# DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

## PROGRESS REPORT

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APRIL - 2019

# 1 SALIENT FEATURES OF DELHI POWER SYSTEM

| Sr. No. | Features | APR. 2018 | APR. 2019 |
|---|---|---|---|
| 1 | **Effective Generation Capacity within Delhi in MW** | | |
| | Rajghat Power House | 135 | 135 |
| | Gas Turbine | 270 | 270 |
| | Pragati Power Corporation Ltd. | 330 | 330 |
| | Badapur Thermal Power Station | 705 | 0 |
| | Rithala GT | 108 | 0 |
| | Bawana | 1372 | 1372 |
| | TOWMCL (Waste to Energy plant) | 16 | 16 |
| | EDWPCL (Waste to Energy plant) | 10 | 10 |
| | MSW BAWANA (Waste to Energy plant) | 24 | 24 |
| | Total | 2970 | 2157 |
| **2** | **Maximum Unrestricted Demand (MW)** | **5200** | **5664** |
| | Date | 27.04.18 | 30.04.19 |
| | Time | 15.34.54 | 23.03.05 |
| **3** | **Peak Demand met (MW)** | **5200** | **5664** |
| | Date | 27.04.18 | 30.04.19 |
| | Time | 15.34.54 | 23.03.05 |
| 4 | Peak Availability (MW) | 5067 | 5606 |
| 5 | Shortage (-) / Surplus (+) in MW | (-) 133 | (-) 58 |
| 6 | Percentage Shortage (-) / Surplus (+) | (-) 2.56 | (-) 1.02 |
| 7 | Maximum Energy Consume in a day (Mus) | 104.080 | 113.268 |
| 8 | Energy Consumed during the month | **2633.927** | **2697.711** |
| **9** | **Load Shedding in Mus** | | |
| A) | Due to Grid Restrictions | | |
| i) | Under Frequency Relay Operations | 0.000 | 0.000 |
| ii) | Manual Load shedding from DTL S/Stns. | 0.000 | 0.004 |
| iii) | Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation | | |
| | NDPL | 0.000 | 0.000 |
| | BRPL | 0.000 | 0.000 |
| | BYPL | 0.000 | 0.000 |
| | NDMC | 0.000 | 0.000 |
| | MES | 0.000 | 0.000 |
| iv) | Due to transmission Constraints in Central Sector | 0.000 | 0.000 |
| | **Total due to Grid Restriction** | **0.000** | **0.000** |
| B) | Due to Constraints in System in Mus | | |
| | DTL | 0.650 | 0.277 |
| | NDPL | 0.080 | 0.080 |
| | BRPL | 0.661 | 0.390 |
| | BYPL | 0.051 | 0.034 |
| | NDMC | 0.000 | 0.000 |
| | MES | 0.000 | 0.000 |
| | Other Agencies | 0.012 | 0.020 |
| | **Total** | **1.455** | **0.801** |
| **11** | **Grand Total in Mus** | **1.455** | **0.805** |

## 2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2019

### A) For the month of April 2019

**All Figures in MUs**

| S. No | Stations | Gross Generation | Aux. Consumption | Net Generation | Availability (%) | Backing Down |
|---|---|---|---|---|---|---|
| **1.** | **RPH** | 0.000 | 0.159 | -0.159 | 0 | 0 |
| **2.** | **GT** | 39.775 | 1.568 | 38.207 | 84.50 | 121.371 |
| **3.** | **PPCL** | 112.133 | 2.666 | 109.467 | 93.16 | 105.380 |
| **4.** | **BTPS** | 0.000 | 0.546 | -0.546 | 0.00 | 0.000 |
| **5.** | **Rithala** | 0.000 | 0.000 | 0.000 | 0.00 | 0.000 |
| **6.** | **Bawana** | 302.739 | 11.677 | 291.062 | 73.50 | 416.262 |
| **7.** | **Towmcl** | 14.810 | 2.033 | 12.777 | -- | -- |
| **8.** | **EDWPCL** | 5.598 | 1.088 | 4.510 | -- | -- |
| **9.** | **DMSWL** | 12.177 | 2.180 | 9.997 | -- | -- |
| | **TOTAL** | **487.232** | **21.917** | **465.315** | -- | **643.013** |

### B) For the Year 2019-20 (Upto April 2019)

| Power Station | Effective Capacity (MW) | Net Generation in MUs for Apr. 2019 | Availability (%) for Apr. 2019 | PLF (%) for Apr. 2019 | Cumulative Generation in MUs upto Apr. 2019 for the year 2019-20 | Cumulative Availability in % upto Apr. 2019 for the year 2019-20 | Cumulative PLF in % upto Apr. 2019 for the year 2019-20 |
|---|---|---|---|---|---|---|---|
| **RPH** | 135 | -0.159 | 0 | 0.00 | -0.159 | 0 | 0.00 |
| **GT** | 270 | 38.207 | 84.50 | 20.14 | 38.207 | 84.50 | 20.14 |
| **PPCL** | 330 | 109.467 | 93.16 | 47.44 | 109.467 | 93.16 | 47.44 |
| **BTPS** | 705 | -0.546 | 0.00 | 0.00 | -0.546 | 0.00 | 0.00 |
| **Rithala** | 108 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 |
| **Bawana** | 1372 | 291.062 | 73.50 | 30.16 | 291.062 | 73.50 | 30.16 |
| **Towmcl** | 16 | 12.777 | -- | 128.56 | 12.777 | -- | -- |
| **EDWPCL** | -- | 4.510 | -- | 64.79 | 4.510 | -- | -- |
| **DMSWL** | -- | 9.997 | -- | 70.47 | 9.997 | -- | -- |
| **TOTAL** | 2936 | **465.315** | -- | -- | **465.315** | -- | -- |

## 3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2019

## (A) RPH

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 67.5 | 08.05.15 | 13.40 | Contd. | | Not in operation due to not meeting pollution norms. |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 67.5 | 21.05.15 | 10.20 | Contd. | | Not in operation due to not meeting pollution norms. |

## (B) Gas Turbine

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 30 | NIL | | | | |
| | | | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 30 | NIL | | | | |
| | | | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 3 | 30 | 12.04.19 | 02.25 | 12.04.19 | 04.40 | Machine tripped due to fault occurred in high vibration pick up. |
| | | | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 4 | 30 | Nil | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 5 | 30 | NIL | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 6 | 30 | 30.04.19 | 01.18 | 30.04.19 | 02.05 | Machine tripped due to malfunctioning of IP pack |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG -1 | 30 | 09.04.19 | 08.00 | 31.03.19 | 23.59 | Major overhauling. |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG -2 | 30 | NIL | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG -3 | 30 | 05.04.19 | 01.15 | 05.04.19 | 02.15 | Machine triped on durm level very high. |

## (C) PRAGATI

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 104 | 01.04.19 | 00.00 | 05.04.19 | 08.04 | Stopped due to low demand and high frequency |
| | | 24.04.19 | 00.00 | 25.04.19 | 00.14 | |
| | | 25.04.19 | 00.47 | 30.04.19 | 23.59 | Not scheduled due to available in Open cycle. |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 104 | 05.04.19 | 17.03 | 22.04.19 | 21.19 | Stopped due to low demand and high frequency |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG | 122 | 01.04.19 | 00.00 | 01.04.19 | 08.15 | Unit stopped for MI |
| | | 14.04.19 | 16.50 | 15.04.19 | 04.45 | Attending governing system. |

## (D) BAWANA CCGT POWER STATION

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 216 | | | | | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 216 | NIL | | | | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG-1 | 254 | | | | | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 3 | 216 | 29.04.19 | 20.18 | 29.04.19 | 21.37 | Malfunctioning of compressor bleed valve brought machine on FSNL. |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 4 | 216 | 01.04.19 | 00.00 | 04.04.19 | 13.00 | Unit kept out due to leakage of pressure. |
| | | | | | | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG-2 | 254 | 01.04.19 | 00.00 | 04.04.19 | 13.00 | Replacement of R phase bushing of STGT Transformer. |
| | | 04.04.19 | 13.00 | 08.04.19 | 20.00 | |

# 4 ALLOCATION OF POWER TO DELHI

## A) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 25.02.2019

| Name of the Stn | Installed capacity | Total Un-allocated | Basic Allocation | Basic Allocation at periphery | Allocation out of Unallocated Quota | Allocation out of Un-allocation Quota at Delhi periphery | Total allocation at Delhi periphery |
|---|---|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **(8)=(5)+(7)** |
| **NTPC STATIONS** | | | | | | | |
| Singrauli STPS | 2000 | 300 | 150 | 134 | 0 | 0 | 134 |
| Rihand-I | 1000 | 150 | 100 | 89 | 0 | 0 | 89 |
| Rihand Stage -II | 1000 | 150 | 126 | 115 | 0 | 0 | 115 |
| Rihand Stage -III | 1000 | 150 | 132 | 120 | 0 | 0 | 120 |
| ANTA GPS | 419 | 63 | 44 | 41 | 0 | 0 | 41 |
| Auriya GPS | 663.36 | 99 | 72 | 68 | 0 | 0 | 68 |
| Dadri GPS | 829.78 | 129 | 91 | 86 | 0 | 0 | 86 |
| Dadri NCTPS (Th) | 840 | 0 | 756 | 668 | 0 | 0 | 668 |
| Dadri NCTPS (Th) Stage-II | 980 | 147 | 728 | 665 | 0 | 0 | 665 |
| Unchahaar-I TPS | 420 | 20 | 24 | 21 | 0 | 0 | 21 |
| Unchahaar-II TPS | 420 | 63 | 47 | 41 | 0 | 0 | 41 |
| Unchahaar-III TPS | 210 | 31 | 29 | 25 | 0 | 0 | 25 |
| Unchahaar-IV TPS | 500 | 75 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | **10282** | **1377** | **2298** | **2073** | **0** | **0** | **2073** |
| **NHPC** | | | | | | | |
| Baira Suil HPS | 180 | 0 | 20 | 19 | 0 | 0 | 19 |
| Salal HPS | 690 | 0 | 80 | 77 | 0 | 0 | 77 |
| Tanakpur HEP | 94 | 0 | 12 | 12 | 0 | 0 | 12 |
| Chamera HEP | 540 | 0 | 43 | 41 | 0 | 0 | 41 |
| Chamera-II HEP | 300 | 54 | 40 | 38 | 0 | 0 | 38 |
| Chamera-III HEP | 231 | 35 | 29 | 28 | 0 | 0 | 28 |
| URI-I HEP | 480 | 0 | 53 | 51 | 0 | 0 | 51 |
| URI-II HEP | 240 | 0 | 32 | 31 | 0 | 0 | 31 |
| Sewa HEP | 120 | 18 | 16 | 15 | 0 | 0 | 15 |
| Dhauli Ganga HEP | 280 | 42 | 37 | 35 | 0 | 0 | 35 |
| Dulhasti HEP | 390 | 58 | 50 | 48 | 0 | 0 | 48 |
| Parbati-III HEP | 520 | 66 | 66 | 63 | 0 | 0 | 63 |
| Singrauli small hydro | 8 | 0 | 1.53 | 1 | 0 | 0 | 1 |
| **TOTAL** | **4073** | **272** | **480** | **458** | **0** | **0** | **458** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 40 | 0 | 0 | 40 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 0 | 0 | 49 |
| **TOTAL** | **880** | **128** | **103** | **88** | **0** | **0** | **88** |
| **SJVNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 135 | 0 | 0 | 135 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 63 | 60 | 0 | 0 | 60 |
| Koteshwar HEP | 400 | 40 | 39 | 38 | 0 | 0 | 38 |
| **TOTAL** | **1400** | **139** | **102** | **98** | **0** | **0** | **98** |
| **Total** | **18135** | **2065** | **3126** | **2852** | **0** | **0** | **2852** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 20 | 0 | 0 | 20 |
| Kahalgaon | 840 | 0 | 51 | 45 | 0 | 0 | 45 |
| Tala HEP | 1020 | 153 | 30 | 29 | 0 | 0 | 29 |
| Kahalgaon-II | 1500 | 0 | 157 | 139 | 0 | 0 | 139 |
| **Total ER** | **4960** | **153** | **261** | **232** | **0** | **0** | **232** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 1500 | 114 | 693 | 634 | 0 | 0 | 634 |
| Ultra Mega Projects | | | | | | | |
| Sasan | 3960 | 0 | 446 | 404 | 0 | 0 | 404 |
| **Grand Total** | **28555** | **2332** | **4525** | **4122** | **0** | **0** | **4122** |

