 0 | 26.67 | 0 | 26.67 |
| 12 | 765KV-Phagi(RJ)-Gwalior(PG) | 539 | 743 | 523 | - | 16.45 | 0 | 16.45 |
| 13 | HVDC500KV-Mundra(JH)-Mohind.. | 1,001 | 998 | 1,003 | 0 | 24.24 | 0 | 24.24 |
| 14 | HVDC500KV-Vindhyachal(PG)-Vindhaychal B/B | 250 | 250 | 0 | 250 | 0 | 6.04 | -6.04 |
| 15 | HVDC800KV-Champa(PG)-Kuruku.. | 650 | 650 | 650 | 0 | 15.15 | 0 | 15.15 |
| Sub-Total WEST REGION | | 2,528 | 3,511 | 5,920 | 3,265 | 117.52 | 50.08 | 67.44 |
| TOTAL IR EXCHANGE | | 3,562 | 5,294 | 8,890 | 4,089 | 163.27 | 58 | 105.27 |

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 | 44.06 | -3.13 | 0.04 | 40.97 | 26.27 | -14.7 |

| | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|
| NR-WR | 155.61 | -13.61 | -48.51 | 93.49 | 67.44 | -26.05 |
| Total | 199.67 | -16.74 | -48.47 | 134.46 | 105.27 | -29.19 |

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) | 0 | 0 | | 25 | | 0.1651 | -0.1651 |

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 | 0 | .8 | 14.8 | 78.4 | 80.6 | 4.4 | .2 | 0 | 4.6 |

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

| Maximum | | Minimum | | Average Frequency | Freq Variation Index | Standard Deviation | Freq. in 15 mnt blk | | Freq Dev Index (% of Time) |
|-----------|----------|-----------|----------|----------------------|----------------------------|-----------------------|---------------------|-------|-------------------------------|
| Frequency | Time | Frequency | Time | | | | Max. | Min. | |
| 50.12 | 06:02:00 | 49.74 | 19:22:40 | 49.96 | 0.051 | 0.056 | 50.07 | 49.83 | 19.4 |

6. Voltage Profile: 400kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | | Voltage Deviation Index (% of time) |
|-------------------------|---------|-------|---------|-------|----------------|-------|-------|-------|--|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 380 | < 390 | > 420 | > 430 | |
| Abdullapur(PG) - 400KV | 428 | 04:00 | 412 | 09:35 | 0 | 0 | 50 | 0 | 50 |
| Abdullapur(PG) - 400KV | 428 | 04:00 | 412 | 09:35 | 0 | 0 | 50 | 0 | 50 |
| Amritsar(PG) - 400KV | 429 | 04:00 | 411 | 09:15 | 0 | 0 | 52.08 | 0 | 52.08 |
| Ballabgarh(PG) - 400KV | 425 | 20:15 | 407 | 09:35 | 0 | 0 | 24.65 | 0 | 24.65 |
| Bareilly II(PG) - 400KV | 415 | 04:00 | 404 | 17:40 | 0 | 0 | 0 | 0 | 0 |
| Bareilly(UP) - 400KV | 416 | 04:00 | 406 | 17:40 | 0 | 0 | 0 | 0 | 0 |
| Baspa(HP) - 400KV | 429 | 04:00 | 410 | 18:20 | 0 | 0 | 49.65 | 0 | 49.65 |
| Bassi(PG) - 400KV | 419 | 20:05 | 397 | 09:35 | 0 | 0 | 0 | 0 | 0 |
| Bawana(DTL) - 400KV | 424 | 04:00 | 410 | 09:35 | 0 | 0 | 35.76 | 0 | 35.76 |
| Dadri HVDC(PG). - 400KV | 423 | 04:00 | 410 | 09:40 | 0 | 0 | 25.69 | 0 | 25.69 |
| Gorakhpur(PG) - 400KV | 416 | 08:00 | 403 | 19:25 | 0 | 0 | 0 | 0 | 0 |
| Hisar(PG) - 400KV | 421 | 20:10 | 404 | 09:35 | 0 | 0 | 3.13 | 0 | 3.13 |
| Kanpur(PG) - 400KV | 420 | 04:00 | 410 | 09:45 | 0 | 0 | 0 | 0 | 0 |
| Kashipur(UT) - 400KV | 402 | 00:00 | 402 | 00:00 | 0 | 0 | 0 | 0 | 0 |
| Kishenpur(PG) - 400KV | 422 | 04:00 | 405 | 07:10 | 0 | 0 | 3.82 | 0 | 3.82 |
| Moga(PG) - 400KV | 420 | 13:05 | 403 | 09:15 | 0 | 0 | .69 | 0 | .69 |
| Nallagarh(PG) - 400KV | 429 | 04:00 | 410 | 18:20 | 0 | 0 | 49.65 | 0 | 49.65 |
| Rihand HVDC(PG) - 400KV | 410 | 12:00 | 410 | 12:00 | .69 | .69 | 0 | 0 | .69 |
| Rihand(NT) - 400KV | 408 | 04:00 | 400 | 10:50 | 0 | 0 | 0 | 0 | 0 |

6.1 Voltage Profile: 765kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | | Voltage Deviation Index (% of time) |
|-------------------------|---------|-------|---------|-------|----------------|-------|-------|-------|--|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 728 | < 742 | > 800 | > 820 | |
| Anta RS(RJ) - 765KV | 795 | 20:15 | 767 | 09:20 | 0 | 0 | 0 | 0 | 0 |
| Balia(PG) - 765KV | 782 | 08:00 | 764 | 19:25 | 0 | 0 | 0 | 0 | 0 |
| Bareilly II(PG) - 765KV | 792 | 04:00 | 773 | 17:40 | 0 | 0 | 0 | 0 | 0 |
| Bhiwani(PG) - 765KV | 806 | 20:10 | 773 | 09:20 | 0 | 0 | 6.25 | 0 | 6.25 |
| Fatehpur(PG) - 765KV | 780 | 13:05 | 743 | 09:50 | 0 | 0 | 0 | 0 | 0 |
| Jhatikara(PG) - 765KV | 800 | 20:05 | 768 | 09:35 | 0 | 0 | .69 | 0 | .69 |
| Lucknow II(PG) - 765KV | 788 | 04:00 | 771 | 19:25 | 0 | 0 | 0 | 0 | 0 |
| Meerut(PG) - 765KV | 809 | 20:05 | 773 | 09:20 | 0 | 0 | 8.33 | 0 | 8.33 |
| Moga(PG) - 765KV | 802 | 20:05 | 760 | 09:15 | 0 | 0 | 2.43 | 0 | 2.43 |
| Phagi(RJ) - 765KV | 800 | 20:10 | 768 | 09:20 | 0 | 0 | .35 | 0 | .35 |
| Unnao(UP) - 765KV | 779 | 04:00 | 764 | 10:15 | 0 | 0 | 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 | -1,144.71 | -151.35 | 0 | -741.11 | -857.63 | 0 | 61.56 | -20.01 | -7.91 | 33.65 |
| HARYANA | 196.27 | 0.49 | 0 | -24.45 | -910.38 | 0 | 94.27 | 1.93 | -8.36 | 87.86 |
| RAJASTHAN | -99.98 | -1,177.19 | 0 | -99.98 | -858.27 | 0 | 67.27 | -2.45 | -13.97 | 50.85 |
| DELHI | -291.79 | -964.07 | 0 | -281.57 | -559.58 | 0 | 76.23 | -8.81 | -14.26 | 53.15 |
| UTTAR PRADESH | 495.28 | 0 | 0 | 96.51 | 0 | 0 | 112.95 | 3.29 | -0.43 | 115.8 |
| UTTARAKHAND | 150.15 | -76.59 | 0 | 107.72 | 5.41 | 0 | 12.1 | 3.74 | -0.39 | 15.45 |
| HIMACHAL PRADESH | 62.45 | -0.1 | 0 | 61.79 | -366.63 | 0 | 16.72 | 3.19 | -4.05 | 15.86 |
| JAMMU & KASHMIR | 143.69 | 197.72 | 0 | 143.69 | 247.15 | 0 | 26.54 | 3.45 | 7.6 | 37.59 |
| CHANDIGARH | 0 | -25.16 | 0 | 0 | -40.26 | 0 | 3.92 | 0 | -0.71 | 3.21 |
| TOTAL | -488.64 | -2,196.25 | 0 | -737.4 | -3,340.19 | 0 | 471.56 | -15.67 | -42.48 | 413.42 |

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 | 3,612.75 | 2,148.43 | -741.11 | -1,144.71 | -151.35 | -958.53 | 0 | 0 |
| HARYANA | 4,999.85 | 3,203.3 | 238.06 | -201.38 | 0.49 | -1,112.68 | 0 | 0 |
| RAJASTHAN | 3,597.32 | 2,153.26 | -99.98 | -108.15 | 653.14 | -1,691.25 | 0 | 0 |
| DELHI | 3,647.83 | 2,289.02 | -280.44 | -477.72 | -11.32 | -1,382.85 | 0 | 0 |
| UTTAR PRADESH | 6,123.17 | 3,745.72 | 495.28 | -4.27 | 44.15 | -508.34 | 0 | 0 |
| UTTARAKHAND | 830.14 | 240.49 | 208.87 | 78.31 | 211.28 | -267.7 | 0 | 0 |
| HIMACHAL PRADESH | 1,445.48 | 323.95 | 257.57 | 60.62 | 189.72 | -864.44 | 0 | 0 |
| JAMMU & KASHMIR | 1,648.96 | 663.05 | 143.69 | 143.69 | 593.16 | 0 | 0 | 0 |
| CHANDIGARH | 282.9 | 115.21 | 0 | 0 | 0 | -99.94 | 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 | 508.52 | 1,470 | 507.09 | 1,411 | 283.31 | 371.46 |
| Chamera-I | 748.75 | 760 | 756.4 | - | - | - | 99.49 | 108.28 |
| Gandhisagar | 295.78 | 295.78 | - | - | - | - | - | 0 |
| Jawahar Sagar | 295.78 | 298.7 | - | - | - | - | - | 0 |
| Koteshwar | 598.5 | 612.5 | 608.92 | 4 | 611.79 | 5 | 155 | 168.87 |
| Pong | 384.05 | 426.72 | 422.16 | 991 | 417.09 | 756 | 100.38 | 353.11 |
| RPS | 343.81 | 352.8 | - | - | - | - | - | 0 |
| RSD | 487.91 | 527.91 | 525.12 | 5 | 514.28 | 4 | 120.33 | 168.24 |
| Rihand | 252.98 | 268.22 | 262.77 | 465 | 262.62 | 455 | - | 0 |
| Tehri | 740.04 | 829.79 | 826.55 | 1,141 | 823.3 | 1,072 | 77.42 | 155 |
| TOTAL | - | - | - | 4,076 | - | 3,703 | 835.93 | 1,324.96 |

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 8 in a day) | Maximum number of continuous blocks without sign change |
|------------------|--|---|
| CHANDIGARH | 4 | 40 |
| DELHI | 4 | 28 |
| HARYANA | 1 | 17 |
| HIMACHAL PRADESH | 5 | 25 |
| JAMMU & KASHMIR | 1 | 19 |
| PUNJAB | 1 | 14 |
| RAJASTHAN | 1 | 15 |
| UTTAR PRADESH | 1 | 15 |
| UTTARAKHAND | 5 | 49 |

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



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

Power Supply Position in Western Region For 30-Oct-2018

Date of Reporting:31-Oct-2018

1. Regional Availability/Demand:

| Evening Peak (19:00) MW | | | | Off-Peak (03:00) MW | | | | /Day Energy(Net MU) | |
|---------------------------|---------------|--------------------------|----------------------|---------------------------|---------------|--------------------------|----------------------|-----------------------|---------------|
| मांग पूरति/ Demand Met | अभाव/Shortage | आवश्यकता/ Requirement | आवृत्ति/Freq (Hz) | मांग पूरति/ Demand Met | अभाव/Shortage | आवश्यकता/ Requirement | आवृत्ति/Freq (Hz) | मांग पूरति/Demand Met | अभाव/Shortage |
| 51,613 | 0 | 51,613 | 49.95 | 47,548 | 0 | 47,548 | 50.02 | 1,230.5 | 0 |

2(A) /Load Details (/in state periphery) in MU:

| राज्य/STATE | State's Control Area Generation (Net MU) | | | | | | /Net SCH | /Drawal | /UI | Availability | Requirement | / Shortage | / Consump-tion |
|------------------------|--|----------------|--------------|---------------|-----------------|-----------|----------|----------|----------|--------------|-------------|------------|----------------|
| | तापीय/ THERMAL | जलीय/ HYDRO | पवन/ WIND | सौर/ SOLAR | अन्य/ OTHERS | कुल/TOTAL | (Net MU) | (Net MU) | (Net MU) | (Net MU) | (Net MU) | (Net MU) | (Net MU) |
| CHHATISGARH | 53.5 | 0.6 | - | 0.3 | 0 | 54.4 | 32.6 | 32 | -0.6 | 86.4 | 86.4 | 0 | 86.4 |
| DADRA AND NAGAR HAVELI | - | - | - | - | 0 | 0 | 15.2 | 16 | 0.8 | 16 | 16 | 0 | 16 |
| DAMAN AND DIU | - | - | - | - | 0 | 0 | 6.2 | 7.2 | 1 | 7.2 | 7.2 | 0 | 7.2 |
| ESIL | - | - | - | - | 0 | 0 | 12 | 11.7 | -0.3 | 11.7 | 11.7 | 0 | 11.7 |
| GOA | 0.7 | - | - | - | 0 | 0.7 | 8.9 | 9.2 | 0.2 | 9.8 | 9.8 | 0 | 9.8 |
| GUJARAT | 223.7 | 0.2 | 14 | 6.5 | 0.2 | 244.5 | 106 | 111.9 | 5.9 | 356.5 | 356.5 | 0 | 356.5 |
| MADHYA PRADESH | 91.5 | 10.7 | 12.2 | 6.8 | 0.4 | 121.6 | 140.3 | 137.4 | -2.9 | 259 | 259 | 0 | 259 |
| MAHARASHTRA | 295.5 | 8.4 | 14.3 | 6 | 0 | 324.2 | 162 | 159.7 | -2.3 | 483.9 | 483.9 | 0 | 483.9 |
| Region | 664.9 | 19.9 | 40.5 | 19.6 | 0.6 | 745.4 | 483.2 | 485.1 | 1.8 | 1,230.5 | 1,230.5 | 0 | 1,230.5 |

2(B) / /State's Demand Met in MW and day energy forecast and deviation particulars

| राज्य/State | Evening Peak (19:00) MW | | | Off-Peak (03:00) MW | | | /Day Energy(Net MU) | |
|------------------------|---------------------------|-------------------|---|---------------------------|-------------------|---|--------------------------|--|
| | मांग पूरति/ Demand Met | अभाव/ Shortage | आवश्यकता/ Requirement at Evening peak | मांग पूरति/ Demand Met | अभाव/ Shortage | आवश्यकता/ Requirement at Off-Peak | पूर्वानुमान/ForeCast(MU) | वचिलन/Deviation[Forecast-Consumption] (MU) |
| CHHATISGARH | 3,789 | 0 | 3,789 | 3,332 | 0 | 3,332 | 88.15 | 2.15 |
| DADRA AND NAGAR HAVELI | 695 | 0 | 695 | 656 | 0 | 656 | 16.36 | 0.36 |
| DAMAN AND DIU | 320 | 0 | 320 | 286 | 0 | 286 | 6.72 | -0.28 |
| ESIL | 525 | 0 | 525 | 440 | 0 | 440 | 11.1 | -0.9 |
| GOA | 468 | 0 | 468 | 304 | 0 | 304 | 9.65 | -0.35 |
| GUJARAT | 15,428 | 0 | 15,428 | 13,929 | 0 | 13,929 | 360.93 | 4.93 |
| MADHYA PRADESH | 10,022 | 0 | 10,022 | 10,272 | 0 | 10,272 | 250.23 | -8.77 |
| MAHARASHTRA | 20,366 | 0 | 20,366 | 18,329 | 0 | 18,329 | 511.32 | 27.32 |
| Region | 51,613 | 0 | 51,613 | 47,548 | 0 | 47,548 | 1,254.46 | 24.46 |

2(C) /State's Demand Met in MW (/maximum demand met and /Maximum requirement of the day details)

| राज्य/State | Maximum Demand, corresponding shortage and requirement details for the day | | | | Maximum requirement, corresponding shortage and demand details for the day | | | |
|------------------------|--|----------|---------------------------------|---|--|----------|--------------------------------------|--|
| | अधिकतम मांग पूरति/Maximum Demand Met of the day | समय/Time | अभाव/Shortage at maximum demand | आवश्यकता/Requirement at the max demand met of the day | मांग पूरति/ Demand Met at maximum requirement | बजे/Time | अभाव/Shortage at maximum Requirement | अधिकतम आवश्यकता/Maximum Requirement of the day |
| CHHATISGARH | 4,039 | 18:00 | 0 | 4,039 | 4,039 | 18:00 | 0 | 4,039 |
| DADRA AND NAGAR HAVELI | 695 | 19:00 | 0 | 695 | 695 | 19:00 | 0 | 695 |
| DAMAN AND DIU | 320 | 19:00 | 0 | 320 | 320 | 19:00 | 0 | 320 |
| ESIL | 606 | 15:00 | 0 | 606 | 606 | 15:00 | 0 | 606 |
| GOA | 475 | 20:00 | 0 | 475 | 475 | 20:00 | 0 | 475 |
| GUJARAT | 15,951 | 12:00 | 0 | 15,951 | 15,951 | 12:00 | 0 | 15,951 |
| MADHYA PRADESH | 12,244 | 08:00 | 0 | 12,244 | 12,244 | 08:00 | 0 | 12,244 |
| MAHARASHTRA | 22,586 | 11:00 | 0 | 22,586 | 22,586 | 11:00 | 0 | 22,586 |
| WR | 54,904 | 11:00 | 0 | 54,904 | 54,904 | 11:00 | 0 | 54,904 |