## 5 ALLOCATION OF POWER TO DISCOMS

**A)** ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 06.08.2013.

**(Allocation In % )**

**(A) 10.00hrs. to 17.00hrs.**

| SOURCES | LICENSEES | | | | | |
|---|---|---|---|---|---|---|
| | NDMC | MES | NDPL | BRPL | BYPL | TOTAL |
| 1. Central Sector without Dadri (Th) | 0 | 0 | 29.18 | 43.58 | 27.24 | 100.00 |
| 2. Dadri (Th) | 16.63 | 0 | 24.22 | 36.86 | 22.39 | 100.00 |
| 3. BTPS | 17.73 | 7.09 | 21.81 | 33.2 | 20.17 | 100.00 |
| 4. RPH | 0 | 0 | 29.025 | 44.133 | 26.842 | 100.00 |
| 5. GT | 0 | 0 | 29.02 | 44.16 | 26.82 | 100.00 |
| 6. Pragati | 30.3 | 0 | 20.22 | 30.78 | 18.7 | 100.00 |
| 7. DVC | 0 | 0 | 29.18 | 43.58 | 27.24 | 100.00 |
| 8. BAWANA CCGT* | 7.30 | 1.82 | 20.688 | 30.888 | 19.304 | 80.00 |

**(B) 00.00hrs. to 10.00hrs. and 17.00hrs. to 24.00hrs.**

| SOURCES | LICENSEES | | | | | |
|---|---|---|---|---|---|---|
| | NDMC | MES | NDPL | BRPL | BYPL | TOTAL |
| 1. Central Sector without Dadri (Th) | 0 | 0 | 29.18 | 43.58 | 27.24 | 100.00 |
| 2. Dadri (Th) | 16.53 | 0 | 24.22 | 36.86 | 22.39 | 100.00 |
| 3. BTPS | 17.73 | 7.09 | 21.81 | 33.2 | 20.17 | 100.00 |
| 4. RPH | 0 | 0 | 29.025 | 44.133 | 26.842 | 100.00 |
| 5. GT | 0 | 0 | 29.02 | 44.16 | 26.82 | 100.00 |
| 6. Pragati | 30.3 | 0 | 20.22 | 30.78 | 18.7 | 100.00 |
| 7. DVC | 0 | 0 | 29.18 | 43.58 | 27.24 | 100.00 |
| 8. BAWANA CCGT* | 7.30 | 1.82 | 20.688 | 30.888 | 19.304 | 80.00 |

* 20% POWER OF BAWANA CCGT ALLOCATED TO HARYANA (10%) & PUNJAB (10%)

## 6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING APRIL 2019

| Date | Time of peak demand | | | Generation within Delhi | | | | | | | Import from the Grid | Schedule from the Grid | OD(-) / UD(+) | Demand met | Shedding | Un-Restricted Demand |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RPH | GT | PPCL | Bawana | Townmcl | East Delhi | DMSWL | BTPS | Total | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (7) | (8) | | | | (9)= (3) to (8) | (10) | (11) | (12)= (11) - (10) | (13)= (11)+ (12) | (14) | (15)= (13)+ (14) |
| 1 | 12.04.35 | 0 | 39 | 142 | -4 | 19 | 7 | 10 | 0 | 213 | 3352 | 3160 | 192 | 3565 | 0 | 3565 |
| 2 | 19.26.49 | 0 | 40 | 140 | 411 | 19 | 8 | 7 | 0 | 625 | 3037 | 2983 | 54 | 3662 | 0 | 3662 |
| 3 | 10.59.49 | 0 | 38 | 148 | 436 | 15 | 10 | 14 | 0 | 661 | 3101 | 3133 | -32 | 3762 | 0 | 3762 |
| 4 | 15.23.58 | 0 | 36 | 141 | 431 | 16 | 5 | 13 | 0 | 642 | 3444 | 3370 | 74 | 4086 | 0 | 4086 |
| 5 | 15.57.59 | 0 | 26 | 291 | 436 | 15 | 7 | 8 | 0 | 783 | 3472 | 3424 | 48 | 4255 | 2 | 4257 |
| 6 | 19.10.19 | 0 | 28 | 141 | 442 | 17 | 5 | 11 | 0 | 644 | 3305 | 3223 | 82 | 3949 | 0 | 3949 |
| 7 | 14.49.11 | 0 | 27 | 136 | 441 | 18 | 10 | 13 | 0 | 645 | 3306 | 3218 | 88 | 3951 | 0 | 3951 |
| 8 | 14.50.37 | 0 | 39 | 141 | 521 | 12 | 5 | 15 | 0 | 733 | 3496 | 3450 | 46 | 4229 | 0 | 4229 |
| 9 | 15.51.26 | 0 | 38 | 139 | 495 | 16 | 6 | 16 | 0 | 710 | 3557 | 3529 | 28 | 4267 | 0 | 4267 |
| 10 | 16.19.49 | 0 | 36 | 138 | 426 | 17 | 9 | 14 | 0 | 640 | 3762 | 3627 | 135 | 4402 | 0 | 4402 |
| 11 | 15.25.20 | 0 | 36 | 138 | 421 | 21 | 6 | 15 | 0 | 637 | 4024 | 4001 | 23 | 4661 | 0 | 4661 |
| 12 | 15.24.07 | 0 | 129 | 140 | 462 | 16 | 4 | 15 | 0 | 766 | 3816 | 3781 | 35 | 4582 | 0 | 4582 |
| 13 | 15.45.41 | 0 | 76 | 141 | 415 | 16 | -1 | 15 | 0 | 662 | 3517 | 3622 | -105 | 4179 | 0 | 4179 |
| 14 | 15.30.00 | 0 | 78 | 81 | 421 | 17 | -1 | 16 | 0 | 612 | 3567 | 3424 | 143 | 4179 | 0 | 4179 |
| 15 | 15.37.57 | 0 | 74 | 135 | 423 | 16 | -1 | 14 | 0 | 661 | 4037 | 4008 | 29 | 4698 | 0 | 4698 |
| 16 | 00.02.51 | 0 | 64 | 141 | 500 | 10 | 9 | 16 | 0 | 740 | 3775 | 3753 | 22 | 4515 | 0 | 4515 |
| 17 | 11.05.07 | 0 | 41 | 143 | 411 | 19 | 5 | 17 | 0 | 636 | 3072 | 3154 | -82 | 3708 | 0 | 3708 |
| 18 | 19.20.47 | 0 | 40 | 146 | 229 | 18 | 5 | 15 | 0 | 453 | 3257 | 3212 | 45 | 3710 | 69 | 3779 |
| 19 | 19.10.39 | 0 | 38 | 145 | 233 | 19 | 5 | 16 | 0 | 456 | 3251 | 3173 | 78 | 3707 | 0 | 3707 |
| 20 | 11.39.29 | 0 | 39 | 144 | 432 | 18 | 9 | 18 | 0 | 660 | 3068 | 3077 | -9 | 3728 | 0 | 3728 |
| 21 | 23.11.56 | 0 | 40 | 143 | 461 | 18 | -1 | 17 | 0 | 678 | 3202 | 3115 | 87 | 3880 | 0 | 3880 |
| 22 | 15.30.44 | 0 | 37 | 137 | 480 | 18 | 5 | 18 | 0 | 695 | 3893 | 3828 | 65 | 4588 | 0 | 4588 |
| 23 | 15.30.19 | 0 | 39 | 259 | 476 | 17 | 7 | 7 | 0 | 805 | 4125 | 3991 | 134 | 4930 | 0 | 4930 |
| 24 | 22.59.29 | 0 | 78 | 147 | 529 | 19 | 4 | 4 | 0 | 781 | 4482 | 4286 | 196 | 5263 | 0 | 5263 |
| 25 | 15.15.27 | 0 | 100 | 142 | 546 | 14 | 8 | 6 | 0 | 816 | 4736 | 4734 | 2 | 5552 | 76 | 5628 |
| 26 | 15.51.40 | 0 | 129 | 139 | 423 | 16 | 9 | 7 | 0 | 723 | 4592 | 4575 | 17 | 5315 | 0 | 5315 |
| 27 | 00.00.12 | 0 | 79 | 146 | 432 | 14 | 10 | 15 | 0 | 696 | 4250 | 4279 | -29 | 4946 | 0 | 4946 |
| 28 | 23.29.25 | 0 | 40 | 145 | 431 | 18 | 9 | 19 | 0 | 662 | 4425 | 4427 | -2 | 5087 | 0 | 5087 |
| 29 | 15.29.18 | 0 | 40 | 140 | 432 | 15 | 9 | 14 | 0 | 650 | 4736 | 4593 | 143 | 5386 | 0 | 5386 |
| 30 | 23.03.05 | 0 | 79 | 147 | 517 | 18 | 9 | 14 | 0 | 784 | 4880 | 4822 | 58 | 5664 | 0 | 5664 |
| | | | | | | | | | | | | | | | | |

## 7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 2019

| Date | Time of peak demand | | | Generation within Delhi | | | | | | | Import from the Grid | Schedule from the Grid | OD(-) / UD(+) | Demand met | Shedding | Un-Restricted Demand |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RPH | GT | PPCL | Bawana | Townmcl | East Delhi | DMS WL | BTPS | Total | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (7) | (8) | | | | (9)= (3) to (8) | (10) | (11) | (12)= (11) - (10) | (13)= (11)+ (12) | (14) | (15)= (13)+ (14) |
| 1 | 12.04.35 | 0 | 39 | 142 | -4 | 19 | 7 | 10 | 0 | 213 | 3352 | 3160 | 192 | 3565 | 0 | 3565 |
| 2 | 19.26.49 | 0 | 40 | 140 | 411 | 19 | 8 | 7 | 0 | 625 | 3037 | 2983 | 54 | 3662 | 0 | 3662 |
| 3 | 10.59.49 | 0 | 38 | 148 | 436 | 15 | 10 | 14 | 0 | 661 | 3101 | 3133 | -32 | 3762 | 0 | 3762 |
| 4 | 15.23.58 | 0 | 36 | 141 | 431 | 16 | 5 | 13 | 0 | 642 | 3444 | 3370 | 74 | 4086 | 0 | 4086 |
| 5 | 15.57.59 | 0 | 26 | 291 | 436 | 15 | 7 | 8 | 0 | 783 | 3472 | 3424 | 48 | 4255 | 2 | 4257 |
| 6 | 19.10.19 | 0 | 28 | 141 | 442 | 17 | 5 | 11 | 0 | 644 | 3305 | 3223 | 82 | 3949 | 0 | 3949 |
| 7 | 14.49.11 | 0 | 27 | 136 | 441 | 18 | 10 | 13 | 0 | 645 | 3306 | 3218 | 88 | 3951 | 0 | 3951 |
| 8 | 14.50.37 | 0 | 39 | 141 | 521 | 12 | 5 | 15 | 0 | 733 | 3496 | 3450 | 46 | 4229 | 0 | 4229 |
| 9 | 15.51.26 | 0 | 38 | 139 | 495 | 16 | 6 | 16 | 0 | 710 | 3557 | 3529 | 28 | 4267 | 0 | 4267 |
| 10 | 16.19.49 | 0 | 36 | 138 | 426 | 17 | 9 | 14 | 0 | 640 | 3762 | 3627 | 135 | 4402 | 0 | 4402 |
| 11 | 15.25.20 | 0 | 36 | 138 | 421 | 21 | 6 | 15 | 0 | 637 | 4024 | 4001 | 23 | 4661 | 0 | 4661 |
| 12 | 15.24.07 | 0 | 129 | 140 | 462 | 16 | 4 | 15 | 0 | 766 | 3816 | 3781 | 35 | 4582 | 0 | 4582 |
| 13 | 15.45.41 | 0 | 76 | 141 | 415 | 16 | -1 | 15 | 0 | 662 | 3517 | 3622 | -105 | 4179 | 0 | 4179 |
| 14 | 15.30.00 | 0 | 78 | 81 | 421 | 17 | -1 | 16 | 0 | 612 | 3567 | 3424 | 143 | 4179 | 0 | 4179 |
| 15 | 15.37.57 | 0 | 74 | 135 | 423 | 16 | -1 | 14 | 0 | 661 | 4037 | 4008 | 29 | 4698 | 0 | 4698 |
| 16 | 00.02.51 | 0 | 64 | 141 | 500 | 10 | 9 | 16 | 0 | 740 | 3775 | 3753 | 22 | 4515 | 0 | 4515 |
| 17 | 11.05.07 | 0 | 41 | 143 | 411 | 19 | 5 | 17 | 0 | 636 | 3072 | 3154 | -82 | 3708 | 0 | 3708 |
| 18 | 19.20.47 | 0 | 40 | 146 | 229 | 18 | 5 | 15 | 0 | 453 | 3257 | 3212 | 45 | 3710 | 69 | 3779 |
| 19 | 19.10.39 | 0 | 38 | 145 | 233 | 19 | 5 | 16 | 0 | 456 | 3251 | 3173 | 78 | 3707 | 0 | 3707 |
| 20 | 11.39.29 | 0 | 39 | 144 | 432 | 18 | 9 | 18 | 0 | 660 | 3068 | 3077 | -9 | 3728 | 0 | 3728 |
| 21 | 23.11.56 | 0 | 40 | 143 | 461 | 18 | -1 | 17 | 0 | 678 | 3202 | 3115 | 87 | 3880 | 0 | 3880 |
| 22 | 15.30.44 | 0 | 37 | 137 | 480 | 18 | 5 | 18 | 0 | 695 | 3893 | 3828 | 65 | 4588 | 0 | 4588 |
| 23 | 15.30.19 | 0 | 39 | 259 | 476 | 17 | 7 | 7 | 0 | 805 | 4125 | 3991 | 134 | 4930 | 0 | 4930 |
| 24 | 22.59.29 | 0 | 78 | 147 | 529 | 19 | 4 | 4 | 0 | 781 | 4482 | 4286 | 196 | 5263 | 0 | 5263 |
| 25 | 15.15.27 | 0 | 100 | 142 | 546 | 14 | 8 | 6 | 0 | 816 | 4736 | 4734 | 2 | 5552 | 76 | 5628 |
| 26 | 15.51.40 | 0 | 129 | 139 | 423 | 16 | 9 | 7 | 0 | 723 | 4592 | 4575 | 17 | 5315 | 0 | 5315 |
| 27 | 00.00.12 | 0 | 79 | 146 | 432 | 14 | 10 | 15 | 0 | 696 | 4250 | 4279 | -29 | 4946 | 0 | 4946 |
| 28 | 23.29.25 | 0 | 40 | 145 | 431 | 18 | 9 | 19 | 0 | 662 | 4425 | 4427 | -2 | 5087 | 0 | 5087 |
| 29 | 15.29.18 | 0 | 40 | 140 | 432 | 15 | 9 | 14 | 0 | 650 | 4736 | 4593 | 143 | 5386 | 0 | 5386 |
| 30 | 23.03.05 | 0 | 79 | 147 | 517 | 18 | 9 | 14 | 0 | 784 | 4880 | 4822 | 58 | 5664 | 0 | 5664 |
| | | | | | | | | | | | | | | | | |

## 8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR APRIL 2019

### A) AVAILABILITY FROM GENCO AND PRAGATI STNs. (all fig in MUs)

| | |
|---|---|
| A (i) RPH | 0.000 |
| (ii) GT+STG | 39.775 |
| (iii) PRAGATI | 112.133 |
| (iv) RITHALA | 0.000 |
| (v) BAWANA CCGT | 302.739 |
| (vi) Timarpur – Okhla | 14.810 |
| EDWPCL | 5.598 |
| DMSWL | 12.177 |
| TOTAL | 487.232 |
| B) AVAILABILITY FROM BTPS | -0.546 |
| C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS | 21.371 |
| D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C) | **465.315** |

### B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

| NAME OF THE STATION | AVAILABILITY AT POWER PLANT | AVAILABILITY AT DELHI PERIPHERY | ALLOCATION MADE BY NRLDC AT POWER PLANT | ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY |
|---|---|---|---|---|
| B/SUIL | 0.000 | 0.000 | 0.000 | 0.000 |
| SALAL | 49.386 | 48.548 | 49.386 | 48.548 |
| SASAN | 287.982 | 281.464 | 287.618 | 281.110 |
| TANKAPUR | 4.893 | 4.786 | 4.893 | 4.786 |
| CHAMERA | 26.289 | 25.907 | 26.289 | 25.907 |
| CHAMERA -II | 24.098 | 23.689 | 24.098 | 23.689 |
| CHAMERA -III | 16.312 | 16.076 | 16.312 | 16.076 |
| DHAULIGANGA | 12.858 | 12.576 | 12.858 | 12.576 |
| SEWA -2 | 12.035 | 11.831 | 12.035 | 11.831 |
| URI | 37.909 | 37.078 | 37.909 | 37.078 |
| URI-II | 21.866 | 21.495 | 21.866 | 21.495 |
| KOLDAM | 0.000 | 0.000 | 0.000 | 0.000 |
| KOTESHWAR | 10.207 | 9.959 | 10.207 | 9.959 |
| PARBATI3 | 4.985 | 4.901 | 4.985 | 4.901 |
| RAMPUR | 0.000 | 0.000 | 0.000 | 0.000 |
| MUNDRA_UMPP | 0.000 | 0.000 | 0.000 | 0.000 |
| ANTA (GAS) | 1.598 | 1.543 | 1.170 | 1.130 |
| ANTA (RLNG) | 28.267 | 27.296 | 0.004 | 0.004 |
| ANTA (LIQUID) | 0.000 | 0.000 | 0.000 | 0.000 |
| DADRI (GAS) | 19.403 | 19.122 | 16.915 | 16.670 |
| DADRI (RLNG) | 36.589 | 36.059 | 0.271 | 0.267 |
| DADRI (LIQUID) | 0.000 | 0.000 | 0.000 | 0.000 |
| AURAIYA (GAS) | 0.000 | 0.000 | 0.000 | 0.000 |
| AURAIYA (RLNG) | 50.009 | 48.788 | 0.000 | 0.000 |
| AURAIYA (LIQUID) | 0.000 | 0.000 | 0.000 | 0.000 |
| SINGRAULI | 90.668 | 87.555 | 82.522 | 79.689 |
| SINGRAULI_HYDRO | 0.122 | 0.118 | 0.122 | 0.118 |
| RIHAND -I | 65.262 | 63.023 | 62.184 | 60.050 |
| RIHAND -II | 78.736 | 76.022 | 76.167 | 73.541 |
| RIHAND -III | 89.514 | 86.441 | 81.092 | 78.308 |
| UNCHAHAR-I | 14.836 | 14.548 | 10.999 | 10.786 |
| UNCHAHAR-II | 28.733 | 28.177 | 21.326 | 20.913 |
| UNCHAHAR-III | 18.571 | 18.210 | 13.991 | 13.719 |
| UNCHAHAR-IV | 0.000 | 0.000 | 0.000 | 0.000 |