3(A) State Entities Generation:

| CHHATISGARH | | | | | | | |
|--------------------------------|-------------------------------|--------------|--------------|----------|----------|--------------|--------------|
| सटेशन/ Station/Constituents | स्थापित क्षमता/Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| KORBA EAST EXT(DSPM) | 500 | 445 | 442 | 476 | 07:56 | 11.43 | 476 |
| KORBA(E) | 440 | 159 | 155 | 164 | 21:21 | 3.81 | 159 |
| KORBA(W) CSETCL | 1,340 | 935 | 910 | 962 | 18:45 | 12.48 | 520 |
| MARWA TPS | 1,000 | 482 | 481 | 491 | 03:16 | 11.87 | 495 |
| OTHER THERMAL | 900 | 0 | 0 | 0 | - | 13.92 | 580 |
| TOTAL THERMAL | 4,180 | 2,021 | 1,988 | - | - | 53.51 | 2,230 |
| HASDEO BANGO | 120 | 114 | 0 | 117 | 19:23 | 0.6 | 25 |
| TOTAL HYDEL | 120 | 114 | 0 | - | - | 0.6 | 25 |
| WIND | 0 | 0 | 0 | 0 | - | 0 | 0 |
| SOLAR | 76 | 3 | 3 | 49 | 11:22 | 0.28 | 12 |
| TOTAL CHHATISGARH | 4,376 | - | - | - | - | 54.39 | 2,267 |

| GUJARAT | | | | | | | |
|---------------------------------|-------------------------------------|--------------|--------------|----------|----------|---------------|---------------|
| सुटेसन/ Station/Constituents | सुथापति कषमेता/Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| ALTPS | 250 | 48 | 45 | 54 | 18:53 | 2.5 | 104 |
| APL MUNDRA | 4,620 | 3,056 | 2,596 | 3,117 | 19:24 | 75.18 | 3,133 |
| GANDHINAGAR(GTPS) | 630 | 421 | 363 | 427 | 21:56 | 9.67 | 403 |
| KLTPS | 290 | 186 | 187 | 210 | 08:01 | 4.67 | 195 |
| SLPP | 500 | 471 | 448 | 501 | 20:13 | 11.53 | 480 |
| STPS | 740 | 448 | 335 | 473 | 16:48 | 9.89 | 412 |
| SUGEN 1 | 1,147.5 | 818 | 603 | 983 | 18:28 | 17.18 | 716 |
| UKAI | 1,350 | 713 | 713 | 724 | 14:48 | 17.11 | 713 |
| WANAKBORI | 1,470 | 1,271 | 1,201 | 1,285 | 23:36 | 29.79 | 1,241 |
| DGBP 1 | 219 | 77 | 76 | 90 | 16:22 | 8.44 | 352 |
| ESSAR POWER GAS | 515 | 0 | 0 | 0 | - | 0 | 0 |
| GIPCL STG | 310 | 0 | 0 | 0 | 00:00 | 1.14 | 48 |
| GSEC | 156 | 304 | 9 | 355 | 21:15 | 5.61 | 234 |
| UNOSUGEN | 382.5 | 359 | 307 | 367 | 21:12 | 8.35 | 348 |
| UTRAN STG II | 375 | 291 | 189 | 367 | 21:11 | 6.76 | 282 |
| OTHER THERMAL | 700 | 0 | 0 | 0 | - | 15.91 | 663 |
| TOTAL THERMAL | 13,655 | 8,463 | 7,072 | - | - | 223.73 | 9,324 |
| KADANA | 240 | 0 | 0 | 0 | 00:00 | 0 | 0 |
| UKAI HYDRO | 300 | 0 | 1 | 49 | 00:00 | 0.01 | 0 |
| OTHER HYDRO | 232 | 0 | 0 | 0 | - | 0.19 | 8 |
| TOTAL HYDEL | 772 | 0 | 1 | - | - | 0.2 | 8 |
| WIND | 5,595 | 629 | 822 | 1,010 | 23:42 | 13.97 | 582 |
| SOLAR | 1,501 | 1 | 0 | 957 | 12:21 | 6.47 | 270 |
| OTHER GUJARAT | 1 | 0 | 0 | 0 | - | 0.17 | 7 |
| TOTAL OTHERS | 1 | 0 | 0 | - | - | 0.17 | 7 |
| TOTAL GUJARAT | 21,524 | - | - | - | - | 244.54 | 10,191 |

| MADHYA PRADESH | | | | | | | |
|---------------------------------|-------------------------------------|--------------|--------------|----------|----------|---------------|--------------|
| सुटेसन/ Station/Constituents | सुथापति कषमेता/Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| AMARKANTAK | 210 | 216 | 216 | 220 | 04:48 | 5.13 | 214 |
| JP BINA | 500 | 461 | 331 | 477 | 17:13 | 9.02 | 376 |
| SANJAY GANDHI TPS | 1,340 | 1,105 | 1,098 | 1,217 | 06:32 | 23.36 | 973 |
| SATPURA II | 1,330 | 836 | 842 | 924 | 09:24 | 3.6 | 150 |
| SINGAJI | 1,200 | 678 | 682 | 979 | 08:56 | 19.26 | 803 |
| OTHER THERMAL | 800 | 0 | 0 | 0 | - | 31.13 | 1,297 |
| TOTAL THERMAL | 5,380 | 3,296 | 3,169 | - | - | 91.5 | 3,813 |
| INDIRASAGAR | 1,000 | 375 | 0 | 874 | 17:45 | 6.04 | 252 |
| OMKARESHWAR | 520 | 251 | 0 | 426 | 17:48 | 2.86 | 119 |
| OTHER HYDRO | 183 | 0 | 0 | 0 | - | 1.8 | 75 |
| TOTAL HYDEL | 1,703 | 626 | 0 | - | - | 10.7 | 446 |
| WIND | 2,438 | -1 | -1 | 969 | 12:17 | 12.24 | 510 |
| SOLAR | 1,413 | 544 | 739 | 1,127 | 23:27 | 6.75 | 281 |
| OTHER MADHYA PRADESH | 1 | 0 | 0 | 0 | - | 0.38 | 16 |
| TOTAL OTHERS | 1 | 0 | 0 | - | - | 0.38 | 16 |
| TOTAL MADHYA PRADESH | 10,935 | - | - | - | - | 121.57 | 5,066 |

| MAHARASHTRA | | | | | | | | |
|----------------------------------|-------------------------------|---------------|---------------|----------|----------|---------------|--|---------------|
| संस्थान/ Station/Constituents | स्थापित क्षमता/Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | | |
| APML TIRODA | 3,300 | 2,705 | 3,013 | 3,043 | 09:44 | 71.36 | | 2,973 |
| BHUSAWAL | 1,210 | 809 | 668 | 829 | 10:03 | 19.13 | | 797 |
| CHANDRAPUR | 2,920 | 1,803 | 1,752 | 1,963 | 14:39 | 45.22 | | 1,884 |
| DAHANU | 500 | 499 | 487 | 508 | 15:49 | 11.14 | | 464 |
| DHARIWAL STU | 300 | 146 | 146 | 146 | 00:00 | 3.5 | | 146 |
| IB AMARAVATI | 1,350 | 248 | 251 | 260 | 12:49 | 5.93 | | 247 |
| IEPL | 540 | 1 | 1 | 1 | 00:00 | 0.01 | | 0 |
| JAIGAD | 1,200 | 1,135 | 956 | 1,139 | 17:07 | 27.14 | | 1,131 |
| KHAPARKHEDA | 1,340 | 940 | 921 | 985 | 20:13 | 23.43 | | 976 |
| KORADI | 2,600 | 986 | 986 | 986 | 00:00 | 21.24 | | 885 |
| NASIK | 630 | 281 | 280 | 300 | 01:15 | 7.56 | | 315 |
| PARAS | 500 | 0 | 222 | 229 | 15:23 | 3.12 | | 130 |
| PARLI | 1,170 | 185 | 185 | 185 | 00:00 | 9.07 | | 378 |
| TROMBAY | 1,250 | 900 | 810 | 913 | 09:14 | 10.33 | | 430 |
| URAN | 672 | 273 | 293 | 304 | 06:03 | 6.96 | | 290 |
| OTHER THERMAL | 1,000 | 0 | 0 | 0 | - | 30.31 | | 1,263 |
| TOTAL THERMAL | 20,482 | 10,911 | 10,971 | - | - | 295.45 | | 12,309 |
| BHIRA | 150 | 150 | 1 | 152 | 12:35 | 0.12 | | 5 |
| BHIRA PSS | 250 | 164 | 0 | 165 | 15:01 | 1.64 | | 68 |
| BHIVPURI | 75 | 23 | 0 | 72 | 11:06 | 0.51 | | 21 |
| GHATGHAR | 250 | 125 | 0 | 125 | 17:56 | 0.44 | | 18 |
| KHOPOLI | 72 | 24 | 0 | 25 | 07:58 | 0.33 | | 14 |
| KOYNA I AND II | 600 | 233 | 41 | 246 | 18:34 | 1.22 | | 51 |
| KOYNA III | 320 | 157 | 0 | 157 | 18:44 | 0.47 | | 20 |
| KOYNA ST-IV | 1,000 | -3 | -5 | -3 | 19:18 | -0.11 | | -5 |
| OTHER HYDRO | 100 | 0 | 0 | 0 | - | 3.78 | | 158 |
| TOTAL HYDEL | 2,817 | 873 | 37 | - | - | 8.4 | | 350 |
| WIND | 4,769 | 739 | 739 | 739 | 00:00 | 14.25 | | 594 |
| SOLAR | 1,305 | 184 | 104 | 743 | 12:52 | 6.05 | | 252 |
| OTHER MAHARASHTRA | 1 | 0 | 0 | 0 | - | 0 | | 0 |
| TOTAL OTHERS | 1 | 0 | 0 | - | - | 0 | | 0 |
| TOTAL MAHARASHTRA | 29,374 | - | - | - | - | 324.15 | | 13,505 |

3(B) Regional Entities Generation

ISGS

| संस्थान/ Station/Constituents | स्थापित क्षमता/Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | | AVG. MW |
|----------------------------------|-------------------------------|---------------|---------------|----------|----------|---------------|--------------|---------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | |
| CGPL | 4,150 | 3,018 | 2,986 | 3,031 | 12:55 | 63.1 | 61.36 | 2,557 |
| GANDHAR | 657 | 252 | 59 | 259 | 19:16 | 2.91 | 2.6 | 108 |
| KAPS | 440 | 181 | 181 | 181 | 00:00 | 4.63 | 4.34 | 181 |
| KAWAS | 656.2 | 539 | 331 | 624 | 18:25 | 10.63 | 10.41 | 434 |
| KSTPS | 2,100 | 1,297 | 1,286 | 1,326 | 19:27 | 31.37 | 31.03 | 1,293 |
| KORBA III | 500 | 489 | 499 | 507 | 23:23 | 11.31 | 11.88 | 495 |
| MOUDA I | 1,000 | 856 | 655 | 926 | 06:55 | 20.92 | 19.48 | 812 |
| MOUDA II | 1,320 | 0 | 395 | 522 | 06:42 | 3.55 | 3.17 | 132 |
| NSPCL | 500 | 472 | 427 | 495 | 18:04 | 9.79 | 10.78 | 449 |
| RGPPL | 1,944 | 520 | 473 | 554 | 19:33 | 12.62 | 12.07 | 503 |
| SIPAT I | 1,980 | 1,888 | 1,921 | 1,961 | 09:15 | 44.79 | 45.7 | 1,904 |
| SSP(RBPH+CHPH) | 1,450 | 138 | 148 | 177 | 16:48 | 3.38 | 3.5 | 146 |
| SASAN | 3,960 | 3,816 | 3,819 | 3,874 | 19:39 | 88.44 | 91.24 | 3,802 |
| SIPAT II | 1,000 | 756 | 747 | 791 | 22:16 | 17.82 | 18.13 | 755 |
| SOLAPUR STPS | 660 | 578 | 362 | 585 | 20:03 | 13.02 | 12.38 | 516 |
| TARAPUR I | 320 | 263 | 251 | 265 | 22:32 | 6.05 | 6.13 | 255 |
| TARAPUR II | 1,080 | 986 | 997 | 1,009 | 06:41 | 23.54 | 23.93 | 997 |
| VSTPS I | 1,260 | 1,133 | 1,175 | 1,407 | 02:11 | 24.91 | 27.61 | 1,150 |
| VSTPS II | 1,000 | 998 | 1,023 | 1,230 | 07:38 | 22.62 | 24.18 | 1,008 |
| VSTPS III | 1,000 | 1,068 | 1,089 | 1,116 | 07:20 | 22.62 | 25.73 | 1,072 |
| VSTPS IV | 1,000 | 936 | 935 | 953 | 18:28 | 22.62 | 22.45 | 935 |
| VSTPS V | 500 | 476 | 477 | 485 | 09:07 | 11.19 | 11.4 | 475 |
| SUB-TOTAL | 28,477.2 | 20,660 | 20,236 | - | - | 471.83 | 479.5 | 19,979 |
| TOTAL | 28,477.2 | - | - | - | - | 471.83 | 479.5 | 19,979 |

IPP/JV

| स्टेशन/ Station/Constituents | स्थापित क्षमता/ Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | | AVG. MW |
|---------------------------------|-----------------------------------|--------------|--------------|----------|----------|---------------|---------------|--------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | |
| ACBIL | 270 | 376 | 375 | 384 | 14:02 | 9.22 | 9.03 | 376 |
| BALCO | 1,200 | 352 | 343 | 382 | 09:23 | 8.4 | 8.37 | 349 |
| DB POWER | 1,200 | 676 | 676 | 1,030 | 00:07 | 22.5 | 16.84 | 702 |
| DCPP | 540 | 126 | 40 | 132 | 18:37 | 2.47 | 2.5 | 104 |
| DGEN | 1,200 | -2 | -2 | -2 | 17:52 | 0 | -0.05 | -2 |
| DHARIWAL CTU | 300 | 275 | 241 | 282 | 09:18 | 6.31 | 6.31 | 263 |
| ESSAR(MAHAN) | 600 | -16 | -5 | 6 | 13:20 | 0 | -0.21 | -9 |
| GMR CHHATISGARH | 1,370 | 579 | 369 | 604 | 15:49 | 10.61 | 10.33 | 430 |
| GMR WARORA | 600 | 567 | 563 | 585 | 08:41 | 13.2 | 13.28 | 553 |
| JP NIGRIE | 1,320 | 1,253 | 1,244 | 1,266 | 19:40 | 29.16 | 29.59 | 1,233 |
| JPL STG-I | 1,000 | 551 | 327 | 554 | 19:17 | 7.75 | 10.27 | 428 |
| JPL STG-II | 2,400 | 951 | 944 | 1,021 | 00:47 | 20.51 | 20.75 | 865 |
| JHABUA POWER | 600 | 367 | 331 | 464 | 12:33 | 9.6 | 9.56 | 398 |
| KSK MAHANADI | 1,800 | 1,137 | 1,131 | 1,146 | 12:23 | 26.88 | 27.08 | 1,128 |
| KWPCL | 600 | 0 | 0 | 0 | 00:00 | 0 | 0 | 0 |
| LANCO | 600 | 566 | 454 | 574 | 17:51 | 12.57 | 12.82 | 534 |
| MB POWER | 1,200 | 735 | 603 | 752 | 19:15 | 15.12 | 15.29 | 637 |
| RKM POWER | 1,080 | 176 | 172 | 307 | 17:16 | 4.57 | 4.65 | 194 |
| SKS POWER | 600 | -3 | -2 | -2 | 21:01 | 0 | -0.05 | -2 |
| TRN ENERGY | 600 | 278 | 290 | 297 | 03:19 | 6.81 | 6.86 | 286 |
| SUB-TOTAL | 19,080 | 8,944 | 8,094 | - | - | 205.68 | 203.22 | 8,467 |
| TOTAL | 19,080 | - | - | | | 205.68 | 203.22 | 8,467 |

RENEWABLE

| स्टेशन/ Station/Constituents | स्थापित क्षमता/ Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | | AVG. MW |
|---------------------------------|-----------------------------------|----------|-------------|----------|-------|-------------|-------------|-----------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | |
| ACME SOLAR | 100 | 0 | -1 | 11 | 12:33 | 0.71 | 0.05 | 2 |
| ARINSUN SOLAR | 10 | 0 | -1 | 11 | 12:33 | 0.05 | 0.05 | 2 |
| MAHINDRA SOLAR | 40.8 | 0 | 0 | 39 | 12:08 | 0.24 | 0.21 | 9 |
| OSTRO WIND | 126 | 0 | 0 | 106 | 12:10 | 0.87 | 0.6 | 25 |
| TOTAL | 276.8 | - | - | | | 1.87 | 0.91 | 38 |

REGIONAL GENERATION SUMMARY

| | THERMAL GEN MU | SOLAR GEN MU | WIND GEN MU | HYDRO GEN MU | OTHER GEN MU | TOTAL GEN MU | SCHEDULE MU |
|---------------|----------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
| ISGS | 445.94 | - | - | 3.5 | 30.06 | 479.5 | 471.83 |
| IPP | 203.22 | - | - | - | - | 203.22 | 205.68 |
| Constituents | 664.84 | 19.56 | 40.47 | 19.9 | 0.55 | 745.32 | 747.3 |
| Renewables | - | 0.31 | 0.6 | - | - | 0.91 | 1.87 |
| Region | 1,314 | 19.87 | 41.07 | 23.4 | 30.61 | 1,428.95 | 1,426.68 |