| NAME OF THE STATION | AVAILABILITY AT POWER PLANT | AVAILABILITY AT DELHI PERIPHERY | ALLOCATION MADE BY NRLDC AT POWER PLANT | ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY |
|---|---|---|---|---|
| DADRI (TH) | 496.672 | 489.479 | 234.147 | 230.738 |
| DADRI (TH) STAGE-II | 445.450 | 439.009 | 316.717 | 312.135 |
| NAPP | 29.461 | 28.741 | 29.461 | 28.741 |
| RAPP 'B' | 0.000 | 0.000 | 0.000 | 0.000 |
| RAPP 'C' | 28.073 | 27.112 | 28.073 | 27.112 |
| NATHPA JHAKRI | 50.936 | 49.948 | 50.936 | 49.948 |
| DULASTI | 27.166 | 26.705 | 27.166 | 26.705 |
| TEHRI | 14.781 | 14.420 | 14.781 | 14.420 |
| JHAJJAR | 349.828 | 344.759 | 14.530 | 14.318 |
| KHELGAON | 31.564 | 31.082 | 25.959 | 25.563 |
| KHELGAON-II | 79.478 | 78.260 | 65.793 | 64.785 |
| FARAKA | 13.668 | 13.493 | 10.527 | 10.392 |
| TALA | 5.533 | 5.434 | 5.533 | 5.434 |
| TALCHER | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC | 235.185 | 233.875 | 233.875 | 232.169 |
| TUTICORIN - BRPL | 5.784 | 5.719 | 5.719 | 5.677 |
| ADHPL (KULLU) | 0.000 | 0.000 | 0.000 | 0.000 |
| MEGHALAYA | 1.484 | 1.481 | 1.481 | 1.470 |
| MAHARASHTRA | 0.253 | 0.250 | 0.250 | 0.248 |
| MIZORAM | 0.732 | 0.718 | 0.718 | 0.713 |
| MADHYA PRADESH | 0.071 | 0.070 | 0.070 | 0.070 |
| METHON POWER(NDPL)LT-06 | 173.958 | 172.988 | 172.988 | 171.719 |
| DVC MEJIA (LT-08)(BYPL) | 63.453 | 63.102 | 63.102 | 62.642 |
| Acme_RUMS | 3.133 | 3.098 | 3.098 | 3.076 |
| Arinsun_RUMS | 2.871 | 2.839 | 2.839 | 2.818 |
| Mahindra_RUMS | 1.527 | 1.510 | 1.510 | 1.499 |
| URS | 0.302 | 0.300 | 0.302 | 0.300 |
| JAMMU & KASHMIR | 35.577 | 35.236 | 35.236 | 34.987 |
| HIMACHAL PRADESH | 19.739 | 19.449 | 19.449 | 19.309 |
| DB POWER | 0.000 | 0.000 | 0.000 | 0.000 |
| ASSAM | 0.000 | 0.000 | 0.000 | 0.000 |
| NAGALAND | 0.000 | 0.000 | 0.000 | 0.000 |
| HIMACHAL PRADESH LT-59 DVC | 4.131 | 4.070 | 4.070 | 4.040 |
| HARYANA (LT-05) | 38.187 | 37.910 | 37.910 | 37.637 |
| GUJRAT | 0.000 | 0.000 | 0.000 | 0.000 |
| WEST BENGAL | 0.000 | 0.000 | 0.000 | 0.000 |
| ORISSA MT-20 JITPL -DVC | 5.036 | 4.983 | 4.983 | 4.947 |
| TAMILNAIDU | 0.000 | 0.000 | 0.000 | 0.000 |
| MANIPUR | 1.877 | 1.865 | 1.865 | 1.852 |
| RAJASTHAN(SOLAR) BRPL-LT36 | 4.090 | 3.979 | 3.979 | 3.950 |
| RAJASTHAN(SOLAR) BYPL - LT-35 | 4.024 | 3.914 | 3.914 | 3.886 |
| RAJASTHAN(SOLAR) TPDDL LT-31 | 3.976 | 3.868 | 3.868 | 3.840 |
| TO GOA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO ANDHRA | -71.015 | -72.002 | -72.002 | -72.529 |
| TO UTTAR PRADESH | -0.171 | -0.176 | -0.176 | -0.177 |
| TO WEST BENGAL | -0.119 | -0.120 | -0.120 | -0.121 |
| TO CHATTISHGARH | 0.000 | 0.000 | 0.000 | 0.000 |
| TO J&K | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MANIPUR | 0.000 | 0.000 | 0.000 | 0.000 |
| TO TAMILNAIDU | 0.000 | 0.000 | 0.000 | 0.000 |
| TO UTTRAKHAND | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MAHARASHTRA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MEGHALAYA | 0.000 | 0.000 | 0.000 | 0.000 |

| NAME OF THE STATION | AVAILABILITY AT POWER PLANT | AVAILABILITY AT DELHI PERIPHERY | ALLOCATION MADE BY NRLDC AT POWER PLANT | ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY |
|---|---|---|---|---|
| BTPS TO MP | 0.000 | 0.000 | 0.000 | 0.000 |
| TO HIMACHAL PRADESH | 0.000 | 0.000 | 0.000 | 0.000 |
| TO GUJRAT | 0.000 | 0.000 | 0.000 | 0.000 |
| POWER EXCHANGE(IEX) | 200.646 | 199.199 | 200.646 | 199.199 |
| TO POWER EXCHANGE (IEX) | -64.957 | -65.436 | -64.957 | -65.436 |
| POWER EXCHANGE(PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO POWER EXCHANGE (PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO SHARE PROJECT (HARYANA) | -25.385 | -25.572 | -25.385 | -25.572 |
| TO SHARE PROJECT (PUNJAB) | -25.084 | -25.268 | -25.084 | -25.268 |
| | | | | |
| **TOTAL** | **3223.043** | **3165.503** | **2312.989** | **2270.389** |

**C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWL FROM THE GRID**

| NAME OF THE STATION | AVAILABILITY AT POWER PLANT | AVAILABILITY AT DELHI PERIPHERY | ALLOCATION MADE BY NRLDC AT POWER PLANT | ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY |
|---|---|---|---|---|
| NTPC - NR | 1464.431 | 1435.389 | 917.627 | 898.068 |
| NTPC - ER | 124.710 | 122.835 | 102.279 | 100.740 |
| NHPC | 237.797 | 233.592 | 237.797 | 233.592 |
| NPC | 57.534 | 55.853 | 57.534 | 55.853 |
| SASAN | 287.982 | 281.464 | 287.618 | 281.110 |
| KOTESHWAR | 10.207 | 9.959 | 10.207 | 9.959 |
| MUNDRA_UMPP | 0.000 | 0.000 | 0.000 | 0.000 |
| NATHPA JHAKRI | 50.936 | 49.948 | 50.936 | 49.948 |
| TEHRI | 14.781 | 14.420 | 14.781 | 14.420 |
| TALA | 5.533 | 5.434 | 5.533 | 5.434 |
| JHAJJAR | 349.828 | 344.759 | 14.530 | 14.318 |
| TALCHER | 0.000 | 0.000 | 0.000 | 0.000 |
| RAJASTHAN SOLAR(BRPL)T-36 | 4.090 | 3.979 | 3.979 | 3.950 |
| RAJASTHAN SOLAR(BYPL)T-35 | 4.024 | 3.914 | 3.914 | 3.886 |
| RAJASTHAN SOLAR(TPDDL)T-31 | 3.976 | 3.868 | 3.868 | 3.840 |
| DVC | 235.185 | 233.875 | 233.875 | 232.169 |
| TUTICORIN BRPL | 5.784 | 5.719 | 5.719 | 5.677 |
| ADHPL (KULLU) | 0.000 | 0.000 | 0.000 | 0.000 |
| MEGHALAYA | 1.484 | 1.481 | 1.481 | 1.470 |
| MAHARASHTRA | 0.253 | 0.250 | 0.250 | 0.248 |
| MIZORAM | 0.732 | 0.718 | 0.718 | 0.713 |
| MADHYA PRADESH | 0.071 | 0.070 | 0.070 | 0.070 |
| METHON POWER (NDPL)-LT-06 | 173.958 | 172.988 | 172.988 | 171.719 |
| DVC MEJIA (LT-08)(BYPL) | 63.453 | 63.102 | 63.102 | 62.642 |
| Acme_RUMS | 3.133 | 3.098 | 3.098 | 3.076 |
| Arinsun_RUMS | 2.871 | 2.839 | 2.839 | 2.818 |
| Mahindra_RUMS | 1.527 | 1.510 | 1.510 | 1.499 |
| URS | 0.302 | 0.300 | 0.302 | 0.300 |
| JAMMU & KASHMIR | 35.577 | 35.236 | 35.236 | 34.987 |
| HIMACHAL PRADESH | 19.739 | 19.449 | 19.449 | 19.309 |
| DB POWER | 0.000 | 0.000 | 0.000 | 0.000 |
| ASSAM | 0.000 | 0.000 | 0.000 | 0.000 |
| NAGALAND | 0.000 | 0.000 | 0.000 | 0.000 |
| HIMACHAL PRADESH LT-59 DVC | 4.131 | 4.070 | 4.070 | 4.040 |
| HARYANA (LT -05) | 38.187 | 37.910 | 37.910 | 37.637 |
| GUJRAT | 0.000 | 0.000 | 0.000 | 0.000 |
| WEST BENGAL | 0.000 | 0.000 | 0.000 | 0.000 |

| NAME OF THE STATION | AVAILABILITY AT POWER PLANT | AVAILABILITY AT DELHI PERIPHERY | ALLOCATION MADE BY NRLDC AT POWER PLANT | ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY |
|---|---|---|---|---|
| ORISSA MT-20 JITPL -DVC | 5.036 | 4.983 | 4.983 | 4.947 |
| TAMILNAIDU | 0.000 | 0.000 | 0.000 | 0.000 |
| MANIPUR | 1.877 | 1.865 | 1.865 | 1.852 |
| POWER EXCHANGE(IEX) | 200.646 | 199.199 | 200.646 | 199.199 |
| POWER EXCHANGE(PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| | | | | |
| **TOTAL** | **3409.776** | **3354.076** | **2500.714** | **2459.492** |

## D) AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DTL

| NAME OF THE STATION | AVAILABILITY AT POWER PLANT | AVAILABILITY AT PERIPHERY | ALLOCATION MADE BY NRLDC AT POWER PLANT | ALLOCATION MADE BY NRLDC AT POWER PERIPHERY |
|---|---|---|---|---|
| TO GOA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO ANDHRA | -71.015 | -72.002 | -72.002 | -72.529 |
| TO UTTAR PRADESH | -0.171 | -0.176 | -0.176 | -0.177 |
| TO WEST BENGAL | -0.119 | -0.120 | -0.120 | -0.121 |
| TO J&K | 0.000 | 0.000 | 0.000 | 0.000 |
| TO CHATTISHGARH | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MANIPUR | 0.000 | 0.000 | 0.000 | 0.000 |
| TO TAMILNAIDU | 0.000 | 0.000 | 0.000 | 0.000 |
| TO UTTRAKHAND | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MAHARASHTRA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MEGHALAYA | 0.000 | 0.000 | 0.000 | 0.000 |
| BTPS TO MP | 0.000 | 0.000 | 0.000 | 0.000 |
| TO HIMACHAL PRADESH | 0.000 | 0.000 | 0.000 | 0.000 |
| TO GUJRAT | 0.000 | 0.000 | 0.000 | 0.000 |
| TO POWER EXCHANGE (IEX) | -64.957 | -65.436 | -64.957 | -65.436 |
| TO POWER EXCHANGE (PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO SHARE PROJECT (HARYANA) | -25.385 | -25.572 | -25.385 | -25.572 |
| TO SHARE PROJECT (PUNJAB) | -25.084 | -25.268 | -25.084 | -25.268 |
| | | | | |
| **TOTAL** | **-186.733** | **-188.573** | **-187.725** | **-189.103** |
| **TOTAL SCHEDULED DRAWAL FROM THE GRID** | **3223.043** | **3165.503** | **2312.989** | **2270.389** |

| | | |
|---|---|---|
| TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS | | 2719.082 |
| NET CONSUMPTION | | **2697.711** |
| AVAILABILITY WITHIN DELHI | | 465.315 |
| ACTUAL DRAWAL FROM THE GRID | | 2232.396 |
| OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY | | -37.993 |
| LOAD SHEDDING | | 0.805 |
| UNRESTRICTED DEMAND (GROSS) | | 2719.887 |
| UNRESTRICTED DEMAND (NET) | | 2698.516 |
| MAX. NET CONSUMPTION | | 113.268 ON 30.04.2019 |
| MAX. LOAD SHEDDING | | 216MW ON 04.04.2019 AT 12.04HRS. |
| **PEAK LOAD** | Peak Demand during the month | SHEDDING AT PEAK TIME |
| DAY PEAK | 5617MW AT 15.23 HRS ON 30.04.2019 | 0 MW |
| EVENING PEAK | 5664MW AT 23.03.05HRS ON 30.04.2019 | 0 MW |
| P.L.F. OF GENCO AND PRAGATI STNs. | RPH | 0.00% |
| | GT | 20.46% |
| | PRAGATI | 47.19% |
| | RITHALA | 0.00% |
| | BAWANA | 30.67% |
| | Timarpur Okhla | 128.56% |
| | EDWPCL | 64.79% |
| | DMSWL | 70.47% |

## 9 SHEDDING DETAILS DURING THE MONTH OF APRIL 2019.

**ALL FIGURES IN MUs**

| DATE | No. of Under Freq. Relay Operated | Shedding due to under frequency relay operation in MUs | | | | | Shedding due to Grid Restrictions (Over drawal / low freq.) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BSES | | NDPL | NDMC | TOTAL | BSES | | NDPL | NDMC | MES |
| | | BYPL | BRPL | | | | BYPL | BRPL | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7=3 to 6 | 8 | 9 | 10 | 11 | 12 |
| 01.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 02.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 03.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 |
| 04.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 05.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 06.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 07.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 08.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 09.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 |
| 11.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 22.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25.Apr.19 | 0 | 0.000 | 0.000 | 0.0001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30.Apr.19 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | | | | | | | | | | |
| **TOTAL** | **0** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.004** | **0.000** | **0.000** |

ALL FIGURES IN MUs

| Date | Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION | | | | DUE TO NEW GRID CODE REGULATION DEVIATOIN | | | Shedding due to Transmission/Grid Constraints in Central sector stations | | | | Total | Total shedding due to grid restrictions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BSES | | NDPL | NDMC | BSES | | | BSES | | TPDDL | NDMC | | |
| | BYPL | BRPL | | | BYPL | BRPL | TPDDL | BYPL | BRPL | | | | |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24=8 to 23 | 25=7+24 |
| 01.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 02.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 03.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | **0.002** |
| 04.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 05.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 06.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 07.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 08.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 09.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 10.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | **0.002** |
| 11.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 12.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 13.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 14.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 15.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 16.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 17.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 18.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 19.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 20.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 21.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 22.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 23.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 24.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 25.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 26.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 27.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 28.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 29.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| 30.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** |
| | | | | | | | | | | | | | |
| **TOTAL** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.004** | **0.004** |

ALL FIGURES IN MUs

| Date | DUE TO T&D CONSTRAINTS IN DELHI SYSTEM | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DTL | | | | | DISCOMS | | | |
| | BSES | | NDPL | NDMC | **MES** | BSES | | NDPL | NDMC |
| | BYPL | BRPL | | | | BYPL | BRPL | | |
| | 26 | 27 | 28 | 29 | **30** | 31 | 32 | 33 | 34 |
| 01.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 |
| 02.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 |
| 03.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 |
| 04.Apr.19 | 0.000 | 0.000 | 0.065 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 |
| 05.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.032 | 0.000 |
| 06.Apr.19 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 |
| 07.Apr.19 | 0.000 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.017 | 0.0000 | 0.000 |
| 08.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.0000 | 0.000 |
| 09.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10.Apr.19 | 0.003 | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | 0.005 | 0.003 | 0.000 |
| 11.Apr.19 | 0.001 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.006 | 0.000 |
| 12.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 |
| 13.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.012 | 0.0000 | 0.000 |
| 14.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 |
| 15.Apr.19 | 0.001 | 0.022 | 0.002 | 0.000 | 0.000 | 0.000 | 0.008 | 0.021 | 0.000 |
| 16.Apr.19 | 0.000 | 0.032 | 0.006 | 0.000 | 0.000 | 0.000 | 0.011 | 0.001 | 0.000 |
| 17.Apr.19 | 0.001 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 |
| 18.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.001 | 0.000 |
| 19.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20.Apr.19 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 |
| 21.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 |
| 22.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.042 | 0.000 | 0.000 |
| 23.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 |
| 24.Apr.19 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | 0.020 | 0.036 | 0.000 | 0.000 |
| 25.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.005 | 0.015 | 0.000 |
| 26.Apr.19 | 0.002 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.067 | 0.000 | 0.000 |
| 27.Apr.19 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | 0.000 | 0.031 | 0.0000 | 0.000 |
| 28.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.044 | 0.000 | 0.000 |
| 29.Apr.19 | 0.000 | 0.000 | 0.059 | 0.000 | 0.000 | 0.010 | 0.006 | 0.000 | 0.000 |
| 30.Apr.19 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.026 | 0.001 | 0.000 |
| | | | | | | | | | |
| **TOTAL** | **0.008** | **0.097** | **0.172** | **0.000** | **0.000** | **0.034** | **0.390** | **0.080** | **0.000** |

ALL FIGURES IN MUs

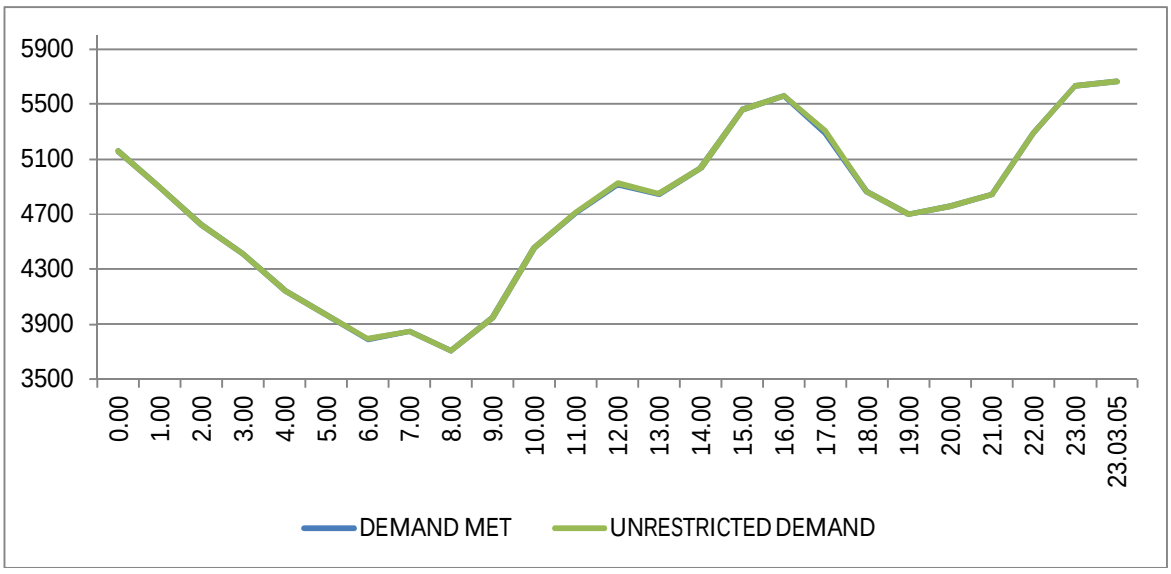
| DATE | OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC. | | | | THEFT PRONE SHEDDING | | | TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE | GRAND TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| | BSES | | NDPL | NDMC | BSES | | NDPL | | |
| | BYPL | BRPL | | | BYPL | BRPL | | | |
| 1 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42= 26 to 41 | 43 = 25 + 42 |
| 01.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.010** | **0.010** |
| 02.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.001** | **0.001** |
| 03.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.015** | **0.017** |
| 04.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.066** | **0.066** |
| 05.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.035** | **0.035** |
| 06.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.018** | **0.018** |
| 07.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.023** | **0.023** |
| 08.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.001** | **0.001** |
| 09.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** |
| 10.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.027** | **0.029** |
| 11.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.019** | **0.019** |
| 12.Apr.19 | 0.001 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | **0.008** | **0.008** |
| 13.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.012** | **0.012** |
| 14.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.001** | **0.001** |
| 15.Apr.19 | 0.000 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.068** | **0.068** |
| 16.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.050** | **0.050** |
| 17.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.007** | **0.007** |
| 18.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.006** | **0.006** |
| 19.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** |
| 20.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.016** | **0.016** |
| 21.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.016** | **0.016** |
| 22.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.042** | **0.042** |
| 23.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.001** | **0.001** |
| 24.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.077** | **0.077** |
| 25.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.021** | **0.021** |
| 26.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.075** | **0.075** |
| 27.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.037** | **0.037** |
| 28.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.044** | **0.044** |
| 29.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.075** | **0.075** |
| 30.Apr.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.030** | **0.030** |
| | | | | | | | | | |
| **TOTAL** | **0.001** | **0.014** | **0.005** | **0.000** | **0.000** | **0.000** | **0.000** | **0.801** | **0.805** |