4(A) अंतर क्षेत्रीय वनिमिय/INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

| SL.No. | Element | 19:00 | 03:00 | अधिकतम पस्पर वनिमिय/Maximum Interchange (MW) | | आयात/Import in MU | नरियात/Export in MU | शुद्ध वनिमिय/NET |
|--|---------------------------------|------------|---------------|--|--------------------|-------------------|---------------------|------------------|
| | | (MW) | MW | आयात/Import (MW) | नरियात/Export (MW) | | | |
| EAST REGION WEST REGION // Import/Export between EAST REGION and WEST REGION | | | | | | | | |
| 1 | 220KV-KORBA-BUDIPADAR | -226 | -191 | - | -247 | 0 | -4.22 | -4.22 |
| 2 | 220KV-RAIGARH-BUDIPADAR | - | - | - | - | 0 | 0 | 0 |
| 3 | 400KV-RAIGARH-JHARSUGUDA | -552 | -429 | - | -600 | 0 | -11.6 | -11.6 |
| 4 | 400KV-RAIGARH-ROURKELA | - | - | - | - | - | - | - |
| 5 | 400KV-RAIGARH-STERLITE | - | - | - | - | - | - | - |
| 6 | 400KV-SIPAT-RANCHI | -172 | -178 | - | -210 | 0 | -3.89 | -3.89 |
| 7 | 765KV-DHARJAYGARH-JHARSUGUDA | 1,342 | 0 | 1,380 | -920 | 0 | -25 | -25 |
| 8 | 765KV-DHARJAYGARH-RANCHI | 197 | -383 | 282 | -413 | 0 | -3.4 | -3.4 |
| Sub-Total EAST REGION | | 589 | -1,181 | 1,662 | -2,390 | 0 | -48.11 | -48.11 |
| NORTH REGION WEST REGION // Import/Export between NORTH REGION and WEST REGION | | | | | | | | |
| 1 | 132KV-GWALIOR-SAWAI MADHOPUR | - | - | - | - | - | - | - |
| 2 | 220KV-BHANPURA-MODAK | 9 | 23 | 40 | -52 | 0.23 | -0.15 | 0.08 |
| 3 | 220KV-BHANPURA-SAKATPURA | 41 | 39 | 62 | 0 | 2.02 | 0 | 2.02 |
| 4 | 220KV-MALANPUR-AURIYA | 72 | 64 | 99 | - | 1.7 | 0 | 1.7 |
| 5 | 220KV-MEHGAON-AURIYA | 101 | 94 | 138 | - | 2.36 | 0 | 2.36 |
| 6 | 400KV-KANSARI-BHINMAL | 34 | 162 | 344 | -61 | 2.87 | 0 | 2.87 |
| 7 | 400KV-KANSARI-KANKROLI | 302 | 258 | 447 | - | 7.17 | 0 | 7.17 |
| 8 | 400KV-SUJALPUR-RAPP | 269 | 266 | 478 | - | 3.51 | 0 | 3.51 |
| 9 | 400KV-VSTPS-RIHAND | 477 | 477 | 488 | - | 11.32 | 0 | 11.32 |
| 10 | 765KV-GWALIOR-AGRA | -925 | -1,117 | - | -874 | 0 | -26.41 | -26.41 |
| 11 | 765KV-GWALIOR-JAIPUR | -473 | -743 | - | -1,110 | 0 | -17.05 | -17.05 |
| 12 | 765KV-GWALIOR-ORAI | 300 | 322 | 498 | - | 8.54 | 0 | 8.54 |
| 13 | 765KV-JABALPUR-ORAI | 134 | -18 | 328 | -254 | 0.88 | 0 | 0.88 |
| 14 | 765KV-SATNA-ORAI | -1,453 | -1,523 | - | -1,609 | 0 | -35.01 | -35.01 |
| 15 | HVDC400KV-VINDYACHAL(PS)-RIHAND | 240 | 239 | 241 | - | 6.04 | 0 | 6.04 |
| 16 | HVDC500KV-MUNDRA-MOHINDARGARH | -977 | -977 | - | -981 | 0 | -24.24 | -24.24 |

| | | | | | | | | |
|------------------------|------------------------------|--------|--------|-------|--------|-------|---------|--------|
| 17 | HVDC800KV-CHAMPA-KURUKSHETRA | -649 | -651 | - | -653 | 0 | -15.29 | -15.29 |
| Sub-Total NORTH REGION | | -2,498 | -3,085 | 3,163 | -5,594 | 46.64 | -118.15 | -71.51 |

| | | | | | | | | |
|------------------------|-----------------------------------|--------|--------|-------|---------|-------|---------|--------|
| 1 | 220KV-KOLHAPUR-CHIKKODI-II | - | - | - | - | - | - | - |
| 2 | 220KV-PONDA-AMBEWADI | 1 | 1 | 1 | - | 0.03 | 0 | 0.03 |
| 3 | 220KV-TALANGADE(MS)-CHIKKODI-II | - | - | - | - | - | - | - |
| 4 | 220KV-XELDEM-AMBEWADI | 56 | 46 | - | 62 | 1.18 | 0 | 1.18 |
| 5 | 400KV-KOLHAPUR GIS-NARENDRA KUDGI | 209 | 307 | 733 | - | 9.77 | 0 | 9.77 |
| 6 | 765KV-SOLAPUR-RAICHUR | -1,985 | -1,255 | 10 | -2,002 | 0 | -26.68 | -26.68 |
| 7 | 765KV-WARDHA-NIZAMABAD | -1,581 | -1,681 | - | -2,067 | 0 | -31.23 | -31.23 |
| 8 | HVDC400KV-BARSUR-L.SILERU | - | - | - | - | - | - | - |
| 9 | HVDC500KV-BHADRAWATI-RAMAGUNDAM | -989 | -796 | - | -999 | 0 | -23.05 | -23.05 |
| Sub-Total SOUTH REGION | | -4,289 | -3,378 | 744 | -5,006 | 10.98 | -80.96 | -69.98 |
| TOTAL IR EXCHANGE | | -6,198 | -7,644 | 5,569 | -12,990 | 57.62 | -247.22 | -189.6 |

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

| | JSGS/(LT+MT) शैड्यूल/Schedule | BILT शैड्यूल/Schedule | PX शैड्यूल/Schedule | Total IR कुल शैड्यूल/Schedule | Total IR वास्तविक/Actual | NET IR UI |
|--------|-------------------------------|-----------------------|---------------------|-------------------------------|--------------------------|-----------|
| WR-SR | -108.1 | 18.55 | 1.84 | -87.71 | -69.98 | 17.73 |
| WR-NR | -155.49 | 13.61 | 48.51 | -93.37 | -71.51 | 21.86 |
| WR-ER* | 38.78 | -0.18 | -34.49 | 4.11 | -48.11 | -52.22 |
| Total | -224.81 | 31.98 | 15.86 | -176.97 | -189.6 | -12.63 |

* Bangladesh schedule MU from WR = 1.49 MU

5.Frequency Profile

| RANGE(Hz) | < 48.8 | < 49 | < 49.2 | < 49.5 | < 49.7 | < 49.9 | >= 49.9 - <= 50.05 | > 50.05 |
|---|--------|------|--------|--------|--------|--------|--------------------|---------|
| % | .00 | .00 | .00 | .00 | .00 | 14.80 | 80.60 | 4.60 |
| Percentage of Time Frequency Remained outside IEGC Band | | | | | 19.4 | | | |
| No. of hours frequency outside IEGC Band | | | | | 4.656 | | | |

| अधिकतम /Maximum | | न्यूनतम/Minimum | | औसत/Average Frequency | Freq Variation Index | Standard Deviation | Freq. in 15 mnt blk | |
|-----------------|----------|-----------------|----------|-----------------------|----------------------|--------------------|---------------------|-------|
| Frequency | Time | Frequency | Time | | | | Max. | Min. |
| 50.12 | 06:02:00 | 49.74 | 19:22:40 | 49.96 | 0.051 | 0.056 | 50.07 | 49.83 |

6.वोल्टेज प्रोफाइल/Voltage Profile: 400kV

| STATION | अधिकतम/Maximum | | न्यूनतम/Minimum | | वर्षांतर/Voltage (in %) | | | Hours Voltage Outside IEGC Range(VDI) |
|-------------------|----------------|-------|-----------------|-------|-------------------------|---------------|-------|---------------------------------------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 380 | IEGC Band (A) | > 420 | |
| AMRELI - 400KV | 421.74 | 19:25 | 404.32 | 10:26 | 0 | 97.1 | 2.9 | .7 |
| ASOJ - 400KV | 415.39 | 19:58 | 401.86 | 10:55 | 0 | 100 | 0 | 0 |
| BHILAI - 400KV | 416.33 | 22:01 | 408.23 | 17:51 | 0 | 100 | 0 | 0 |
| BHOPAL - 400KV | 414.52 | 20:15 | 401.64 | 15:25 | 0 | 100 | 0 | 0 |
| BOISAR - 400KV | 420.87 | 03:57 | 401.53 | 10:58 | 0 | 98.2 | 1.8 | .4 |
| DEHGAM - 400KV | 429.46 | 19:58 | 0.01 | 10:39 | .8 | 27.4 | 71.8 | 17.4 |
| DHULE - 400KV | 432.11 | 21:53 | 407.19 | 15:08 | 0 | 56.7 | 43.3 | 10.4 |
| DAMOH - 400KV | 421.52 | 20:14 | 410.34 | 09:46 | 0 | 97.4 | 2.6 | .6 |
| GPEC - 400KV | 426.58 | 03:44 | 411.93 | 10:52 | 0 | 43.5 | 56.5 | 13.5 |
| GWALIOR - 400KV | 411.52 | 20:15 | 395.9 | 09:37 | 0 | 100 | 0 | 0 |
| HAZIRA - 400KV | 417.22 | 03:44 | 393.4 | 14:41 | 0 | 100 | 0 | 0 |
| INDORE - 400KV | 415.87 | 20:08 | 0 | 22:40 | .6 | 99.4 | 0 | .2 |
| ITARSI - 400KV | 412.08 | 21:41 | 399.19 | 15:23 | 0 | 100 | 0 | 0 |
| JETPUR - 400KV | 418.76 | 19:36 | 397.04 | 10:55 | 0 | 100 | 0 | 0 |
| KALA - 400KV | 417.54 | 03:43 | 399.92 | 10:26 | 0 | 100 | 0 | 0 |
| KALWA - 400KV | 427.72 | 04:01 | 398.99 | 11:01 | 0 | 58.8 | 41.3 | 9.9 |
| KARAD - 400KV | 427.26 | 21:36 | 407.19 | 10:30 | 0 | 53.3 | 46.7 | 11.2 |
| KASOR - 400KV | 423.93 | 19:57 | 411.29 | 14:37 | 0 | 65.7 | 34.3 | 8.2 |
| KHANDWA - 400KV | 420.28 | 20:12 | 406.8 | 15:23 | 0 | 98.4 | 1.6 | .4 |
| MAGARWADA - 400KV | 419.94 | 01:55 | 402.14 | 10:55 | 0 | 100 | 0 | 0 |
| MAPUSA - 400KV | 422.63 | 17:34 | 405.05 | 10:24 | 0 | 79.7 | 20.3 | 4.9 |
| NAGDA - 400KV | 421.15 | 19:57 | 0 | 22:40 | .6 | 98.1 | 1.3 | .5 |
| NEW KOYNA - 400KV | 427.3 | 21:32 | 409.75 | 10:25 | 0 | 43.1 | 56.9 | 13.7 |
| PARLI - 400KV | 422.78 | 21:41 | 399.54 | 10:26 | 0 | 95.2 | 4.8 | 1.2 |
| RAIPUR - 400KV | 418.99 | 21:53 | 411.18 | 16:28 | 0 | 100 | 0 | 0 |
| RAIGARH - 400KV | 421.8 | 02:03 | 414.92 | 17:15 | 0 | 68.1 | 31.9 | 7.7 |
| VAPI - 400KV | 415.01 | 03:45 | 396.26 | 10:55 | 0 | 100 | 0 | 0 |
| WARDHA - 400KV | 422.82 | 00:00 | 410.57 | 14:24 | 0 | 73.8 | 26.2 | 6.3 |

6.1 Voltage Profile: 765kV

| STATION | /Maximum | | /Minimum | | /Voltage (in %) | | | Hours Voltage Outside IEGC Range(VDI) |
|-----------------|----------|-------|----------|-------|-----------------|---------------|-------|---------------------------------------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 728 | IEGC Band (A) | > 800 | |
| BINA - 765KV | 789.53 | 21:58 | 767.28 | 09:16 | 0 | 100 | 0 | 0 |
| DURG - 765KV | 790.88 | 19:58 | 781.66 | 10:00 | 0 | 100 | 0 | 0 |
| GWALIOR - 765KV | 795.02 | 20:08 | 766.02 | 09:37 | 0 | 100 | 0 | 0 |
| INDORE - 765KV | 784.98 | 20:10 | 758.03 | 15:26 | 0 | 100 | 0 | 0 |
| KOTRA - 765KV | 795.36 | 22:01 | 785.15 | 17:43 | 0 | 100 | 0 | 0 |

| | | | | | | | | |
|------------------|--------|-------|--------|-------|---|-----|---|---|
| SASAN - 765KV | 768.02 | 21:58 | 758.42 | 09:17 | 0 | 100 | 0 | 0 |
| SATNA - 765KV | 774.97 | 21:53 | 756.96 | 09:17 | 0 | 100 | 0 | 0 |
| SEONI - 765KV | 789.05 | 22:01 | 767.13 | 15:46 | 0 | 100 | 0 | 0 |
| SIPAT - 765KV | 771.86 | 21:59 | 761.87 | 15:45 | 0 | 100 | 0 | 0 |
| TAMNAR - 765KV | 795.13 | 22:01 | 785.67 | 17:50 | 0 | 100 | 0 | 0 |
| VADODARA - 765KV | 789.35 | 20:09 | 764.55 | 15:25 | 0 | 100 | 0 | 0 |
| WARDHA - 765KV | 795.47 | 23:59 | 766.81 | 15:25 | 0 | 100 | 0 | 0 |

7(A).Power Energy/Schedule 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 | Bilateral | PX | Total |
| CHHATISGARH | 338.87 | -142.22 | 0 | 289.9 | 117.53 | 0 | 27.08 | 6.32 | -0.83 | 32.56 |
| DADRA AND NAGAR HAVELI | 0 | 0 | 0 | 0 | -130.73 | 0 | 15.88 | 0 | -0.64 | 15.24 |
| DAMAN AND DIU | 0 | 0 | 0 | 0 | 49.34 | 0 | 5.88 | 0 | 0.3 | 6.18 |
| ESIL | 68.91 | 403.6 | 0 | 127.97 | 403.6 | 0 | 0 | 3.07 | 8.92 | 11.99 |
| GOA | 32.49 | -46.26 | 0 | 32.49 | 88.6 | 0 | 7.76 | 1.02 | 0.16 | 8.94 |
| GUJARAT | 886.76 | 563.83 | 0 | 670.2 | 573.53 | 0 | 71.32 | 18.68 | 16.02 | 106.01 |
| MADHYA PRADESH | 595.33 | 16.57 | 0 | 398.95 | 16.57 | 0 | 129.21 | 11.72 | -0.66 | 140.28 |
| MAHARASHTRA | 387.03 | 440.61 | 0 | 349.22 | 665.42 | 0 | 118.12 | 11.02 | 32.88 | 162.01 |

7(B).Power Energy/Schedule Details

| State | ISGS+LT+MT (MW) | | Bilateral (MW) | | IEX (MW) | | PXIL (MW) | |
|------------------------|-----------------|----------|----------------|----------|----------|----------|-----------|----------|
| | /Maximum | /Minimum | /Maximum | /Minimum | /Maximum | /Minimum | /Maximum | /Minimum |
| CHHATISGARH | 1,319.48 | 1,227.66 | 338.87 | 191.96 | 362.42 | -264.12 | 0 | 0 |
| DADRA AND NAGAR HAVELI | 601.89 | 406.51 | 0 | 0 | 0 | -150.84 | 0 | 0 |
| DAMAN AND DIU | 236.84 | 176.78 | 0 | 0 | 49.34 | 0 | 0 | 0 |
| ESIL | 0 | 0 | 433.14 | 68.91 | 423.29 | 78.75 | 0 | 0 |
| GOA | 321.32 | 306.42 | 62.02 | 32.49 | 106.32 | -53.3 | 0 | 0 |
| GUJARAT | 4,436.95 | 3,397.36 | 894.63 | 670.2 | 1,034.57 | 177.01 | 0 | 0 |
| MADHYA PRADESH | 4,278.15 | 3,784.84 | 595.33 | 397.91 | 16.57 | -109.15 | 0 | 0 |
| MAHARASHTRA | 5,069.5 | 4,024.6 | 604.18 | 348.2 | 2,827.09 | 47.76 | 0 | 0 |

8.Significant events (If any):

9.System Constraints (If any)

10. Weather Condition:

Shift In Charge



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

Power Supply Position in Southern Region For 30-Oct-2018

Date of Reporting:31-Oct-2018

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 # |
| 44,053 | -469 | 44,522 | 49.94 | 36,768 | 0 | 36,768 | 50 | 1,006.87 | 3.16 |

* MW Availability indicated above includes SR ISTS Loss.

#Shortage is calculated at 50 Hz which is the sum of Load Shedding and Frequency Correction at 50 Hz

2(A)State's Load Deals (At State Periphery) in MUs:

| STATE | State's Control Area Generation (Net MU) | | | | | | Net SCH (Net Mu) | Drawal (Net Mu) | UI (Net Mu) | Availability (Net MU) | Demand Met (Net MU) | Shortage # (Net MU) |
|--------|--|-------|------------------------|-------|-------|--------|---------------------|--------------------|----------------|--------------------------|------------------------|------------------------|
| | THERMAL | HYDRO | GAS/DIESEL/ NAPHTHA | WIND | SOLAR | OTHERS | | | | | | |
| AP | 63.2 | 12.83 | 16.63 | 7.36 | 14.81 | 4.32 | 64.59 | 72.78 | 8.19 | 183.73 | 191.92 | 0.32 |
| KAR | 65.5 | 44.96 | 0 | 18.28 | 28.7 | 9.6 | 46.09 | 48.55 | 2.46 | 213.13 | 215.59 | 0.37 |
| KER | 0 | 25.5 | 0 | 0.03 | 0.39 | 0.06 | 42.69 | 43.94 | 1.25 | 68.68 | 69.92 | 1.51 |
| TN | 87.46 | 28.04 | 7.77 | 1.26 | 10.91 | 18.2 | 154 | 158.8 | 4.8 | 307.65 | 312.45 | 0.55 |
| PONDY | - | - | - | - | - | - | 7.07 | 7 | -0.08 | 7.07 | 7 | 0.06 |
| TG | 86.33 | 4.17 | 0 | 1.08 | 18.41 | 8.39 | 89.59 | 91.6 | 2.01 | 207.98 | 209.99 | 0.35 |
| Region | 302.49 | 115.5 | 24.4 | 28.01 | 73.22 | 40.57 | 404.03 | 422.67 | 18.63 | 988.24 | 1,006.87 | 3.16 |

The accuracy of shortage computation depends on timely load shedding details furnished in the web directly by constituents

2(B)State's Demand Met in MWs and day energy forecast and deviation particulars

| State | Evening Peak (19:00) MW | | | Off-Peak (03:00) MW | | | Day Energy(Net MU) | |
|--------------|-------------------------|-----------------------------|--------------------------------|---------------------|-----------------------------|----------------------------|-----------------------|---|
| | Demand Met | Shortage(-)/Surplus(+) # | Requirement at Evening peak | Demand Met | Shortage(-)/Surplus(+) # | Requirement at Off-Peak | ForeCast (LGBR) (mus) | Deviation[Forecast(LGBR) -Consumption] (mus) |
| AP | 7,283 | -18 | 7,301 | 6,598 | 0 | 6,598 | 185 | 6.92 |
| KAR | 9,388 | -21 | 9,409 | 7,583 | 0 | 7,583 | 208 | 7.59 |
| KER | 3,227 | -358 | 3,585 | 2,447 | 0 | 2,447 | 70.3 | 0.99 |
| PONDY | 321 | -21 | 342 | 249 | 0 | 249 | 7.25 | -0.21 |
| TG | 9,093 | -20 | 9,113 | 8,271 | 0 | 8,271 | 213 | -3.01 |
| TN | 14,741 | -31 | 14,772 | 11,620 | 0 | 11,620 | 314 | -1.55 |
| SR ISTS LOSS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region | 44,053 | -469 | 44,522 | 36,768 | 0 | 36,768 | 997.55 | 10.73 |

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 | Demand Met at maximum requirement | Time | Shortage(-)/Surplus(+) during at maximum Requirement | Maximum Requirement of the day |
| AP | 8,915 | 09:00 | -30.1 | 8,945.1 | 8,915 | 09:00 | -30.1 | 8,945.1 |
| KAR | 10,544 | 11:00 | -28.4 | 10,572.4 | 10,544 | 11:00 | -28.4 | 10,572.4 |
| KER | 3,407 | 21:00 | -320 | 3,727 | 3,407 | 21:00 | -320 | 3,727 |
| PONDY | 337 | 07:15 | -20.52 | 357.52 | 337 | 07:15 | -20.52 | 357.52 |
| TG | 9,729 | 12:00 | 0 | 9,729 | 9,729 | 12:00 | 0 | 9,729 |
| TN | 14,741 | 19:00 | -5.24 | 14,746.24 | 14,741 | 19:00 | -5.24 | 14,746.24 |
| Region | 44,869 | 10:53:39 | -109.43 | 44,978.43 | 44,869 | 10:53:39 | -109.43 | 44,978.43 |

3(A) State Entities Generation:

| ANDHRA PRADESH | | | | | | | |
|-------------------------------------|----------------|--------------|--------------|----------|----------|--------------|--------------|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| HINDUJA POWER CORPORATION LTD | 1,040 | 0 | 0 | 0 | 0 | 0 | 0 |
| KRISHNAPATTANAM | 1,600 | 1,158 | 1,172 | 1,191 | 01:01 | 27.51 | 1,146 |
| RAYALASEEMA TPP | 1,650 | 651 | 546 | 679 | 19:23 | 13.94 | 581 |
| VIJAYAWADA TPS | 1,760 | 975 | 856 | 1,052 | 19:23 | 21.75 | 906 |
| OTHER THERMAL | 0 | 0 | 0 | 0 | 0 | - | - |
| Total THERMAL | 6,050 | 2,784 | 2,574 | - | - | 63.2 | 2,633 |
| HAMPI | 0 | 0 | 0 | 0 | 0 | - | - |
| LOWER SILERU | 460 | 263 | 88 | 299 | 07:35 | 5.09 | 212 |
| SRISAILAM RBPH | 770 | 528 | 0 | 606 | 20:59 | 3.11 | 130 |
| UPPER SILERU | 240 | 234 | 0 | 234 | 19:00 | 1.17 | 49 |
| OTHER HYDEL | 431 | 92 | 98 | 144 | 0 | 3.46 | 144 |
| Total HYDEL | 1,901 | 1,117 | 186 | - | - | 12.83 | 535 |
| GAUTAMI CCPP | 464 | 0 | 0 | 0 | 0 | 0 | 0 |
| GMR (BARG) | 237 | 0 | 0 | 0 | 0 | 0 | 0 |
| JEGURUPADU (GAS) | 217 | 56 | 55 | 100 | 00:14 | 1.45 | 60 |
| Jegrupadu Ext. | 220 | 0 | 0 | 0 | 0 | - | - |
| KONASEEMA CCPP | 450 | 0 | 0 | 0 | 0 | 0 | 0 |
| LANCO (GAS) | 351 | 294 | 285 | 306 | 19:22 | 6.92 | 288 |
| RELIANCE ENERGY LTD. (GAS) | 220 | 0 | 0 | 0 | 0 | 0 | 0 |
| SPECTRUM (GAS) | 208 | 177 | 186 | 188 | 05:05 | 4.41 | 184 |
| VEMAGIRI POWER GENERATION LTD.(GAS) | 370 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIJESWARAM GTS | 272 | 153 | 153 | 161 | 00:00 | 3.86 | 161 |
| OTHER GAS/NAPHTHA/DIESEL | 27 | 0 | 0 | 0 | 0 | - | - |
| Total GAS/NAPHTHA/DIESEL | 3,036 | 680 | 679 | - | - | 16.64 | 693 |
| WIND | 3,948 | 129 | 560 | 846 | 00:00 | 7.36 | 307 |
| SOLAR | 2,153 | 0 | 0 | 1,647 | 11:57 | 14.81 | 617 |
| OTHERS | 619 | 210 | 163 | 219 | 01:19 | 4.32 | 180 |

| | | | | | | | |
|----------------------|--------|-------|-------|---|---|--------|-------|
| Total ANDHRA PRADESH | 17,707 | 4,920 | 4,162 | - | - | 119.16 | 4,965 |
|----------------------|--------|-------|-------|---|---|--------|-------|

| TELANGANA | | | | | | | |
|------------------------|----------------|--------------|--------------|----------|----------|---------------|--------------|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| KAKATIYA ST1&ST2 | 1,100 | 1,016 | 1,028 | 1,161 | 00:48 | 24.35 | 1,014 |
| KOTHAGUEDEM TPS | 2,520 | 1,570 | 1,334 | 1,716 | 23:04 | 33.72 | 1,405 |
| RAMAGUNDAM-B | 63 | 52 | 56 | 60 | 11:23 | 1.14 | 47 |
| SINGARENI TPS | 1,200 | 1,222 | 1,240 | 1,251 | 06:49 | 27.13 | 1,130 |
| Total THERMAL | 4,883 | 3,860 | 3,658 | - | - | 86.34 | 3,596 |
| NAGARJUNA SAGAR | 816 | 0 | 0 | 601 | 18:21 | 0.38 | 16 |
| NAGARJUNA SAGAR (Pump) | 816 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRISAILAM LBPH | 900 | 751 | 1,077 | 760 | 03:00 | 3.24 | 135 |
| SRISAILAM LBPH(Pump) | 900 | 0 | 0 | 341 | 0 | 8.17 | 341 |
| OTHER HYDEL | 710 | 106 | 1,043 | 1,043 | 0 | 0.54 | 23 |
| Total HYDEL | 2,426 | 857 | 2,120 | - | - | 4.16 | 174 |
| WIND | 101 | 0 | 0 | 45 | 0 | 1.08 | 45 |
| SOLAR | 3,362 | 0 | 0 | 2,605 | 11:50 | 18.41 | 767 |
| OTHERS | 166 | 0 | 0 | 350 | 0 | 8.39 | 350 |
| Total TELANGANA | 10,938 | 4,717 | 5,778 | - | - | 118.38 | 4,932 |

| KARNATAKA | | | | | | | |
|--------------------------------|----------------|--------------|--------------|----------|----------|---------------|--------------|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| Bellary TPS | 1,700 | 468 | 311 | 480 | 19:34 | 7.73 | 322 |
| Jindal | 1,460 | 739 | 164 | 832 | 18:49 | 10.71 | 446 |
| Raichur TPS | 1,720 | 833 | 814 | 1,061 | 23:58 | 18.65 | 777 |
| UPCL | 1,200 | 1,102 | 1,002 | 1,155 | 06:02 | 25.81 | 1,075 |
| YERAMARAS TPS | 1,600 | 414 | 0 | 440 | 19:25 | 2.6 | 108 |
| Total THERMAL | 7,680 | 3,556 | 2,291 | - | - | 65.5 | 2,728 |
| NAGJHERI | 885 | 585 | 436 | 587 | 19:22 | 13.02 | 542 |
| SHARAVATHI | 1,035 | 969 | 292 | 995 | 19:23 | 16.91 | 704 |
| Varahi UGPH | 460 | 450 | 50 | 457 | 07:28 | 3.76 | 157 |
| OTHER HYDEL | 2,137 | 913 | 414 | 913 | 01:59 | 11.27 | 470 |
| Total HYDEL | 4,517 | 2,917 | 1,192 | - | - | 44.96 | 1,873 |
| OTHER GAS/NAPTHA/DIESEL | 126 | 0 | 0 | 0 | 0 | - | - |
| Total GAS/NAPTHA/DIESEL | 126 | 0 | 0 | - | - | 0 | 0 |
| WIND | 3,908 | 452 | 1,495 | 1,689 | 00:30 | 18.28 | 762 |
| SOLAR | 4,503 | 0 | 0 | 3,265 | 12:03 | 28.7 | 1,196 |
| OTHERS | 2,604 | 250 | 225 | 1,596 | 16:05 | 9.6 | 1,596 |
| Total KARNATAKA | 23,338 | 7,175 | 5,203 | - | - | 167.04 | 8,155 |

| KERALA | | | | | | | |
|---------------------------------|----------------|--------------|-------------|----------|----------|--------------|--------------|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| Iddukki | 780 | 484 | 358 | 618 | 06:41 | 10.38 | 432 |
| Lower Periyar | 180 | 108 | 2 | 131 | 00:00 | 1.46 | 61 |
| Sabarigiri | 340 | 277 | 230 | 282 | 19:23 | 5.98 | 249 |
| OTHER HYDEL | 752 | 432 | 176 | 432 | 00:00 | 7.68 | 320 |
| Total HYDEL | 2,052 | 1,301 | 766 | - | - | 25.5 | 1,062 |
| BRAHMAPURAM DGPP (DIESEL) | 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| BSES (NAPTHA) | 157 | 0 | 0 | 0 | 0 | 0 | 0 |
| KOZHICODE DPP (DIESEL) | 96 | 0 | 0 | 0 | 0 | 0 | 0 |
| MPS STEEL CASTINGS | 10 | 0 | 0 | 0 | 0 | - | - |
| RGCCPP KAYAMKULAM (KSEB) - NTPC | 360 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER GAS/NAPTHA/DIESEL | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total GAS/NAPTHA/DIESEL | 699 | 0 | 0 | - | - | 0 | 0 |
| WIND | 59 | 0 | 0 | 1 | 0 | 0.03 | 1 |
| SOLAR | 60 | 0 | 0 | 16 | 0 | 0.39 | 16 |
| OTHERS | 20 | 0 | 0 | 3 | 0 | 0.06 | 3 |
| Total KERALA | 2,890 | 1,301 | 766 | - | - | 25.98 | 1,082 |

| TAMIL NADU | | | | | | | |
|--------------------------------|----------------|--------------|--------------|----------|----------|---------------|--------------|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| Mettur TPS | 1,440 | 843 | 734 | 874 | 19:35 | 19.27 | 803 |
| NEYVELI-I (TN) - NLC | 600 | 611 | 353 | 726 | 23:53 | 6.13 | 255 |
| NORTH CHENNAI TPS STG-II | 1,200 | 1,120 | 484 | 1,165 | 21:58 | 19.64 | 818 |
| North Chennai TPS | 630 | 544 | 461 | 600 | 11:56 | 14.1 | 588 |
| ST - CMS | 250 | 250 | 250 | 250 | 01:18 | 5.46 | 228 |
| Tuticorin | 1,050 | 972 | 860 | 1,004 | 19:24 | 22.86 | 953 |
| Total THERMAL | 5,170 | 4,340 | 3,142 | - | - | 87.46 | 3,645 |
| Kadamparai | 400 | 191 | 222 | 198 | 03:00 | 2.57 | 107 |
| Kadamparai (Pump) | 400 | 0 | 0 | 27 | 0 | 0.65 | 27 |
| OTHER HYDEL | 1,826 | 1,157 | 722 | 1,157 | 01:18 | 25.48 | 1,062 |
| Total HYDEL | 2,226 | 1,348 | 944 | - | - | 28.05 | 1,169 |
| BASIN BRIDGE (NAPTHA) | 120 | 0 | 0 | 0 | 0 | 0 | 0 |
| KOVIL KALAPPAL (GAS) | 108 | 42 | 34 | 48 | 19:23 | 0.93 | 39 |
| KUTTALAM (GAS) | 101 | 31 | 31 | 31 | 23:09 | 0.03 | 1 |
| MADURAI POWER CL (DIESEL) | 106 | 0 | 0 | 0 | 0 | 0 | 0 |
| P P NALLUR (NAPTHA) | 331 | 0 | 0 | 0 | 0 | 0 | 0 |
| SAMALPATTY (DIESEL) | 106 | 0 | 0 | 0 | 0 | 0 | 0 |
| VALATTUR(STG1&STG2) | 187 | 66 | 81 | 141 | 02:42 | 3.39 | 141 |
| OTHER GAS/NAPTHA/DIESEL | 362 | 145 | 145 | 145 | 01:18 | 3.43 | 143 |
| Total GAS/NAPTHA/DIESEL | 1,421 | 284 | 291 | - | - | 7.78 | 324 |
| WIND | 7,913 | 0 | 0 | 189 | 23:58 | 1.26 | 53 |
| SOLAR | 1,950 | 0 | 0 | 1,478 | 12:17 | 10.91 | 455 |
| OTHERS | 2,001 | 898 | 910 | 911 | 00:00 | 18.2 | 758 |
| Total TAMILNADU | 20,681 | 6,870 | 5,287 | - | - | 153.66 | 6,404 |

3(B) Regional Entities Generation

| ISGS | | | | | | | |
|----------------------|----------------|--------------|--------------|--------------|----------|---------------|--------------|
| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| KUDGI | 2,400 | 638 | 517 | 663 | 19:22 | 11.27 | 470 |
| Neyveli TS I Expn | 420 | 410 | 410 | 416 | 12:45 | 9.87 | 411 |
| Neyveli TS II | 1,470 | 1,128 | 1,126 | 1,145 | 14:29 | 25.77 | 1,074 |
| Neyveli TS II Expn | 500 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ramagundam | 2,600 | 1,945 | 1,962 | 2,001 | 16:03 | 46.3 | 1,929 |
| Simhadri Stage I | 1,000 | 521 | 525 | 726 | 11:43 | 13.33 | 555 |
| Simhadri Stage II | 1,000 | 921 | 942 | 977 | 23:34 | 21.98 | 916 |
| TALCHER ST2 | 2,000 | 1,122 | 1,563 | 1,563 | 01:19 | 27.92 | 1,164 |
| Total THERMAL | 11,390 | 6,685 | 7,045 | 7,491 | 0 | 156.44 | 6,519 |
| KAIGA STG1 | 440 | 367 | 362 | 395 | 21:56 | 9.49 | 395 |
| KAIGA STG2 | 440 | 403 | 401 | 416 | 10:06 | 9.99 | 416 |
| KUDANKULAM | 2,000 | 806 | 815 | 844 | 03:42 | 20.25 | 844 |
| MAPS | 440 | 156 | 159 | 162 | 22:05 | 3.65 | 152 |
| Total NUCLEAR | 3,320 | 1,732 | 1,737 | 1,817 | 0 | 43.38 | 1,807 |
| Total ISGS | 14,710 | 8,417 | 8,782 | | | 199.82 | 8,326 |

JOINT VENTURE

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|----------------------------|----------------|--------------|--------------|--------------|----------|--------------|--------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| NTPL | 1,000 | 922 | 939 | 961 | 14:02 | 22.31 | 930 |
| Vallur TPS | 1,500 | 898 | 633 | 939 | 17:40 | 15.96 | 665 |
| Total THERMAL | 2,500 | 1,820 | 1,572 | 1,900 | 0 | 38.27 | 1,595 |
| Total JOINT_VENTURE | 2,500 | 1,820 | 1,572 | | | 38.27 | 1,595 |