| DATE | (NET CONS.) | MAXI. DEMAND MET DURING THE DAY | TIME OF OCCUR-RENCE OF MAX DEMAND | SHEDDING AT THIS TIME | UN-REST-RICTED DEMAND | MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY | TIME OF MAX. UN-REST. DEMAND | DEMAND AT THAT TIME | SHEDDING AT THAT TIME |
|---|---|---|---|---|---|---|---|---|---|
| | In Mus. | IN MW | IN HRS. | IN MW | IN MW | IN MW | HRS. | IN MW | IN MW |
| 1 | 32 | 33 | 34 | 35 | 36=33+35 | 37=39+40 | 38 | 39 | 40 |
| 01.Apr.19 | 73.784 | 3565 | 12:04:35 | 0 | 3565 | 3565 | 12:04:35 | 3565 | 0 |
| 02.Apr.19 | 76.849 | 3662 | 19:26:49 | 0 | 3662 | 3662 | 19:26:49 | 3662 | 0 |
| 03.Apr.19 | 74.880 | 3762 | 10:59:49 | 0 | 3762 | 3762 | 10:59:49 | 3762 | 0 |
| 04.Apr.19 | 81.670 | 4086 | 15:23:58 | 0 | 4086 | 4086 | 15:23:58 | 4086 | 0 |
| 05.Apr.19 | 85.960 | 4255 | 15:57:59 | 2 | 4257 | 4257 | 15:57:59 | 4255 | 2 |
| 06.Apr.19 | 83.506 | 3949 | 19:10:19 | 0 | 3949 | 3949 | 19:10:19 | 3949 | 0 |
| 07.Apr.19 | 82.804 | 3951 | 14:49:11 | 0 | 3951 | 3951 | 14:49:11 | 3951 | 0 |
| 08.Apr.19 | 83.633 | 4229 | 15:40:37 | 0 | 4229 | 4229 | 15:40:37 | 4229 | 0 |
| 09.Apr.19 | 84.730 | 4267 | 15:51:26 | 0 | 4267 | 4267 | 15:51:26 | 4267 | 0 |
| 10.Apr.19 | 85.464 | 4404 | 16:19:49 | 0 | 4404 | 4404 | 16:19:49 | 4404 | 0 |
| 11.Apr.19 | 92.199 | 4661 | 15:25:20 | 0 | 4661 | 4661 | 15:25:20 | 4661 | 0 |
| 12.Apr.19 | 95.607 | 4582 | 15:24:07 | 0 | 4582 | 4582 | 15:24:07 | 4582 | 0 |
| 13.Apr.19 | 88.899 | 4179 | 15:45:41 | 0 | 4179 | 4179 | 15:45:41 | 4179 | 0 |
| 14.Apr.19 | 86.124 | 4179 | 23:05:10 | 0 | 4179 | 4179 | 23:05:10 | 4179 | 0 |
| 15.Apr.19 | 97.339 | 4798 | 15:37:57 | 0 | 4798 | 4798 | 15:37:57 | 4798 | 0 |
| 16.Apr.19 | 88.152 | 4515 | 00:02:51 | 0 | 4515 | 4515 | 00:02:51 | 4515 | 0 |
| 17.Apr.19 | 75.395 | 3708 | 11:05:07 | 0 | 3708 | 3708 | 11:05:07 | 3708 | 0 |
| 18.Apr.19 | 74.624 | 3710 | 19:20:47 | 0 | 3710 | 3710 | 19:20:47 | 3710 | 0 |
| 19.Apr.19 | 76.673 | 3707 | 19:10:39 | 0 | 3707 | 3707 | 19:10:39 | 3707 | 0 |
| 20.Apr.19 | 79.459 | 3728 | 11:39:29 | 0 | 3728 | 3728 | 11:39:29 | 3728 | 0 |
| 21.Apr.19 | 78.694 | 3880 | 23:11:56 | 0 | 3880 | 3880 | 23:11:56 | 3880 | 0 |
| 22.Apr.19 | 93.219 | 4588 | 15:30:44 | 0 | 4588 | 4588 | 15:30:44 | 4588 | 0 |
| 23.Apr.19 | 99.717 | 4930 | 15:30:19 | 0 | 4930 | 4930 | 15:30:19 | 4930 | 0 |
| 24.Apr.19 | 107.257 | 5263 | 22:49:29 | 0 | 5263 | 5263 | 22:49:29 | 5263 | 0 |
| 25.Apr.19 | 112.870 | 5552 | 15:15:27 | 76 | 5628 | 5628 | 15:15:27 | 5552 | 76 |
| 26.Apr.19 | 110.337 | 5315 | 15:51:40 | 0 | 5315 | 5315 | 15:51:40 | 5315 | 0 |
| 27.Apr.19 | 103.343 | 4946 | 00:00:12 | 0 | 4946 | 4946 | 00:00:12 | 4946 | 0 |
| 28.Apr.19 | 100.661 | 5087 | 23:29:25 | 0 | 5087 | 5087 | 23:29:25 | 5087 | 0 |
| 29.Apr.19 | 110.594 | 5386 | 15:29:18 | 0 | 5386 | 5386 | 15:29:18 | 5386 | 0 |
| 30.Apr.19 | 113.268 | 5664 | 23:03:05 | 0 | 5664 | 5664 | 23:03:05 | 5664 | 0 |
| | | | | | | | | | |
| TOTAL | 2697.711 | 5664<br>30.04.19 | 23:03:05 | 0 | 5664<br>30.04.19 | 5664 | 23:03:05 | 5664 | 0 |

## 10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2019 ON 30.04.2019- 5664MW AT 23.03.05HRS.

**All figures in MW**

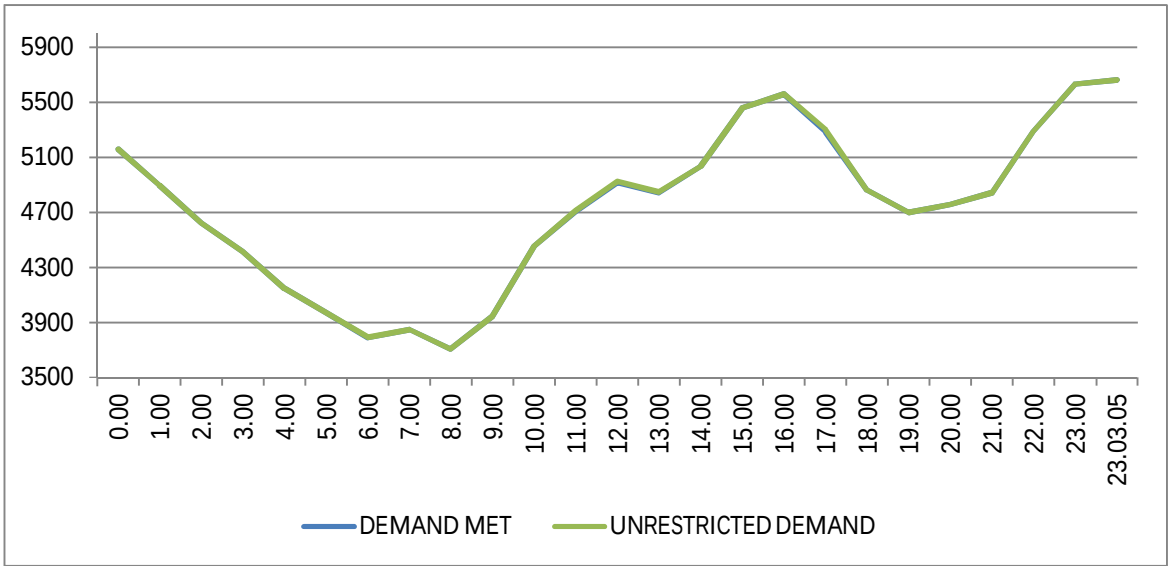
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 0.00 | 5160 | 0 | 5160 |
| 1.00 | 4895 | 0 | 4895 |
| 2.00 | 4621 | 0 | 4621 |
| 3.00 | 4416 | 0 | 4416 |
| 4.00 | 4145 | 0 | 4145 |
| 5.00 | 3970 | 0 | 3970 |
| 6.00 | 3791 | 4 | 3795 |
| 7.00 | 3847 | 0 | 3847 |
| 8.00 | 3706 | 0 | 3706 |
| 9.00 | 3949 | 0 | 3949 |
| 10.00 | 4457 | 0 | 4457 |
| 11.00 | 4708 | 7 | 4715 |
| 12.00 | 4918 | 7 | 4925 |
| 13.00 | 4843 | 7 | 4850 |
| 14.00 | 5036 | 0 | 5036 |
| 15.00 | 5460 | 0 | 5460 |
| 16.00 | 5559 | 0 | 5559 |
| 17.00 | 5288 | 16 | 5304 |
| 18.00 | 4861 | 0 | 4861 |
| 19.00 | 4700 | 0 | 4700 |
| 20.00 | 4757 | 0 | 4757 |
| 21.00 | 4842 | 0 | 4842 |
| 22.00 | 5288 | 0 | 5288 |
| 23.00 | 5634 | 0 | 5634 |
| 23.03.05 | 5664 | 0 | 5664 |
| **Total (IN MUS)** | **113.268** | **0.009** | **113.277** |



## 11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2019 ON 30.04.2019- 5664MW AT 23.03.05HRS.

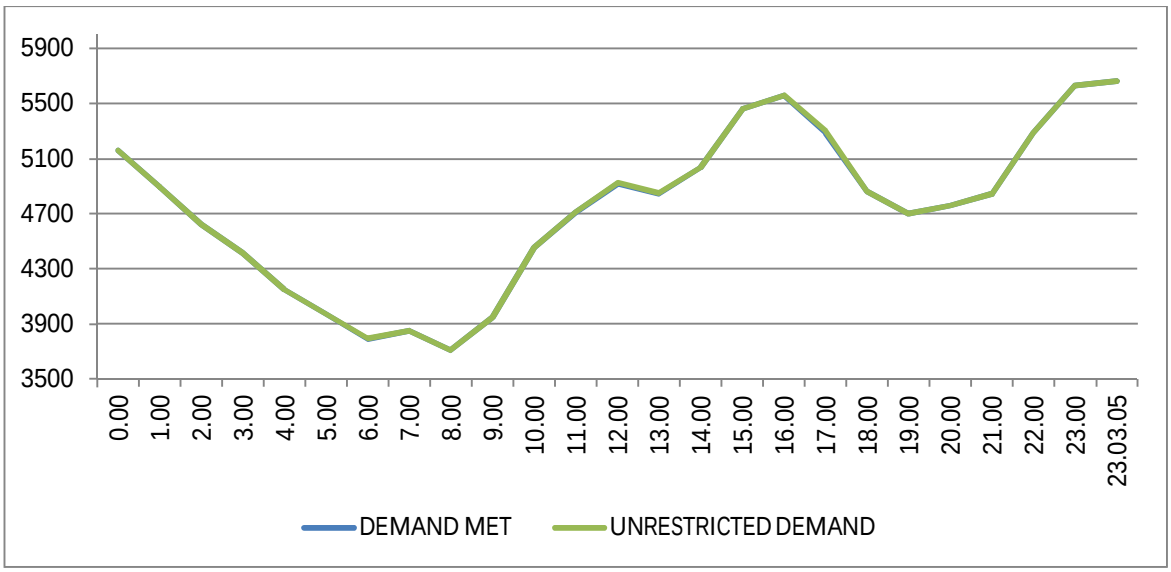
**All figures in MW**

| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 0.00 | 5160 | 0 | 5160 |
| 1.00 | 4895 | 0 | 4895 |
| 2.00 | 4621 | 0 | 4621 |
| 3.00 | 4416 | 0 | 4416 |
| 4.00 | 4145 | 0 | 4145 |
| 5.00 | 3970 | 0 | 3970 |
| 6.00 | 3791 | 4 | 3795 |
| 7.00 | 3847 | 0 | 3847 |
| 8.00 | 3706 | 0 | 3706 |
| 9.00 | 3949 | 0 | 3949 |
| 10.00 | 4457 | 0 | 4457 |
| 11.00 | 4708 | 7 | 4715 |
| 12.00 | 4918 | 7 | 4925 |
| 13.00 | 4843 | 7 | 4850 |
| 14.00 | 5036 | 0 | 5036 |
| 15.00 | 5460 | 0 | 5460 |
| 16.00 | 5559 | 0 | 5559 |
| 17.00 | 5288 | 16 | 5304 |
| 18.00 | 4861 | 0 | 4861 |
| 19.00 | 4700 | 0 | 4700 |
| 20.00 | 4757 | 0 | 4757 |
| 21.00 | 4842 | 0 | 4842 |
| 22.00 | 5288 | 0 | 5288 |
| 23.00 | 5634 | 0 | 5634 |
| 23.03.05 | 5664 | 0 | 5664 |
| **Total (IN MUS)** | **113.268** | **0.009** | **113.277** |