IPP UNDER OPEN ACCESS

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG. MW |
|--------------------------------|----------------|--------------|--------------|--------------|----------|-------------|--------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| COASTAL ENERGY | 1,200 | 560 | 559 | 570 | 19:24 | 13.48 | 562 |
| IL&FS | 1,200 | 558 | 521 | 579 | 19:45 | 13.05 | 544 |
| MEENAKSHI ENERGY LTD | 1,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| SEIL | 1,320 | 0 | 0 | 0 | 0 | 0 | 0 |
| SGPL | 1,320 | 631 | 1,257 | 1,264 | 05:25 | 21.27 | 886 |
| SIMHAPURI ENERGY PVT LTD | 600 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total THERMAL | 6,640 | 1,749 | 2,337 | 2,413 | 0 | 47.8 | 1,992 |
| LKPPL ST2 | 366 | 0 | 0 | 0 | 0 | 0 | 0 |
| LKPPL ST3 | 732 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total GAS/NAPTHA/DIESEL | 1,098 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total REGIONAL_IPP | 7,738 | 1,749 | 2,337 | | | 47.8 | 1,992 |

| | | | | | | | |
|------------------------|--------|--------|--------|---|---|--------|--|
| Total ISGS IPP Thermal | 20,530 | 10,254 | 10,954 | | | 242.51 | |
| STATE THERMAL | 23,783 | 14,540 | 11,665 | | | 302.5 | |
| Total CPP Import | | | | | | | |
| Total ISGS & IPP Hydro | | | | | | | |
| HYDEL | 13,122 | 7,540 | 5,208 | - | - | 115.5 | |
| GAS/NAPHTHA/DIESEL | 6,380 | 964 | 970 | - | - | 24.42 | |
| NUCLEAR | 3,320 | 1,732 | 1,737 | - | - | 43.38 | |
| WIND | 15,929 | 581 | 2,055 | - | - | 28.01 | |
| SOLAR | 12,028 | 0 | 0 | - | - | 73.22 | |
| OTHERS | 5,410 | 1,358 | 1,298 | - | - | 69.27 | |

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 SOUTH REGION and EAST REGION | | | | | | | | |
| 1 | 220KV-LOWER_SILERU-BARSUR | - | - | - | - | - | - | - |
| 2 | 220KV-UPPER_SILERU-BALIMELA | - | - | - | - | 0 | 0 | 0 |
| 3 | 400KV-GAZUWAKA-JEYPORE | 640 | 638 | 640 | - | 15.43 | 0 | 15.43 |
| 4 | 765KV-SRIKAKULAM-ANGUL | 1,206 | 1,331 | - | 697 | 27.87 | 0 | 27.87 |
| 5 | HVDC500KV-TALCHER-KOLAR_DC | 1,977 | 794 | 1,979 | - | 42.56 | 0 | 42.56 |
| Sub-Total SOUTH REGION | | 3,823 | 2,763 | 2,619 | 697 | 85.86 | 0 | 85.86 |
| Import/Export between SOUTH REGION and WEST REGION | | | | | | | | |
| 1 | 220KV-AMBEWADI-XELDEM | - | - | - | - | - | - | - |
| 2 | 220KV-CHIKKODI-KOHLAPUR | 0 | 0 | 0 | - | - | - | - |
| 3 | 400KV-BHADRAVTAHI-RAMAGUNDAM | 960 | 772 | - | 590 | 22.16 | 0 | 22.16 |
| 4 | 400KV-KUDGI_PG-KHOLAPUR_PG | 212 | 305 | 750 | - | 0 | 9.82 | -9.82 |
| 5 | 765KV-NIZAMABAD-WARDHA | 1,550 | 1,643 | - | 488 | 32.86 | 0 | 32.86 |
| 6 | 765KV-RAICHUR_PG-SHOLAPUR | 1,987 | 1,251 | 2,018 | - | 26.42 | 0 | 26.42 |
| Sub-Total SOUTH REGION | | 4,709 | 3,971 | 2,768 | 1,078 | 81.44 | 9.82 | 71.62 |
| TOTAL IR EXCHANGE | | 8,532 | 6,734 | 5,387 | 1,775 | 167.3 | 9.82 | 157.48 |

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 |
|-------|-----------------------|---------------|-------------|-------------------|-----------------|-----------|
| SR-ER | -17.05 | 2.81 | 34.28 | 20.04 | 57.931 | 37.891 |
| SR-WR | 108.98 | -18.55 | -1.84 | 88.59 | 71.612 | -16.978 |
| Total | 91.93 | -15.74 | 32.44 | 108.63 | 129.543 | 20.913 |

5.Frequency Profile

| RANGE(Hz) | < 48.8 | < 49 | < 49.2 | < 49.5 | < 49.7 | < 49.9 | >= 49.9 - <= 50.05 | > 50 | > 50.05 |
|-----------|--------|------|--------|--------|--------|--------|--------------------|--------|---------|
| % | 0 | 0 | 0 | 0 | 0 | 14.815 | 80.579 | 21.586 | 4.606 |

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

| Maximum | | Minimum | | Average Frequency | Freq Variation Index | Standard Deviation | Freq. in 15 mnt blk | |
|-----------|----------|-----------|----------|-------------------|----------------------|--------------------|---------------------|-------|
| Frequency | Time | Frequency | Time | | | | Max. | Min. |
| 50.123 | 06:02:00 | 49.738 | 19:22:40 | 49.956 | 0.051 | 0.056 | 50.07 | 49.83 |

6.Voltage Profile: 400kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|-----------------------|---------|-------|---------|-------|----------------|-------|--------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 380 | < 390 | > 420 | > 430 |
| GHANAPUR - 400KV | 422 | 00:00 | 406 | 11:50 | 0 | 0 | 12.083 | 0 |
| GOOTY - 400KV | 424 | 20:56 | 402 | 10:55 | 0 | 0 | 18.333 | 0 |
| HIRIYUR - 400KV | 430 | 20:58 | 404 | 10:34 | 0 | 0 | 53.611 | .278 |
| KAIGA - 400KV | 420 | 02:04 | 400 | 09:31 | 0 | 0 | .069 | 0 |
| KOLAR_AC - 400KV | 420 | 02:02 | 395 | 09:02 | 0 | 0 | 0 | 0 |
| KUDANKULAM - 400KV | 413 | 00:31 | 402 | 12:39 | 0 | 0 | 0 | 0 |
| SHANKARAPALLY - 400KV | 421 | 00:00 | 405 | 12:13 | 0 | 0 | 2.5 | 0 |
| SOMANAHALLI - 400KV | 416 | 02:02 | 387 | 12:12 | 0 | 8.958 | 0 | 0 |
| SRIPERUMBADUR - 400KV | 413 | 23:58 | 399 | 11:47 | 0 | 0 | 0 | 0 |
| TRICHY - 400KV | 414 | 06:02 | 396 | 12:32 | 0 | 0 | 0 | 0 |
| TRIVANDRUM - 400KV | 412 | 03:59 | 397 | 12:17 | 0 | 0 | 0 | 0 |
| VIJAYAWADA - 400KV | 423 | 00:00 | 410 | 12:12 | 0 | 0 | 19.792 | 0 |

6.1 Voltage Profile: 220kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|-----------------------|---------|-------|---------|-------|----------------|--------|--------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 198 | < 210 | > 235 | > 245 |
| GHANAPUR - 220KV | 231 | 00:00 | 220 | 12:13 | 0 | 0 | 0 | 0 |
| GOOTY - 220KV | 239 | 20:56 | 224 | 10:55 | 0 | 0 | 32.083 | 0 |
| HIRIYUR - 220KV | 240 | 20:58 | 213 | 10:34 | 0 | 0 | 11.944 | 0 |
| KAIGA - 220KV | 220 | 00:00 | 220 | 00:00 | 0 | 0 | 0 | 0 |
| KOLAR_AC - 220KV | 230 | 20:58 | 211 | 09:12 | 0 | 0 | 0 | 0 |
| KUDANKULAM - 220KV | 235 | 03:58 | 228 | 12:16 | 0 | 0 | .903 | 0 |
| SOMANAHALLI - 220KV | 216 | 02:02 | 197 | 09:16 | 1.875 | 62.222 | 0 | 0 |
| SRIPERUMBADUR - 220KV | 230 | 04:00 | 221 | 12:18 | 0 | 0 | 0 | 0 |
| TRICHY - 220KV | 210 | 00:00 | 210 | 00:00 | 0 | 0 | 0 | 0 |
| TRIVANDRUM - 220KV | 230 | 04:02 | 221 | 18:55 | 0 | 0 | 0 | 0 |
| VIJAYAWADA - 220KV | 240 | 02:01 | 231 | 12:10 | 0 | 0 | 61.736 | 0 |

6.2 Voltage Profile: 765kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|-----------------|---------|-------|---------|-------|----------------|-------|--------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 720 | < 750 | > 780 | > 800 |
| KURNOOL - 765KV | 799 | 21:02 | 764 | 09:32 | 0 | 0 | 63.611 | 0 |

| | | | | | | | | |
|--------------------|-----|-------|-----|-------|---|---|--------|------|
| NIZAMABAD - 765KV | 801 | 00:00 | 774 | 15:18 | 0 | 0 | 57.847 | .347 |
| RAICHUR_PG - 765KV | 798 | 20:09 | 765 | 10:39 | 0 | 0 | 61.875 | 0 |
| SRIKAKULAM - 765KV | 796 | 00:00 | 775 | 17:51 | 0 | 0 | 86.25 | 0 |

7. Major Reservoir Particulars

| RESERVOIR | DESIGNED | | | PRESENT | | LAST YEAR | | LAST DAY | | MONTH | |
|--------------|------------|-----------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|----------------------|---------------------|
| | MDDL (Mts) | FRL (Mts) | Energy (MU) | Level (Mts) | Energy (MU) | Level (Mts) | Energy (MU) | Inflow (Mus) | Usage (Mus) | "Prog. Inflow (Mus)" | "Prog. Usage (Mus)" |
| NILAGIRIS | 0 | 0 | 1,504 | 0 | 1,136 | 0 | 1,001 | 2.49 | 10.37 | 118.92 | 234.11 |
| IDUKKI | 694.94 | 732.43 | 2,148 | 727.74 | 1,804 | 722.99 | 1,445 | 0 | 12.13 | 154.55 | 299.68 |
| JALAPUT | 818.39 | 838.4 | 534 | 837.29 | 488 | 837.83 | 516 | 0 | 1.35 | 30.68 | 46.54 |
| N.SAGAR | 149.3 | 179.9 | 1,398 | 174.13 | 705 | 175.47 | 766 | 6.26 | 0.86 | 210.86 | 41.42 |
| SRISAILAM | 243.84 | 270.7 | 1,392 | 260.91 | 360 | 269.14 | 965 | 4.37 | 4.93 | 103.16 | 197.62 |
| SUPA | 495 | 564 | 3,159 | 560.15 | 1 | 549.17 | 1,930 | 0.02 | 10.27 | 38.03 | 286 |
| LINGANAMAKKI | 522.73 | 554.5 | 4,557 | 552.82 | 1,876 | 548.26 | 2,791 | 13.2 | 13.27 | 124.97 | 342.63 |
| KAKKI | 908.3 | 981.45 | 916 | 975.41 | 696 | 974.61 | 672 | 0 | 5.68 | 94.97 | 153.5 |
| TOTAL | - | - | 15,608 | - | 7,066 | - | 10,086 | 26.34 | 60.38 | 876.14 | 1,647.63 |

8(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) |
| AP | 495.45 | 172.8 | 0 | 495.74 | -22.2 | 0 | 48.89 | 9.94 | 5.76 | 64.59 |
| KARNATAKA | 0.6 | -114.21 | 0 | 0.6 | -865.22 | 0 | 62.48 | -1.38 | -15.01 | 46.09 |
| KERALA | -152.07 | -5.07 | 0 | -101.38 | 109.49 | 0 | 44.33 | -1.67 | 0.03 | 42.69 |
| TAMILNADU | 18.36 | 110.29 | 0 | 11.33 | 1,523.03 | 0 | 143.01 | 0.32 | 10.65 | 154 |
| PONDICHERRY | 0 | 0 | 0 | 0 | 0 | 0 | 7.07 | 0 | 0 | 7.07 |
| TELANGANA | -52.65 | 1,944.07 | 0 | -45.77 | 1,519.31 | 0 | 59.52 | -1.11 | 31.18 | 89.59 |

8(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 |
| ANDHRA PRADESH | 2,679.69 | 1,672.25 | 1,027.13 | 75.18 | 1,136.99 | 9.69 | 0 | 0 |
| KARNATAKA | 2,729.62 | 2,078.39 | 535.35 | 0.6 | 971.02 | 102.82 | 0 | 0 |
| KERALA | 1,888.71 | 1,821.11 | 152.07 | 0 | 294 | 0 | 0 | 0 |
| TAMILNADU | 6,279.71 | 5,662.67 | 18.36 | 11.33 | 1,922.42 | 0.07 | 0 | 0 |
| PONDICHERRY | 310.39 | 257.88 | 0 | 0 | 0 | 0 | 0 | 0 |
| TELANGANA | 2,662.31 | 2,012.93 | 52.65 | 39.91 | 2,190.67 | 267.29 | 0 | 0 |

9. Synchronisation of new generating units :

| SL.NO | Station Name | Owner | Inst. Capacity (MW) | Date | Time |
|-------|--------------|-------|----------------------|------|------|
|-------|--------------|-------|----------------------|------|------|

10. Synchronisation of new 220 / 400 / 765 KV Transmission elements and energising of bus /substation :

| SL.NO | Station Name | Owner | Inst. Capacity (MW) | Date | Time |
|-------|--------------|-------|----------------------|------|------|
|-------|--------------|-------|----------------------|------|------|

11. Significant events (If any):

12. System Constraints (If any)

13. Weather Condition:

Shift In Charge



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

Power Supply Position in EASTERN Region For 30-Oct-2018

Date of Reporting:31-Oct-2018

1. Regional Availability/Demand:

| Evening Peak (19:00) MW | | | | Off-Peak (14:00) MW | | | | Day Energy(Net MU) | |
|-------------------------|------------------------|-------------|-----------|---------------------|------------------------|-------------|-----------|--------------------|----------------|
| Demand Met | Shortage(-)/Surplus(+) | Requirement | Freq (Hz) | Demand Met | Shortage(-)/Surplus(+) | Requirement | Freq (Hz) | Demand Met | Shortage (-ve) |
| 19718 | -610 | 20328 | 49.96 | 14681 | 0 | 14681 | 49.99 | 373.33 | -1.83 |

2(A)State's Load Deals (At State Periphery) in MUs:

| STATE | State's Control Area Generation (Net MU) | | | | | | | Net SCH (Net Mu) | Drawal (Net Mu) | UI (Net Mu) | Availability (Net MU) | Requirement (Net MU) | Shortage (-ve) (Net MU) | Consumption (Net MU) |
|-------------|--|-------|------------------------|----------------|--------|--------|----------------------------|---------------------|--------------------|----------------|--------------------------|-------------------------|----------------------------|-------------------------|
| | THERMAL | HYDRO | GAS/DIESEL/ NAPHTHA | RENEW- ABLE | OTHERS | TOTAL | Units under reserve S/D | | | | | | | |
| BIHAR | 2.17 | 0 | 0 | 0.85 | 0 | 3.03 | 0 | 73.25 | 77.88 | 4.63 | 77.03 | 76.28 | 0 | 80.91 |
| DVC | 88.98 | 0.14 | 0 | 0 | 0 | 89.12 | 0 | -26.18 | -25.3 | 0.88 | 63.12 | 62.94 | 0 | 63.82 |
| JHARKHAND | 3.22 | 0 | 0 | 0 | 1.54 | 4.76 | 0 | 15.62 | 17.18 | 1.56 | 18.76 | 20.38 | -0.78 | 21.94 |
| ODISHA | 18.21 | 27.47 | 0 | 0.44 | 14.65 | 60.77 | 0 | 31.27 | 32.82 | 1.55 | 89.77 | 92.04 | -1.05 | 93.59 |
| SIKKIM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.17 | 1.28 | 0.11 | 1 | 1.17 | 0 | 1.28 |
| WEST BENGAL | 66.7 | 8.36 | 0 | 0 | 7.94 | 83 | 0 | 26.83 | 28.8 | 1.97 | 110 | 109.83 | 0 | 111.8 |
| Region | 179.28 | 35.97 | 0 | 1.29 | 24.13 | 240.68 | 0 | 121.96 | 132.66 | 10.7 | 359.68 | 362.64 | -1.83 | 373.34 |

2(B)State's Demand Met in MWs and day energy forecast and deviation particulars

| State | Evening Peak (19:00) MW | | | Off-Peak (14:00) MW | | | Day Energy(Net MU) | |
|-------------|-------------------------|------------------------|-----------------------------|---------------------|------------------------|-------------------------|--------------------|--|
| | Demand Met | Shortage(-)/Surplus(+) | Requirement at Evening peak | Demand Met | Shortage(-)/Surplus(+) | Requirement at Off-Peak | ForeCast(mus) | Deviation[Forecast -Consumption] (mus) |
| BIHAR | 4491 | 0 | 4491 | 2636 | 0 | 2636 | 82.03 | 1.125 |
| DVC | 2944 | 0 | 2944 | 2556 | 0 | 2556 | 56 | -7.8166 |
| JHARKHAND | 912 | -260 | 1172 | 740 | 0 | 740 | 25.8 | 3.862 |
| ODISHA | 4589 | -350 | 4939 | 3493 | 0 | 3493 | 79.19 | -14.4 |
| SIKKIM | 76 | 0 | 76 | 52 | 0 | 52 | 1.13 | -0.15 |
| WEST BENGAL | 6706 | 0 | 6706 | 5204 | 0 | 5204 | 155 | 43.2018 |
| Region | 19718 | -610 | 20328 | 14681 | 0 | 14681 | 399.15 | 25.8222 |

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 Demand Met of the day | Time | Shortage(-) /Surplus(+) during at maximum demand | Requirement at the max demand met of the day |
| BIHAR | 4507 | 19:04 | 0 | 4507 |
| DVC | 3070 | 18:29 | 0 | 3070 |
| JHARKHAND | 1000 | 06:55 | 0 | 1000 |
| ORISSA | 4685 | 19:11 | -350 | 5035 |
| SIKKIM | 94 | 18:10 | 0 | 94 |
| WEST BENGAL | 6902 | 17:58 | 0 | 6902 |
| Region | 19688 | 19:11 | -350 | 20038 |

3(A) State Entities Generation:

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | AVG. MW |
|--|----------------|---------|-------------|----------|-------|------------|---------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BARAUNI TPS (2 * 110) | 220 | 0 | 0 | 0 | | 0 | 0 |
| MUZAFFARPUR TPS (2 * 110) | 220 | 90 | 92 | 97 | 11:20 | 2.17 | 90 |
| Total THERMAL | 440 | 90 | 92 | | | 2.17 | 90 |
| DEHRI & OTHERS (1 * 13.3 + 7 * 1.65) | 24.85 | | | | | | |
| KOSI (4 * 5) | 20 | | | | | | |
| Total HYDEL | 44.85 | 0 | 0 | | | 0 | 0 |
| SOLAR | 0 | | | | | 0.85 | 35 |
| BIHAR SUGAR MILL(1 * 14) | 14 | 0 | 0 | 0 | | 0 | 0 |
| Total OTHERs | 14 | 0 | 0 | | | 0 | 0 |
| Total BIHAR | 498.85 | 90 | 92 | | | 3.02 | 125 |

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | AVG. MW |
|----------------------------|----------------|---------|-------------|----------|-------|------------|---------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| TENUGHAT (2 * 210) | 420 | 0 | 0 | 214 | 12:04 | 3.22 | 134 |
| Total THERMAL | 420 | 0 | 0 | | | 3.22 | 134 |
| SUBARNREKHA HPS (2 * 65) | 130 | 0 | 0 | 0 | | 0 | 0 |
| Total HYDEL | 130 | 0 | 0 | | | 0 | 0 |
| OTHER CPP_IMPORT | 0 | | | | | 1.54 | 64 |
| Total CPP_IMPORT | 0 | 0 | 0 | | | 1.54 | 64 |
| Total JHARKHAND | 550 | 0 | 0 | | | 4.76 | 198 |

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | AVG. MW |
|-----------------------------------|----------------|---------|-------------|----------|-------|------------|---------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BOKARO 'B' (1 * 210) | 210 | 130 | 122 | 139 | 22:56 | 3.01 | 125 |
| BOKARO-'A' (1 * 500) | 500 | 0 | 0 | 0 | | 0 | 0 |
| CHANDRAPURA TPS (2*250) | 500 | 477 | 472 | 485 | 19:55 | 11.41 | 475 |
| DURGAPUR STPS(2 * 500) | 1000 | 896 | 554 | 905 | 18:41 | 14.51 | 605 |
| KODERMA (2 * 500) | 1000 | 492 | 472 | 497 | 08:53 | 11.64 | 485 |
| MEJIA TPS(2 * 250 + 4 * 210) | 1340 | 1011 | 1037 | 1047 | 10:29 | 24 | 1000 |
| MEJIA TPS II (2 * 500) | 1000 | 680 | 451 | 840 | 20:21 | 12.71 | 530 |
| RTPS(2 * 600) | 1200 | 334 | 334 | 359 | 06:25 | 8.2 | 342 |
| WARIA TPS(1 * 210) | 210 | 147 | 159 | 168 | 11:25 | 3.5 | 146 |
| Total THERMAL | 6960 | 4167 | 3601 | | | 88.98 | 3708 |
| MAITHON HPS (1 * 23.2 + 2 * 20) | 63.2 | 20 | 0 | 21 | 18:50 | 0.11 | 5 |

| | | | | | | | |
|------------------------|---------------|-------------|-------------|----|-------|--------------|-------------|
| PANCHET HPS (2 * 40) | 80 | 20 | 0 | 20 | 19:03 | 0.04 | 2 |
| TILAIYA HPS (2 * 2) | 4 | 0 | 0 | 0 | | 0 | 0 |
| Total HYDEL | 147.2 | 40 | 0 | | | 0.15 | 7 |
| Total DVC | 7107.2 | 4207 | 3601 | | | 89.13 | 3715 |

ODISHA

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | AVG. MW |
|---|-----------------|-------------|-------------|----------|-------|--------------|-------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| IB.TPS (2 * 210) | 420 | 320 | 320 | 320 | 00:00 | 7.6 | 317 |
| NAVA BHARAT VENTURES | 95 | | | | | 1.01 | 42 |
| STERLITE(4 * 600) | 2400 | 0 | 0 | 0 | | 0 | 0 |
| TALCHER TPS (2 * 110 + 4 * 62.5) | 470 | 406 | 396 | 412 | 19:39 | 9.6 | 400 |
| Total THERMAL | 3385 | 726 | 716 | | | 18.21 | 759 |
| BALIMELA HPS (2 * 75 + 6 * 60) | 510 | 300 | 300 | 300 | 00:00 | 7.02 | 293 |
| BURLA HPS/HIRAKUD I (2 * 32 + 2 * 49.5 + | 275.5 | 47 | 47 | 48 | 03:13 | 1.1 | 46 |
| CHIPLIMA HPS / HIRAKUD II (3 * 24) | 72 | 20 | 20 | 20 | 00:00 | 0.48 | 20 |
| INDRAVATI (4 * 150) | 600 | 590 | 252 | 601 | 22:14 | 11.54 | 481 |
| MACHKUNDI (1 * 57.38) | 57.38 | 17 | 17 | 17 | 00:00 | 0.78 | 33 |
| MEENAKSHI POWER LTD(3X4 + 2X12.5) | 37 | | | | | 0.51 | 21 |
| ORISSA POWER CONSORTIUM LTD., | 20 | | | | | 0.09 | 4 |
| SAMAL(OPCL)(4 x 5 | | | | | | | |
| RENGALI HPS (5 * 50) | 250 | 186 | 0 | 189 | 17:56 | 1.55 | 65 |
| U.KOLAB (4 * 80) | 320 | 237 | 42 | 239 | 17:35 | 4.4 | 183 |
| Total HYDEL | 2141.88 | 1397 | 678 | | | 27.47 | 1146 |
| SOLAR | 0 | | | | | 0.44 | 18 |
| GMR 3(1 * 350) | 350 | | | | | 7.42 | 309 |
| OTHER CPP_IMPORT (1 * 5173) | 5173 | 692 | 580 | 692 | 07:58 | 7.23 | 301 |
| Total CPP_IMPORT | 5523 | 692 | 580 | | | 14.65 | 610 |
| Total ORISSA | 11049.88 | 2815 | 1974 | | | 60.77 | 2533 |

WEST BENGAL

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | AVG. MW |
|-------------------------------------|----------------|-------------|-------------|----------|-------|--------------|-------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BAKRESHWAR(5 * 210) | 1050 | 497 | 552 | 584 | 11:41 | 12.85 | 535 |
| BANDEL TPS(1 * 210 + 4 * 82.5) | 540 | 122 | 0 | 136 | 19:36 | 1 | 42 |
| KOLAGHAT(6 * 210) | 1260 | 543 | 555 | 561 | 00:00 | 12.85 | 535 |
| SAGARDIGHI(2 * 300 + 2 * 500) | 1600 | 535 | 569 | 590 | 00:01 | 13.41 | 559 |
| SANTALDIH TPS(2 * 250) | 500 | 365 | 365 | 365 | 00:00 | 9.76 | 407 |
| TITAGARH(4 * 60) | 240 | | | | | | |
| Total THERMAL | 5190 | 2062 | 2041 | | | 49.87 | 2078 |
| JALDHAKA HPS(2 * 4 + 3 * 9) | 35 | 25 | 25 | 25 | 00:00 | 0.6 | 25 |
| PURULLA PSP(G)(4 * 225) | 900 | 613 | 219 | 673 | 17:05 | 3.65 | 152 |
| PURULLA PSP(P) | 0 | 0 | 0 | 0 | 21:00 | -3.89 | -162 |
| RAMAMI(4 * 12.5) | 50 | 24 | 24 | 25 | 02:11 | 0.59 | 25 |
| TISTA CANAL(9 * 7.5) | 67.5 | 27 | 27 | 29 | 00:11 | 0.63 | 26 |
| TLDP(8 * 40) | 320 | 296 | 7 | 298 | 18:19 | 2.89 | 120 |
| Total HYDEL | 1372.5 | 985 | 302 | | | 8.36 | 348 |
| DPL (1 * 110 + 1 * 225 + 1 * 300) | 635 | 235 | 204 | 240 | 20:22 | 4.89 | 204 |
| HALDIA ENERGY LTD(2 * 300) | 600 | 0 | 0 | 0 | | 0 | 0 |
| WB CPP (1 * 631) | 631 | 652 | 648 | 680 | 17:08 | 3.05 | 127 |
| Total CPP_IMPORT | 1866 | 887 | 852 | | | 7.94 | 331 |
| Total WEST BENGAL | 8428.5 | 3934 | 3195 | | | 66.17 | 2757 |

CESC

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | AVG. MW |
|------------------------|----------------|------------|-------------|----------|-------|--------------|------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| BUDGE-BUDGE(3 * 250) | 750 | 761 | 758 | 774 | 09:41 | 16.62 | 693 |
| SOUTHERN(2 * 67.5) | 135 | 2 | 57 | 60 | 14:03 | 0.21 | 9 |
| Total THERMAL | 885 | 763 | 815 | | | 16.83 | 702 |
| Total CESC | 885 | 763 | 815 | | | 16.83 | 702 |

SIKKIM

| Station/Constituents | Inst. Capacity | N/A | N/A | Day Peak | | Day Energy | AVG. MW |
|-------------------------|----------------|----------|-------------|----------|-----|------------|----------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | |
| No Records Found | | | | | | | |
| Total | 0 | 0 | 0 | | | 0 | 0 |
| Total | 0 | 0 | 0 | | | 0 | 0 |

3(B) Regional Entities Generation

| Station/Constituents | Inst. Capacity | 19:00 | 14:00 | Day Peak | | Day Energy | | AVG. MW |
|-------------------------------|----------------|------------|-------------|----------|-------|--------------|--------------|------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | SCHD (MU) | ACT (MU) | |
| BHUTAN | | | | | | | | |
| CHUKA(4 * 84) | 336 | 58 | 40 | 79 | 21:33 | 1.25 | 1.08 | 45 |
| DAGACHU(2 * 63) | 126 | 0 | 0 | 0 | | 0 | 0 | 0 |
| KURICHU HPC (4 * 15) | 60 | 39 | 37 | 39 | 10:16 | 0.12 | 0.59 | 25 |
| TALA(6 * 170) | 1020 | 248 | 171 | 323 | 11:16 | 6.08 | 5.52 | 230 |
| Sub-Total HYDEL | 1542 | 345 | 248 | | | 7.45 | 7.19 | 300 |
| Sub-Total BHUTAN | 1542 | 345 | 248 | | | 7.45 | 7.19 | 300 |
| IPP | | | | | | | | |
| CHUZACHEN(2 * 49.5) | 99 | 44 | 1 | 101 | 06:01 | 0.77 | 0.73 | 30 |
| DIKCHU HEP(2 * 48) | 96 | 58 | 40 | 59 | 17:44 | 0.76 | 0.77 | 32 |
| JOETHANG(2 * 48) | 96 | 45 | 46 | 55 | 23:13 | 1.12 | 0.97 | 40 |
| TASHIDING(2 * 48) | 96 | 43 | 49 | 51 | 13:43 | 1.15 | 1 | 42 |
| TEESTA STG III HEP(6 * 200) | 1200 | 787 | 203 | 845 | 12:15 | 10.83 | 11.12 | 463 |
| Sub-Total HYDEL | 1587 | 977 | 339 | | | 14.63 | 14.59 | 607 |
| ADHUNIK (2 * 270) | 540 | 253 | 246 | 257 | 19:05 | 5.9 | 6.36 | 265 |
| GKEL (2 * 350) | 700 | 649 | 413 | 672 | 18:05 | 11.63 | 11.49 | 479 |
| JITPL (2 * 600) | 1200 | 461 | 452 | 473 | 13:37 | 10.63 | 10.74 | 448 |
| MPL(2 * 525) | 1050 | 493 | 491 | 586 | 20:07 | 11.59 | 12 | 500 |

| | | | | | | | | |
|--------------------------------------|-------|------|------|------|-------|--------|--------|------|
| Sub-Total THERMAL | 3490 | 1856 | 1602 | | | 39.75 | 40.59 | 1692 |
| Sub-Total IPP | 5077 | 2833 | 1941 | | | 54.38 | 55.18 | 2299 |
| NHPC | | | | | | | | |
| RANGIT HPS (3 * 20) | 60 | 59 | 61 | 62 | 12:54 | 1.13 | 1.18 | 49 |
| TEESTA HPS (3 * 170) | 510 | 526 | 176 | 529 | 19:08 | 6.03 | 6.42 | 268 |
| Sub-Total HYDEL | 570 | 585 | 237 | | | 7.16 | 7.6 | 317 |
| Sub-Total NHPC | 570 | 585 | 237 | | | 7.16 | 7.6 | 317 |
| NTPC | | | | | | | | |
| BARH(2 * 660) | 1320 | 1239 | 1226 | 1258 | 16:36 | 29.64 | 29.53 | 1230 |
| FSTPP ST-I & II(2 * 500 + 3 * 200) | 1600 | 1508 | 1467 | 1527 | 19:45 | 35.9 | 36.12 | 1505 |
| FSTPP ST-III(1 * 500) | 500 | 450 | 458 | 476 | 09:14 | 11.04 | 10.83 | 451 |
| KBUNL(2 * 195) | 390 | 170 | 167 | 178 | 15:31 | 4.11 | 3.7 | 154 |
| KHSTPP ST-I(4 * 210) | 840 | 719 | 411 | 746 | 21:28 | 12.03 | 12.07 | 503 |
| KHSTPP ST-II(3 * 500) | 1500 | 1226 | 1001 | 1281 | 19:37 | 24.61 | 24.76 | 1032 |
| NABINAGAR(2 * 250) | 500 | 401 | 299 | 420 | 20:06 | 7.44 | 8.21 | 342 |
| TALCHER STPS - I(2 * 500) | 1000 | 441 | 435 | 451 | 21:45 | 10.44 | 10.81 | 450 |
| TALCHER STPS - II(4 * 500) | 2000 | 1122 | 1138 | 1171 | 02:03 | | 27.49 | 1145 |
| Sub-Total THERMAL | 7650 | 6154 | 5464 | | | 135.21 | 136.03 | 5667 |
| Sub-Total NTPC | 7650 | 6154 | 5464 | | | 135.21 | 136.03 | 5667 |
| RENEWABLE | | | | | | | | |
| TALCHER_SOLAR(1* 10) | 10 | | | | | | 0.03 | 1 |
| Sub-Total SOLAR | 10 | 0 | 0 | | | 0 | 0.03 | 1 |
| Total | 14849 | 9917 | 7890 | | | 204.2 | 206.03 | 8584 |

| | | | | | | | | |
|---|----------|-------|-------|--|--|--|--------|-------|
| Total ISGS & IPP Thermal | 11140 | 8010 | 7066 | | | | 176.62 | 7359 |
| Total State Thermal | 17280 | 7808 | 7265 | | | | 179.28 | 7471 |
| Total CPP Import | 7389 | 1579 | 1432 | | | | 24.13 | 1005 |
| Total ISGS & IPP Hydro | 3699 | 1907 | 824 | | | | 29.38 | 1224 |
| Total State Hydro | 3836.43 | 2422 | 980 | | | | 35.98 | 1501 |
| Renewable /Other | 14 | 0 | 0 | | | | 1.29 | 53 |
| Net Inter Regional Exchange [Import(+ve)/Export(-ve)] | | -1388 | -2215 | | | | -46.89 | -1954 |
| REGIONAL TOTAL(GROSS) | 43358.43 | 20338 | 15352 | | | | 399.79 | 16659 |