## 12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2019 – 30.04.2019 – 113.268Mus All figures in MW

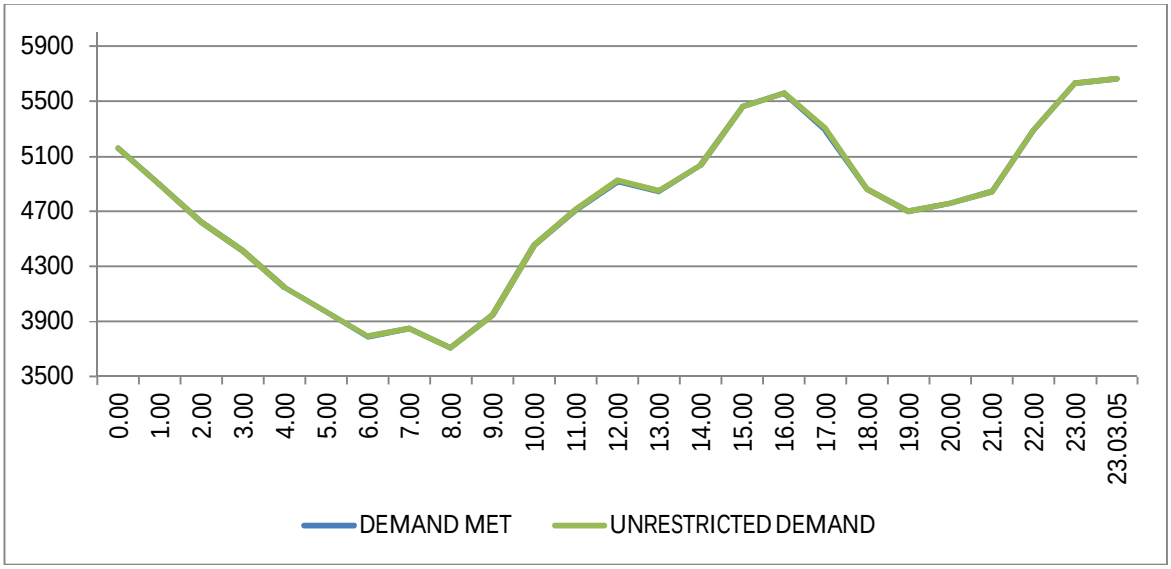
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 0.00 | 5160 | 0 | 5160 |
| 1.00 | 4895 | 0 | 4895 |
| 2.00 | 4621 | 0 | 4621 |
| 3.00 | 4416 | 0 | 4416 |
| 4.00 | 4145 | 0 | 4145 |
| 5.00 | 3970 | 0 | 3970 |
| 6.00 | 3791 | 4 | 3795 |
| 7.00 | 3847 | 0 | 3847 |
| 8.00 | 3706 | 0 | 3706 |
| 9.00 | 3949 | 0 | 3949 |
| 10.00 | 4457 | 0 | 4457 |
| 11.00 | 4708 | 7 | 4715 |
| 12.00 | 4918 | 7 | 4925 |
| 13.00 | 4843 | 7 | 4850 |
| 14.00 | 5036 | 0 | 5036 |
| 15.00 | 5460 | 0 | 5460 |
| 16.00 | 5559 | 0 | 5559 |
| 17.00 | 5288 | 16 | 5304 |
| 18.00 | 4861 | 0 | 4861 |
| 19.00 | 4700 | 0 | 4700 |
| 20.00 | 4757 | 0 | 4757 |
| 21.00 | 4842 | 0 | 4842 |
| 22.00 | 5288 | 0 | 5288 |
| 23.00 | 5634 | 0 | 5634 |
| 23.03.05 | 5664 | 0 | 5664 |
| **Total (IN MUS)** | **113.268** | **0.009** | **113.277** |



## 13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2019 – 30.04.2019 – 113.277 Mus

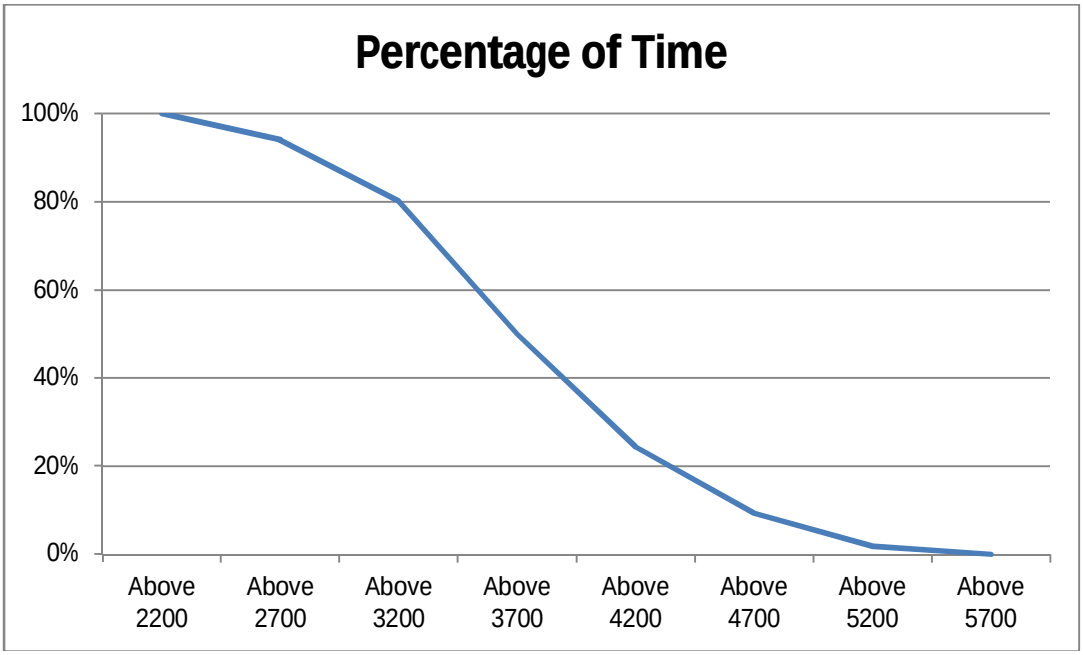
**All figures in MW**

| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 0.00 | 5160 | 0 | 5160 |
| 1.00 | 4895 | 0 | 4895 |
| 2.00 | 4621 | 0 | 4621 |
| 3.00 | 4416 | 0 | 4416 |
| 4.00 | 4145 | 0 | 4145 |
| 5.00 | 3970 | 0 | 3970 |
| 6.00 | 3791 | 4 | 3795 |
| 7.00 | 3847 | 0 | 3847 |
| 8.00 | 3706 | 0 | 3706 |
| 9.00 | 3949 | 0 | 3949 |
| 10.00 | 4457 | 0 | 4457 |
| 11.00 | 4708 | 7 | 4715 |
| 12.00 | 4918 | 7 | 4925 |
| 13.00 | 4843 | 7 | 4850 |
| 14.00 | 5036 | 0 | 5036 |
| 15.00 | 5460 | 0 | 5460 |
| 16.00 | 5559 | 0 | 5559 |
| 17.00 | 5288 | 16 | 5304 |
| 18.00 | 4861 | 0 | 4861 |
| 19.00 | 4700 | 0 | 4700 |
| 20.00 | 4757 | 0 | 4757 |
| 21.00 | 4842 | 0 | 4842 |
| 22.00 | 5288 | 0 | 5288 |
| 23.00 | 5634 | 0 | 5634 |
| 23.03.05 | 5664 | 0 | 5664 |
| **Total (IN MUS)** | **113.268** | **0.009** | **113.277** |



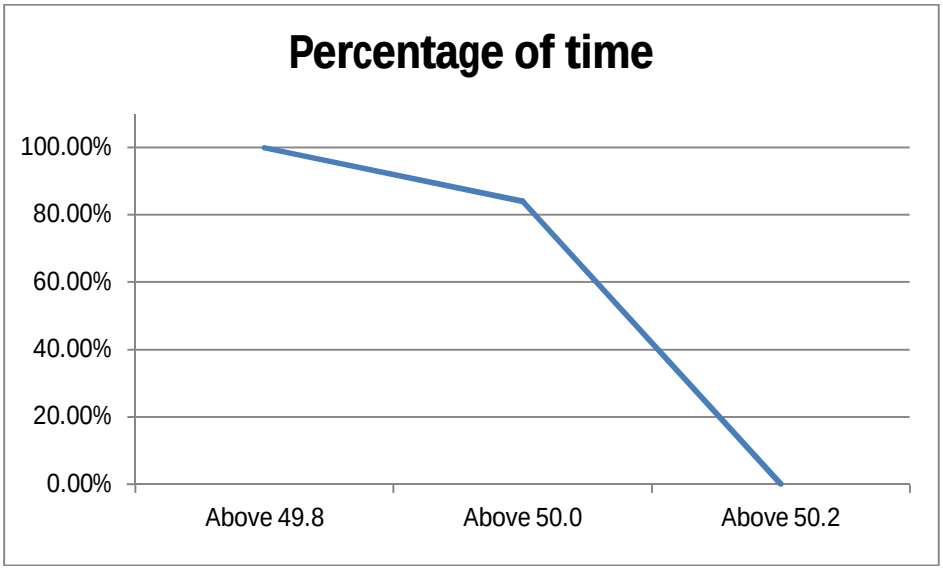
## 14 LOAD DURATION CURVE FOR APRIL 2019

| Load in MW | Percentage of Time |
|---|---|
| Above 2200 | 100% |
| Above 2700 | 94.10% |
| Above 3200 | 80.14% |
| Above 3700 | 49.83% |
| Above 4200 | 24.24% |
| Above 4700 | 9.31% |
| Above 5200 | 1.84% |
| Above 5700 | 0.00% |