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

| SL.No. | Element | 19:00 | 14:00 | Maximum Interchange (MW) | | Import in MU | Export in MU | NET |
|--|---------------------------------|-------|-------|--------------------------|-------------|--------------|--------------|--------|
| | | (MW) | MW | Import (MW) | Export (MW) | | | |
| Import/Export between NORTH REGION and EAST REGION | | | | | | | | |
| 1 | 132KV-GARWAH-RIHAND | 25 | 25 | 25 | | 0.65 | 0 | 0.65 |
| 2 | 132KV-KARMANASA-CHANDAULI | 0 | 0 | | 0 | 0 | 0 | 0 |
| 3 | 132KV-KARMANASA-SAHUPURI | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 132KV-SONENAGAR-RIHAND | | | | | 0 | 0 | 0 |
| 5 | 220KV-PUSAULI-SAHUPURI | -142 | -126 | | -147 | 0 | -3.08 | -3.08 |
| 6 | 400KV-BIHARSARIEFF-BALIA | 52 | -10 | 91 | -134 | 0.13 | 0 | 0.13 |
| 7 | 400KV-BIHARSARIEFF-VARANASI | 224 | 106 | 249 | -43 | 2.71 | 0 | 2.71 |
| 8 | 400KV-MOTIHARI-GORAKHPUR | -173 | -266 | | -290 | 0 | -5.65 | -5.65 |
| 9 | 400KV-MUZAFFARPUR-GORAKHPUR | 51 | -25 | 104 | -392 | 0 | -1.32 | -1.32 |
| 10 | 400KV-PATNA-BALIA | -321 | -493 | | -644 | 0 | -10.93 | -10.93 |
| 11 | 400KV-PUSAULI-VARANASI | -283 | -268 | | -299 | 0 | -6.56 | -6.56 |
| 12 | 400KV-SASARAM-ALLAHABAD | -127 | -140 | | -180 | 0 | -3.13 | -3.13 |
| 13 | 765KV-GAYA-BALIA | -16 | -61 | 41 | -109 | 0 | -1.04 | -1.04 |
| 14 | 765KV-GAYA-VARANASI | 166 | -24 | 211 | -244 | 0.47 | 0 | 0.47 |
| 15 | 765KV-SASARAM-FATEHPUR | 237 | 80 | 266 | -36 | 3.65 | 0 | 3.65 |
| 16 | HVDC SASARAM | -395 | -395 | | -401 | 0 | -9.89 | -9.89 |
| 17 | HVDC500KV-ALIPURDUAR-AGRA | -150 | 0 | | -305 | 0 | -3.54 | -3.54 |
| Sub-Total NORTH REGION | | -457 | -1202 | 987 | -2823 | 7.61 | -35.25 | -27.64 |
| Import/Export between NORTH, EAST REGION and EAST REGION | | | | | | | | |
| 1 | 132KV-DEOTHANG-RANGIA | | | | | 0 | -0.53 | -0.53 |
| 2 | 132KV-GEYLEGPHU-SALAKATI | | | | | 0 | -0.06 | -0.06 |
| 3 | 220KV-ALIPURDUAR-SALAKATI | -67 | -47 | 21 | -91 | 0 | -1 | -1 |
| 4 | 400KV-ALIPURDUAR-BONGAIGAON | -131 | -130 | 187 | -232 | 0 | -1.77 | -1.77 |
| 5 | 400KV-BINAGURI-BONGAIGAON | -255 | -164 | 114 | -338 | 0 | -3.77 | -3.77 |
| Sub-Total NORTH, EAST REGION | | -453 | -341 | 322 | -661 | 0 | -7.13 | -7.13 |
| Import/Export between SOUTH REGION and EAST REGION | | | | | | | | |
| 1 | 220KV-BALIMELA-UPPER-SILERRU | 1 | 1 | 1 | | 0 | 0 | 0 |
| 2 | 765KV-ANGUL-SRIKAKULAM | -1234 | -973 | | -1671 | 0 | -28.02 | -28.02 |
| 3 | GAZUWAKA HVDC | -660 | -658 | | -661 | 0 | -15.71 | -15.71 |
| 4 | TALCHER STG-II I/C | -961 | -949 | | -988 | 0 | -15.07 | -15.07 |
| 5 | TALCHER-KOLAR BIPOLE | -1966 | -1966 | | -1967 | 0 | -42.56 | -42.56 |
| Sub-Total SOUTH REGION | | -2854 | -2579 | 1 | -3320 | 0 | -58.8 | -58.8 |
| Import/Export between WEST REGION and EAST REGION | | | | | | | | |
| 1 | 220KV-BUDHIPADAR-KORBA | 233 | 191 | 246 | | 4.16 | 0 | 4.16 |
| 2 | 220KV-BUDHIPADAR-RAIGARH | -1 | -1 | | -1 | 0 | 0 | 0 |
| 3 | 400KV-JHARSUGUDA-RAIGARH | 553 | 505 | 595 | | 11.6 | 0 | 11.6 |
| 4 | 400KV-NEW RANCHI-SIPAT | 169 | 137 | 200 | | 3.89 | 0 | 3.89 |
| 5 | 765KV-JHARSUGUDA-DHARMAJAYAGARH | 1249 | 984 | 1338 | | 23.82 | 0 | 23.82 |
| 6 | 765KV-NEW RANCHI-DHARMAJAYAGARH | 173 | 91 | 337 | -153 | 3.21 | 0 | 3.21 |

| | | | | | | | |
|-----------------------|-------|-------|------|-------|-------|---------|--------|
| Sub-Total WEST REGION | 2376 | 1907 | 2716 | -154 | 46.68 | 0 | 46.68 |
| TOTAL IR EXCHANGE | -1388 | -2215 | 4026 | -6958 | 54.29 | -101.18 | -46.89 |

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 |
|--------|-----------------------|---------------|-------------|-------------------|-----------------|-----------|
| ER-SR | 22.81 | -8.21 | -34.28 | -19.68 | -58.8 | -39.12 |
| ER-NR | -46.86 | 3.13 | -0.04 | -43.77 | -27.64 | 16.13 |
| ER-WR | -42.03 | 5.58 | 34.49 | -1.96 | 46.68 | 48.64 |
| ER-NER | -3.21 | 0.71 | 7.07 | 4.57 | -7.13 | -11.7 |
| Total | -69.29 | 1.21 | 7.24 | -60.84 | -46.89 | 13.95 |

5. Transnational Exchange (Import=(+ve) /Export =(-ve))

| | Scheduled Energy Exchange(In MU) | Actual Energy Exchange (In MU) | Day Peak (MW) | Day Min (MW) | Day Average (MW) |
|------------|----------------------------------|--------------------------------|---------------|--------------|------------------|
| BHUTAN | 7.45 | 7.19 | 441.56 | 0 | 299.58 |
| NEPAL | -1.23 | -2.37 | -170 | -52 | -98.75 |
| BANGLADESH | -17.36 | -17.17 | -762 | -542 | -715.46 |

| Nepal Exchange | Actual Energy Exchange (In MU) | Day Peak (MW) | Day Min (MW) | Day Average (MW) |
|----------------------------------|--------------------------------|---------------|--------------|------------------|
| 132KV- BIHAR- NEPAL | -2.013 | -243.28 | -33.53 | -84 |
| 220KV- MUZAFFARPUR- DHALKEBAR DC | -2.37 | -170 | -52 | -99 |

6. Frequency Profile

| RANGE(Hz) | < 49.2 | < 49.7 | < 49.8 | < 49.9 | >= 49.9 - <= 50.05 | >= 49.95 - <= 50.05 | >= 50.05 - <= 50.1 | > 50.05 | > 50.2 |
|-----------|--------|--------|--------|--------|--------------------|---------------------|--------------------|---------|--------|
| % | 0 | 0 | .8 | 14.8 | 80.6 | 50 | 4.5 | 4.6 | 0 |

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

| Maximum | | Minimum | | Average | Freq Variation | Standard | Freq. in 15 mnt blk | |
|-----------|----------|-----------|----------|-----------|----------------|-----------|---------------------|-------|
| Frequency | Time | Frequency | Time | Frequency | Index | Deviation | Max. | Min. |
| 50.12 | 06:02:00 | 49.74 | 19:22:40 | 49.96 | 0.051 | 0.056 | 50.07 | 49.83 |

7. Voltage Profile: 400kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|---------------------|---------|-------|---------|-------|----------------|---------------|--------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 380 | > 380 - < 420 | > 420 | > 430 |
| BERHAMPORE - 400KV | 415 | 00:00 | 415 | 00:00 | 0 | 100 | 0 | 0 |
| BIHARSARIFF - 400KV | 416 | 07:49 | 404 | 19:41 | 0 | 100 | 0 | 0 |
| BINAGURI - 400KV | 425 | 03:56 | 406 | 17:41 | 0 | 68.611 | 31.389 | 0 |
| DURGAPUR - 400KV | 414 | 04:45 | 403 | 17:30 | 0 | 100 | 0 | 0 |
| JAMSHEDPUR - 400KV | 415 | 02:33 | 405 | 17:29 | 0 | 100 | 0 | 0 |
| JEERAT - 400KV | 424 | 05:51 | 397 | 17:46 | 0 | 72.5 | 27.5 | 0 |
| JEYPORE - 400KV | 410 | 04:05 | 403 | 19:01 | 0 | 100 | 0 | 0 |
| KODERMA - 400KV | 419 | 07:53 | 408 | 19:26 | 0 | 100 | 0 | 0 |
| MAITHON - 400KV | 419 | 04:02 | 410 | 19:27 | 0 | 100 | 0 | 0 |
| MUZAFFARPUR - 400KV | 411 | 04:00 | 395 | 19:29 | 0 | 100 | 0 | 0 |
| RANGPO - 400KV | 415 | 01:09 | 397 | 17:18 | 0 | 100 | 0 | 0 |
| ROURKELA - 400KV | 411 | 02:28 | 405 | 17:43 | 0 | 100 | 0 | 0 |
| TEESTA - 400KV | 417 | 01:02 | 400 | 17:18 | 0 | 100 | 0 | 0 |

7.1 Voltage Profile: 765kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|--------------------|---------|-------|---------|-------|----------------|--------|--------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 720 | < 750 | > 780 | > 800 |
| ANGUL - 765KV | 788 | 02:01 | 771 | 17:55 | 0 | 0 | 37.5 | 0 |
| GAYA - 765KV | 785 | 07:53 | 767 | 19:27 | 0 | 0 | 27.778 | 0 |
| JHARSUGUDA - 765KV | 799 | 02:02 | 780 | 17:30 | 0 | 0 | 99.792 | 0 |
| NEW RANCHI - 765KV | 786 | 02:01 | 774 | 17:29 | 0 | 0 | 47.778 | 0 |
| SASARAM - 765KV | 766 | 13:30 | 742 | 19:26 | 0 | 17.361 | 0 | 0 |

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

| State | Off- Peak Hours (No Selected Date) | | | Peak Hours (No Selected Date) | | | 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) |
| BIHAR | 137.51 | -175.72 | 0 | 410.58 | 1109.14 | 0 | 59.8 | 5.13 | 8.32 | 73.25 |
| DVC | -308.03 | 39.74 | 0 | -308.03 | 29.74 | 0 | -19.67 | -7.39 | 0.87 | -26.18 |
| JHARKHAND | 125.23 | 0 | 0 | 125.23 | 0 | 0 | 12.62 | 3.01 | 0 | 15.62 |
| ODISHA | -7.21 | 410.96 | 0 | -7.21 | 432.54 | 0 | 21.75 | -0.1 | 9.62 | 31.27 |
| SIKKIM | -25.29 | -20.23 | 0 | -25.29 | -50.59 | 0 | 2.58 | -0.61 | -0.81 | 1.17 |
| WEST BENGAL | -138.74 | -38.52 | 0 | -148.68 | 774.52 | 0 | 27.62 | -3.4 | 2.61 | 26.83 |

8(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 |
| BIHAR | 2708.17 | 2392.72 | 410.58 | 87.92 | 1257.02 | 0 | 0 | 0 |
| BIHAR | 2708.17 | 2392.72 | 410.58 | 87.92 | 1257.02 | 0 | 0 | 0 |
| DVC | 2175.4 | 1408.02 | 308.03 | 308.03 | 41.72 | 29.74 | 0 | 0 |
| DVC | 2175.4 | 1408.02 | 308.03 | 308.03 | 41.72 | 29.74 | 0 | 0 |
| JHARKHAND | 580.59 | 494.63 | 125.23 | 125.23 | 0 | 0 | 0 | 0 |
| JHARKHAND | 580.59 | 494.63 | 125.23 | 125.23 | 0 | 0 | 0 | 0 |
| ODISHA | 981.92 | 833.02 | 12.55 | 7.21 | 515.78 | 325.87 | 0 | 0 |
| ODISHA | 981.92 | 833.02 | 12.55 | 7.21 | 515.78 | 325.87 | 0 | 0 |
| SIKKIM | 149.25 | 72.36 | 25.29 | 25.29 | 72.85 | 4.05 | 0 | 0 |
| SIKKIM | 149.25 | 72.36 | 25.29 | 25.29 | 72.85 | 4.05 | 0 | 0 |

| | | | | | | | | |
|-------------|--------|---------|--------|--------|---------|------|---|---|
| WEST BENGAL | 1218.9 | 1056.52 | 148.68 | 138.74 | 1032.45 | 2.64 | 0 | 0 |
| WEST BENGAL | 1218.9 | 1056.52 | 148.68 | 138.74 | 1032.45 | 2.64 | 0 | 0 |

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

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

| | |
|-----------------------|--|
| 400KV-BANKA-KAHALGAON | |
| 400KV-MPL-MAITHON | |

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

| | EXPORT | IMPORT |
|-----|--------|--------|
| SR | | |
| NR | | |
| WR | | |
| NER | | |

10. Significant events (If any):

11. System Constraints (If any)

12. Weather Condition:

Shift In Charge



**POWER SYSTEM OPERATION CORPORATION LIMITED,
NORTH EASTERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF NORTH EASTERN REGION**

Power Supply Position in NORTH EASTERN Region For 30-Oct-2018

Date of Reporting:31-Oct-2018

1. Regional Availability/Demand:

| Demand Met | Evening Peak (19:00) MW | | | Off-Peak (03:00) MW | | | | Day Energy(Net MU) | |
|------------|-------------------------|-------------|-----------|---------------------|----------|-------------|-----------|--------------------|----------|
| | Shortage | Requirement | Freq (Hz) | Demand Met | Shortage | Requirement | Freq (Hz) | Demand Met | Shortage |
| 2451 | 61 | 2512 | 49.96 | 1400 | 0 | 1400 | 50.02 | 44.07 | 0.07 |

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

| STATE | State's Control Area Generation (Net MU) | | | | | | | TOTAL GENERATION(MU) | Net SCH (Net Mu) | Drawal (Net Mu) | UL (Net Mu) | Availability (Net MU) | Demand Met (Net MU) | Shortage (Net MU) |
|-----------|--|-------|---------------------|------|-------|--------|-------|----------------------|------------------|-----------------|-------------|-----------------------|---------------------|-------------------|
| | THERMA L | HYDRO | GAS/DIESEL/ NAPHTHA | WIND | SOLAR | OTHERS | | | | | | | | |
| ARUNACHAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.97 | 2.02 | 0.05 | 1.97 | 2.02 | 0.05 | |
| ASSAM | 0 | 0.93 | 2.92 | 0 | 0.02 | 0 | 3.9 | 20.31 | 21.85 | 1.54 | 24.31 | 25.75 | 0.86 | |
| MANIPUR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.29 | 2.44 | 0.15 | 2.29 | 2.44 | 0.01 | |
| MEGHALAYA | 0.38 | 2.47 | 0 | 0 | 0 | 0 | 2.85 | 2.66 | 2.24 | -0.12 | 2.25 | 2.4 | 0 | |
| MIZORAM | 0 | 0.31 | 0 | 0 | 0 | 0 | 0.31 | 1.03 | 1.25 | 0.22 | 1.34 | 1.56 | 0.02 | |
| NAGALAND | 0 | 0.32 | 0 | 0 | 0 | 0 | 0.32 | 1.71 | 1.75 | 0.04 | 2.03 | 2.07 | 0.02 | |
| TRIPURA | 0 | 0.13 | 4.05 | 0 | 0.01 | 0 | 4.19 | 2.31 | 2.95 | 0.64 | 6.49 | 4.83 | 0 | |
| Region | 0.38 | 4.16 | 7 | 0 | 0.03 | 0 | 11.57 | 32.28 | 34.8 | 2.52 | 43.84 | 44.07 | 0.07 | |

2(B)State's Demand Met in MWs and day energy forecast and deviation particulars

| State | Evening Peak (19:00) MW | | | Off-Peak (03:00) MW | | | Day Energy(Net MU) | |
|-----------|-------------------------|----------|-----------------------------|---------------------|----------|-------------------------|-----------------------|--|
| | Demand Met | Shortage | Requirement at Evening peak | Demand Met | Shortage | Requirement at Off-Peak | ForeCast (LGBR) (mus) | Deviation(Forecast(LGBR) -Consumption) (mus) |
| ARUNACHAL | 100 | 2 | 102 | 62 | 0 | 62 | 2.08 | 0.06 |
| ASSAM | 1516 | 23 | 1569 | 870 | 0 | 870 | 28.15 | 0.4 |
| MANIPUR | 138 | 2 | 140 | 63 | 0 | 63 | 2.41 | -0.03 |
| MEGHALAYA | 291 | 0 | 291 | 188 | 0 | 188 | 5.64 | 0.24 |
| MIZORAM | 81 | 1 | 82 | 40 | 0 | 40 | 1.27 | -0.29 |
| NAGALAND | 106 | 2 | 108 | 59 | 0 | 59 | 2.04 | -0.03 |
| TRIPURA | 219 | 1 | 220 | 118 | 0 | 118 | 4.03 | -0.81 |
| Region | 2451 | 61 | 2512 | 1400 | 0 | 1400 | 43.62 | -0.46 |

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 during at maximum demand | Requirement at the max demand met of the day | Demand Met at maximum requirement | Time | Shortage during at maximum Requirement | Maximum Requirement of the day |
| ARUNACHAL | 120 | 17:58 | 2 | 122 | 120 | 17:58 | 2 | 122 |
| ASSAM | 1550 | 18:14 | 33 | 1583 | 1550 | 18:14 | 33 | 1583 |
| MANIPUR | 175 | 17:23 | 3 | 178 | 175 | 17:23 | 3 | 178 |
| MEGHALAYA | 303 | 18:07 | 0 | 303 | 303 | 18:07 | 0 | 303 |
| MIZORAM | 87 | 17:16 | 1 | 88 | 87 | 17:16 | 1 | 88 |
| NAGALAND | 117 | 17:38 | 2 | 119 | 117 | 17:38 | 2 | 119 |
| TRIPURA | 238 | 17:27 | 2 | 240 | 238 | 17:27 | 2 | 240 |
| Region | 2484 | 18:02 | 42 | 2526 | 2484 | 18:02 | 42 | 2526 |

3(A) State Entities Generation:

| ASSAM | | | | | | | |
|--------------------------------|---------------------|---------------|-------------------|-------------------|----------|-----------------|------------|
| Station/Constituents | Inst. Capacity (MW) | 19:00 Peak MW | 03:00 Off Peak MW | Day Peak (MW) Hrs | | Day Energy (MU) | AVG. MW |
| Adamilla | 9 | 0 | 0 | 0 | 0 | - | - |
| Baskandi | 16 | 0 | 0 | 0 | 0 | - | - |
| Total THERMAL | 25 | 0 | 0 | - | - | 0 | 0 |
| KLHEP | 100 | 100 | 43 | 100 | 19:00 | 0.92 | 38 |
| Mini Hydro | 7 | 2 | 2 | 2 | 03:00 | 0.01 | 0 |
| Total HYDEL | 107 | 102 | 45 | - | - | 0.93 | 38 |
| LRPP | 70 | 51 | 59 | 59 | 03:00 | 1.28 | 53 |
| LTPS | 97 | 44 | 50 | 50 | 01:00 | 1.04 | 43 |
| NTPS | 100 | 28 | 42 | 43 | 01:00 | 0.62 | 26 |
| Total GAS/NAPTHA/DIESEL | 267 | 123 | 151 | - | - | 2.94 | 122 |
| SOLAR | 5 | 0 | 0 | 1 | 08:00 | 0.02 | 1 |
| Total ASSAM | 404 | 225 | 196 | - | - | 3.89 | 161 |

| MEGHALAYA | | | | | | | |
|------------------------|---------------------|---------------|-------------------|-------------------|----------|-----------------|------------|
| Station/Constituents | Inst. Capacity (MW) | 19:00 Peak MW | 03:00 Off Peak MW | Day Peak (MW) Hrs | | Day Energy (MU) | AVG. MW |
| Private_Generators | 105 | 20 | 13 | 21 | 20:00 | 0.38 | 16 |
| Total THERMAL | 105 | 20 | 13 | - | - | 0.38 | 16 |
| Myndru Lesika | 126 | 35 | 0 | 42 | 18:00 | 0.27 | 11 |
| New Umtru | 40 | 18 | 21 | 36 | 05:00 | 0.52 | 22 |
| Sonapani | 2 | 1 | 1 | 1 | 15:00 | 0.03 | 1 |
| Umiam St I | 36 | 27 | 16 | 27 | 16:00 | 0.42 | 18 |
| Umiam St II | 20 | 14 | 8 | 16 | 10:00 | 0.21 | 9 |
| Umiam St III | 60 | 24 | 0 | 28 | 16:00 | 0.51 | 21 |
| Umiam St IV | 60 | 48 | 0 | 54 | 18:00 | 0.53 | 22 |
| Umtru | 11 | 0 | 0 | 0 | 0 | - | - |
| Total HYDEL | 355 | 167 | 46 | - | - | 2.49 | 104 |
| Total MEGHALAYA | 460 | 187 | 59 | - | - | 2.87 | 120 |

| MIZORAM | | | | | | | |
|----------------------|---------------------|---------------|-------------------|-------------------|----------|-----------------|-----------|
| Station/Constituents | Inst. Capacity (MW) | 19:00 Peak MW | 03:00 Off Peak MW | Day Peak (MW) Hrs | | Day Energy (MU) | AVG. MW |
| Bairabi | 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| Serlui-B | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tuirial | 60 | 30 | 0 | 30 | 18:00 | 0.31 | 13 |
| Total HYDEL | 113 | 30 | 0 | - | - | 0.31 | 13 |
| Total MIZORAM | 113 | 30 | 0 | - | - | 0.31 | 13 |

| NAGALAND | | | | | | | |
|-----------------------|---------------------|---------------|-------------------|-------------------|----------|-----------------|-----------|
| Station/Constituents | Inst. Capacity (MW) | 19:00 Peak MW | 03:00 Off Peak MW | Day Peak (MW) Hrs | | Day Energy (MU) | AVG. MW |
| Likimro | 24 | 16 | 8 | 16 | 19:00 | 0.32 | 13 |
| Total HYDEL | 24 | 16 | 8 | - | - | 0.32 | 13 |
| Total NAGALAND | 24 | 16 | 8 | - | - | 0.32 | 13 |

| TRIPURA | | | | | | | |
|--------------------------------|---------------------|---------------|-------------------|-------------------|----------|-----------------|------------|
| Station/Constituents | Inst. Capacity (MW) | 19:00 Peak MW | 03:00 Off Peak MW | Day Peak (MW) Hrs | | Day Energy (MU) | AVG. MW |
| Gumli | 15 | 5 | 5 | 5 | 03:00 | 0.13 | 5 |
| Total HYDEL | 15 | 5 | 5 | - | - | 0.13 | 5 |
| Baramura | 59 | 21 | 21 | 21 | 19:00 | 0.49 | 20 |
| Monarchak (Thermal) | 101 | 90 | 95 | 95 | 03:00 | 2.24 | 93 |
| Rokhia | 111 | 56 | 56 | 56 | 03:00 | 1.32 | 55 |
| Total GAS/NAPTHA/DIESEL | 271 | 167 | 172 | - | - | 4.05 | 168 |
| SOLAR | 5 | 0 | 0 | 0 | 01:00 | 0.01 | 0 |
| Total TRIPURA | 291 | 172 | 177 | - | - | 4.19 | 173 |

3(B) Regional Entities Generation

| Station/Constituents | Inst. Capacity | 19:00 | 03:00 | Day Peak | | Day Energy | AVG | Schedule | UI |
|----------------------|----------------|-------------|-------------|-------------|----------|--------------|-------------|--------------|-------------|
| | (MW) | Peak MW | Off Peak MW | (MW) | Hrs | (MU) | (MW) | (Mu) | (MU) |
| NEEPCO | | | | | | | | | |
| AGBPP | 291 | 184 | 184 | 185 | 01:00 | 4.42 | 184 | 4.26 | 0.16 |
| AGTCCPP | 135 | 94 | 94 | 94 | 01:00 | 2.17 | 90 | 2.12 | 0.05 |
| Doyang | 75 | 42 | 0 | 42 | 01:00 | 0.18 | 8 | 0.16 | 0.02 |
| Khandong | 50 | 18 | 0 | 49 | 07:00 | 0.49 | 20 | 0.46 | 0.03 |
| Kopili | 200 | 187 | 188 | 188 | 01:00 | 4.57 | 190 | 4.5 | 0.07 |
| Kopili-2 | 25 | 25 | 0 | 25 | 18:00 | 0.08 | 3 | 0.07 | 0.01 |
| Pare | 110 | 110 | 0 | 110 | 20:00 | 0.63 | 26 | 0.64 | -0.01 |
| Ranganadi | 405 | 401 | 0 | 401 | 19:00 | 2.05 | 85 | 2.03 | 0.02 |
| Sub-Total | 1291 | 1061 | 466 | 1094 | 0 | 14.59 | 606 | 14.24 | 0.55 |
| NHPC | | | | | | | | | |
| Loktak | 105 | 105 | 0 | 105 | 01:00 | 1.15 | 48 | 1.1 | 0.05 |
| Sub-Total | 105 | 105 | 0 | 105 | 0 | 1.15 | 48 | 1.1 | 0.05 |
| NTPC | | | | | | | | | |
| BGTTP | 500 | 379 | 385 | 530 | 18:00 | 10.52 | 438 | 10.13 | 0.39 |
| Sub-Total | 500 | 379 | 385 | 530 | 0 | 10.52 | 438 | 10.13 | 0.39 |
| OTPLCL | | | | | | | | | |
| Palatana | 727 | 587 | 613 | 613 | 03:00 | 14.48 | 603 | 13.73 | 0.75 |
| Sub-Total | 727 | 587 | 613 | 613 | 0 | 14.48 | 603 | 13.73 | 0.75 |
| Total | 2623 | 2132 | 1464 | 1464 | 0 | 40.74 | 1695 | 39.2 | 1.54 |

| Station/Constituents | Inst. Capacity (MW) | Peak MW | Off Peak MW | Day Peak (MW) | Hrs | Day Energy (MU) | AVG MW |
|----------------------------|---------------------|---------|-------------|---------------|-------|-----------------|--------|
| Total ISGS and IPP Thermal | 500 | 379 | 385 | 530 | 18:00 | 10.52 | 438 |
| Total State Thermal | 130 | 20 | 13 | 13 | | 0.38 | 16 |
| Total ISGS and IPP Gas | 1153 | 865 | 891 | 891 | | 21.07 | 877 |
| Total State Gas | 538 | 290 | 323 | 323 | | 6.99 | 290 |
| Total ISGS and IPP Hydro | 970 | 888 | 188 | 188 | | 9.15 | 380 |
| Total State Hydro | 614 | 320 | 104 | 104 | | 4.18 | 173 |
| Total Solar Generation | 10 | 0 | 0 | 0 | | 0.03 | 1 |

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 |
|--|-----------------------------------|---------------------|---------|-------------|---------------|--------------------------|-------------|--------------|--------------|-----|
| | | Inst. Capacity (MW) | Peak MW | Off Peak MW | Day Peak (MW) | Import (MW) | Export (MW) | | | |
| Import/Export between BHUTAN and NORTH EAST REGION | | | | | | | | | | |
| 1 | 132KV-RANGIT-MOTONGA | 25 | 25 | 27 | 27 | 0 | 0.53 | - | 0.53 | |
| 2 | 132KV-SALAKATI-GELEPHU | 4 | 11 | 12 | 12 | 7 | 0.06 | - | 0.06 | |
| 3 | Sub-Total BHUTAN | 18 | 33 | 39 | 39 | 7 | 0.59 | 0 | 0.59 | |
| Import/Export between EAST REGION and NORTH EAST REGION | | | | | | | | | | |
| 1 | 220KV-SALAKATI-ALIPURDUAR-1 | 43 | 18 | 40 | 40 | 10 | 0.49 | - | 0.49 | |
| 2 | 220KV-SALAKATI-ALIPURDUAR-2 | 33 | 18 | 40 | 40 | 10 | 0.49 | - | 0.49 | |
| 3 | 400KV-BONGAIGAON-ALIPURDUAR-1 | 66 | 28 | 96 | 94 | 24 | 0.84 | - | 0.84 | |
| 4 | 400KV-BONGAIGAON-ALIPURDUAR-2 | 65 | 28 | 98 | 93 | 24 | 0.84 | - | 0.84 | |
| 5 | 400KV-BONGAIGAON-NEW SILIGURI-1 | 116 | 75 | 144 | 60 | 191 | 1.91 | - | 1.91 | |
| 6 | 400KV-BONGAIGAON-NEW SILIGURI-2 | 116 | 75 | 143 | 59 | 19 | 1.9 | - | 1.9 | |
| | Sub-Total EAST REGION | 428 | 242 | 561 | 326 | 6.47 | 6.47 | 0 | 6.47 | |
| Import/Export between NORTH REGION and NORTH EAST REGION | | | | | | | | | | |
| 1 | HVDC800KV-BISWANATH-CHARAIYALAGRA | -802 | -650 | 0 | 652 | - | 12.05 | - | -12.05 | |
| | Sub-Total NORTH REGION | -802 | -650 | 0 | 652 | 0 | 12.05 | - | -12.05 | |
| | TOTAL IR EXCHANGE | -56 | -375 | 600 | 985 | 7.06 | 12.05 | - | -4.99 | |

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 |
|--------------|----------|--------|---------------|-------------|-------------------|-----------------|-----------|
| | Import | Export | | | | | |
| NER-ER | 3.24 | -0.71 | -7.07 | -4.54 | -4.99 | -0.45 | |
| Total | 3.24 | -0.71 | -7.07 | -4.54 | -4.99 | -0.45 | |

4(C) Inter-National Exchanges with Bangladesh (Import=(+ve)/Export=(-ve)) (Linkwise)

| Sl.No. | Element | 19:00 | | 03:00 | | Maximum Interchange (MW) | | Import in MU | Export in MU | NET |
|--------|-----------------------|---------------------|---------|-------------|---------------|--------------------------|-------------|--------------|--------------|-----|
| | | Inst. Capacity (MW) | Peak MW | Off Peak MW | Day Peak (MW) | Import (MW) | Export (MW) | | | |
| 1 | 132KV-SURAJMANI NAGAR | 64 | 40 | 0 | 64 | 0 | 1.15 | - | -1.15 | |
| 2 | 132KV-SURAJMANI NAGAR | 64 | 40 | 0 | 64 | 0 | 1.15 | - | -1.15 | |
| | TOTAL INT. EXCHANGE | 129 | 80 | 0 | 129 | 0 | 2.3 | - | -2.3 | |

5. Frequency Profile

| RANGE(Hz) | < 48.8 | < 49 | < 49.2 | < 49.5 | < 49.7 | < 49.9 | >= 49.9 - <= 50.05 | > 50 |
|-----------|--------|------|--------|--------|--------|--------|--------------------|------|
| % | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| Frequency | Time | Frequency | Time | Average | Freq Variation | Standard Deviation | Max | Min |
|-----------|----------|-----------|----------|---------|----------------|--------------------|-------|-------|
| 50.12 | 06:02:00 | 49.74 | 19:22:40 | 49.96 | 0.051 | 0.056 | 50.07 | 49.83 |

6. Voltage Profile: 132kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|----------------------|---------|-------|---------|-------|----------------|-------|-------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 110 | < 120 | > 135 | > 145 |
| KUMARGHAT - 132KV | 133 | 04:00 | 128 | 14:12 | 0 | 0 | 0 | 0 |
| AIZAWAL - 132KV | 138 | 04:33 | 124 | 17:11 | 0 | 0 | 29.13 | 0 |
| KHELLEHRIAT - 132KV | 135 | 23:58 | 130 | 17:31 | 0 | 0 | 1.08 | 0 |
| JIRIBAM (PG) - 132KV | 134 | 00:00 | 129 | 17:09 | 0 | 0 | 0 | 0 |
| IMPHAL (PG) - 132KV | 135 | 00:00 | 128 | 06:50 | 0 | 0 | 0 | 0 |
| HAIFONG - 132KV | 139 | 22:56 | 131 | 17:06 | 0 | 0 | 0.03 | 0 |
| BADAKPUR - 132KV | 136 | 00:00 | 131 | 17:34 | 0 | 0 | 33.23 | 0 |
| SHIBHUL - 132KV | 139 | 22:46 | 130 | 17:06 | 0 | 0 | 0.03 | 0 |
| KAHLEPARA - 132KV | 140 | 03:56 | 129 | 11:27 | 0 | 0 | 53.28 | 0 |

6. Voltage Profile: 220kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|-----------------------|---------|-------|---------|-------|----------------|-------|-------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 198 | < 210 | > 235 | > 245 |
| SALAKATTI - 220KV | 230 | 03:59 | 219 | 11:28 | 0 | 0 | 0 | 0 |
| DIRMAIUR (PG) - 220KV | 230 | 23:51 | 219 | 17:12 | 0 | 0 | 0 | 0 |
| MAKIANI (PG) - 220KV | 232 | 03:59 | 214 | 09:10 | 0.3 | 0.3 | 23.61 | 0 |
| MISA - 220KV | 223 | 22:17 | 215 | 10:18 | 0 | 0 | 0 | 0 |

6. Voltage Profile: 400kV

| STATION | Maximum | | Minimum | | Voltage (in %) | | | |
|----------------------------|---------|-------|---------|-------|----------------|-------|-------|-------|
| | VOLTAGE | TIME | VOLTAGE | TIME | < 380 | < 390 | > 420 | > 430 |
| SILCHAR - 400KV | 418 | 23:12 | 406 | 17:20 | 0 | 0 | 0 | 0 |
| PALTAN - 400KV | 415 | 22:28 | 410 | 10:54 | 0 | 0 | 0 | 0 |
| BYRNHAT (KILLING) - 400KV | 415 | 22:46 | 400 | 17:35 | 0 | 0 | 0 | 0 |
| MISA - 400KV | 422 | 21:01 | 400 | 10:11 | 0 | 0 | 2.67 | 0 |
| AIZAWAL - 400KV | 410 | 04:01 | 402 | 11:34 | 0 | 0 | 0 | 0 |
| RANGANADI - 400KV | 415 | 23:30 | 400 | 17:12 | 0 | 0 | 0 | 0 |
| BALPARA - 400KV | 419 | 23:30 | 393 | 10:23 | 0 | 0 | 0 | 0 |
| BISWANATH CHARIALI - 400KV | 421 | 11:57 | 390 | 11:27 | 0 | 0 | 0.7 | 21 |
| BONGAIGAON - 400KV | 411 | 03:05 | 394 | 11:27 | 0 | 0 | 0 | 0 |

7. Major Reservoir Particulars

| RESERVOIR | DESIGNED | | PRESENT | | LAST YEAR | | LAST DAY | |
|-----------|------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| | MDDL (Mts) | FRL (Mts) | Energy (MU) | Level (Mts) | Energy (MU) | Level (Mts) | Energy (MU) | Level (Mts) |
| Doyang | 306 | 333 | 227 | 315.65 | 15 | 323.25 | 34 | 315.6 |
| Gumti | 83.6 | 93.55 | 88 | 92.3 | 25 | 93.6 | 31 | 92.35 |
| Khandong | 704.26 | 719.3 | 278 | 716.65 | 20 | 724.1 | 39 | 716.75 |
| Kopli | 592.8 | 609.6 | 1186 | 606.67 | 78 | 609.33 | 98 | 606.9 |
| Loktak | 766.2 | 768.5 | 448 | 768.23 | 179 | 769.16 | 250 | 769.15 |
| Pare | 240 | 245.15 | 506 | 242.75 | - | 0 | - | 242 |
| Ranganadi | 560 | 567 | 1507 | 565 | - | 564.87 | - | 564.98 |
| Umiam | 960.12 | 981.43 | 116 | 975.53 | 29 | 978.44 | 39 | 975.63 |
| TOTAL | - | - | 4356 | - | 326 | - | 491 | 418 |

8. Synchronisation of new generating units :

| SL.NO | Station Name | Owner | Inst. Capacity (MW) | Date | Time |
|-------|--------------|-------|----------------------|------|------|
|-------|--------------|-------|----------------------|------|------|

9. Synchronisation of new 220 / 400 / 132 KV Transmission elements and energising of bus /substation :

| SL.NO | Station Name | Owner | Inst. Capacity (MW) | Date | Time |
|-------|--------------|-------|----------------------|------|------|
|-------|--------------|-------|----------------------|------|------|

10. Significant events (If any):

11. System Constraints (If any)

12. Weather Condition:

Shift In Charge