## 15 FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2019

| Frequency Range in Hz. | Percentage of time |
|---|---|
| Above 49.8 | 99.97 |
| Above 50.0 | 84.03 |
| Above 50.2 | 0.21 |



## 16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING APRIL 2019

**All figures in kV**

| Date | NARELA | | GAZIPUR | |
|---|---|---|---|---|
| | Max | Min | Max | Min |
| 01.Apr.19 | 236.65 | 225.69 | 239.49 | 230.85 |
| 02.Apr.19 | 237.69 | 226.34 | 242.07 | 229.17 |
| 03.Apr.19 | 237.81 | 225.95 | 240.91 | 230.72 |
| 04.Apr.19 | 235.75 | 221.44 | 240.91 | 230.85 |
| 05.Apr.19 | 235.88 | 224.66 | 242.46 | 230.46 |
| 06.Apr.19 | 234.98 | 226.21 | 238.85 | 229.43 |
| 07.Apr.19 | 234.98 | 226.98 | 239.49 | 229.17 |
| 08.Apr.19 | 236.4 | 225.05 | 240.52 | 228.01 |
| 09.Apr.19 | 235.88 | 225.05 | 239.88 | 229.3 |
| 10.Apr.19 | 235.11 | 221.69 | 240.14 | 227.24 |
| 11.Apr.19 | 233.43 | 222.47 | 239.62 | 227.5 |
| 12.Apr.19 | 233.43 | 224.14 | 237.94 | 226.59 |
| 13.Apr.19 | 234.72 | 222.98 | 238.97 | 225.95 |
| 14.Apr.19 | 235.11 | 221.18 | 240.26 | 226.98 |
| 15.Apr.19 | 234.07 | 221.05 | 238.2 | -- |
| 16.Apr.19 | 236.65 | 224.66 | -- | -- |
| 17.Apr.19 | 235.75 | 226.98 | -- | -- |
| 18.Apr.19 | 237.69 | 224.27 | -- | -- |
| 19.Apr.19 | 236.65 | 223.11 | -- | -- |
| 20.Apr.19 | 235.11 | 223.76 | -- | -- |
| 21.Apr.19 | 235.36 | 224.79 | 238.85 | -- |
| 22.Apr.19 | 233.43 | 222.98 | 237.94 | 227.24 |
| 23.Apr.19 | 234.72 | 222.34 | 238.33 | 226.72 |
| 24.Apr.19 | 233.82 | 219.5 | 238.59 | 225.69 |
| 25.Apr.19 | 234.33 | 222.85 | 238.46 | 225.56 |
| 26.Apr.19 | 233.82 | 220.92 | 238.85 | 226.85 |
| 27.Apr.19 | 232.78 | 219.11 | 237.81 | 224.27 |
| 28.Apr.19 | 233.43 | 219.89 | 239.75 | 225.95 |
| 29.Apr.19 | 234.46 | 218.98 | 238.85 | 221.69 |
| 30.Apr.19 | 233.3 | 218.6 | 237.69 | 222.08 |

## 17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING APRIL 2019

**All figures in kV**

| Date | 400kV Bamnauli Grid Sub-Station | | | | |
|---|---|---|---|---|---|
| | Max KV | Max Time | Min KV | Min Time | Average KV |
| 01.Apr.19 | 420.67 | 02:36:57 | 402.14 | 18:57:29 | 411.83 |
| 02.Apr.19 | 423.01 | 04:01:10 | 402.14 | 19:16:03 | 412.73 |
| 03.Apr.19 | 423.01 | 04:00:44 | 401.91 | 19:23:36 | 412.3 |
| 04.Apr.19 | 419.5 | 02:22:17 | 401.91 | 19:23:50 | 410.88 |
| 05.Apr.19 | 419.73 | 02:59:01 | 402.61 | 11:21:42 | 411.63 |
| 06.Apr.19 | 420.67 | 02:50:54 | 405.19 | 19:16:56 | 412.43 |
| 07.Apr.19 | 419.73 | 04:14:38 | 405.43 | 18:56:10 | 414.17 |
| 08.Apr.19 | 421.84 | 03:52:02 | 399.57 | 19:28:54 | 410.15 |
| 09.Apr.19 | 420.43 | 04:00:55 | 401.44 | 19:32:57 | 411.32 |
| 10.Apr.19 | 420.43 | 03:34:28 | 400.27 | 19:15:00 | 410.91 |
| 11.Apr.19 | 420.2 | 08:03:22 | 400.97 | 19:09:25 | 410.63 |
| 12.Apr.19 | 421.84 | 03:49:55 | 401.44 | 19:15:47 | 410.62 |
| 13.Apr.19 | 420.67 | 08:02:29 | 397.22 | 19:14:31 | 409.78 |
| 14.Apr.19 | 421.84 | 08:10:13 | 399.8 | 19:24:45 | 412.07 |
| 15.Apr.19 | 419.5 | 08:02:46 | 394.88 | 19:06:48 | 408.53 |
| 16.Apr.19 | 423.25 | 21:28:52 | 408.48 | 11:40:00 | 415.4 |
| 17.Apr.19 | 421.37 | 04:00:33 | 403.79 | 11:37:04 | 414.1 |
| 18.Apr.19 | 423.95 | 03:49:46 | 400.5 | 19:35:49 | 414.52 |
| 19.Apr.19 | 421.84 | 01:58:29 | 400.97 | 19:23:12 | 413.8 |
| 20.Apr.19 | 421.61 | 02:59:33 | 400.5 | 19:20:15 | 413.59 |
| 21.Apr.19 | 422.78 | 08:03:17 | 402.14 | 19:25:28 | 415.04 |
| 22.Apr.19 | 418.32 | 03:45:30 | 399.33 | 18:54:52 | 410.09 |
| 23.Apr.19 | 420.67 | 08:04:23 | 398.63 | 22:37:06 | 409.64 |
| 24.Apr.19 | 419.73 | 08:01:47 | 397.45 | 22:16:19 | 409.13 |
| 25.Apr.19 | 420.2 | 08:02:30 | 396.75 | 22:22:22 | 406.62 |
| 26.Apr.19 | 419.73 | 08:05:14 | 396.99 | 19:36:16 | 408.77 |
| 27.Apr.19 | 418.32 | 08:05:58 | 393.23 | 19:47:49 | 407.02 |
| 28.Apr.19 | 421.61 | 08:02:31 | 395.58 | 19:27:53 | 409.65 |
| 29.Apr.19 | 418.56 | 07:08:44 | 389.72 | 22:23:27 | 407.56 |
| 30.Apr.19 | 416.68 | 08:01:58 | 390.89 | 23:07:00 | 404.99 |

**All figures in kV**

| Date | 400kV Bawana Grid Sub-Station | | | | |
|---|---|---|---|---|---|
| | Max KV | Max Time | Min KV | Min Time | Average KV |
| 01.Apr.19 | 427.94 | 02:21:46 | 409.65 | 18:56:01 | 419.36 |
| 02.Apr.19 | 427.94 | 03:37:17 | 409.88 | 19:15:54 | 419.62 |
| 03.Apr.19 | 428.41 | 03:00:23 | 410.35 | 19:13:13 | 419.05 |
| 04.Apr.19 | 425.36 | 08:00:34 | 410.12 | 19:23:24 | 418.15 |
| 05.Apr.19 | 425.59 | 02:57:09 | 410.35 | 11:37:16 | 418.15 |
| 06.Apr.19 | 425.36 | 02:51:19 | 411.29 | 19:11:23 | 418.37 |
| 07.Apr.19 | 425.59 | 04:17:10 | 413.4 | 18:50:22 | 420.8 |
| 08.Apr.19 | 427.47 | 03:40:22 | 408.01 | 19:15:02 | 418.22 |
| 09.Apr.19 | 426.53 | 04:00:22 | 408.94 | 19:33:02 | 418.73 |
| 10.Apr.19 | 426.06 | 03:21:18 | 407.54 | 19:07:21 | 418.29 |
| 11.Apr.19 | 426.3 | 08:04:52 | 407.77 | 19:15:01 | 417.75 |
| 12.Apr.19 | 426.3 | 08:02:12 | 410.12 | 20:21:02 | 417.85 |
| 13.Apr.19 | 426.53 | 08:02:25 | 405.43 | 19:13:05 | 417.31 |
| 14.Apr.19 | 426.77 | 08:10:15 | 407.54 | 19:24:14 | 418.89 |
| 15.Apr.19 | 425.12 | 08:04:15 | 403.08 | 19:23:55 | 415.18 |
| 16.Apr.19 | 427.47 | 01:30:22 | 414.57 | 18:50:22 | 421.59 |
| 17.Apr.19 | 427.7 | 04:00:41 | 413.17 | 19:22:24 | 421.59 |
| 18.Apr.19 | 429.58 | 03:49:10 | 406.6 | 19:30:13 | 420.72 |
| 19.Apr.19 | 427.23 | 03:29:30 | 404.25 | 19:24:42 | 418.66 |
| 20.Apr.19 | 426.3 | 13:04:16 | 405.66 | 19:20:46 | 418.52 |
| 21.Apr.19 | 426.53 | 08:19:32 | 407.54 | 19:25:11 | 419.18 |
| 22.Apr.19 | 423.95 | 08:03:12 | 404.25 | 18:54:51 | 415.61 |
| 23.Apr.19 | 424.42 | 08:04:42 | 403.32 | 19:24:41 | 414.91 |
| 24.Apr.19 | 422.78 | 08:02:02 | 403.79 | 23:06:24 | 413.8 |
| 25.Apr.19 | 424.19 | 08:02:22 | 403.32 | 19:23:01 | 412.69 |
| 26.Apr.19 | 423.72 | 08:06:02 | 403.79 | 19:33:21 | 414.32 |
| 27.Apr.19 | 423.01 | 13:02:36 | 398.39 | 19:38:02 | 412.36 |
| 28.Apr.19 | 424.19 | 08:03:32 | 401.68 | 19:30:23 | 414.8 |
| 29.Apr.19 | 423.01 | 08:02:22 | 397.22 | 23:09:54 | 413.07 |
| 30.Apr.19 | 420.9 | 08:03:12 | 396.28 | 23:09:35 | 409.74 |

## 20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF APRIL 2019

| SL NO | OCCURRENCE OF BREAK-DOWN | | DETAILS OF THE BREAKDOWN | TIME OF RESTORATION | | REMARKS |
|---|---|---|---|---|---|---|
| | DATE | TIME | | DATE | TIME | |
| 1 | 4.4.19 | 12:53 | 220kV NARELA - MANDOLA CKT-II | 4.4.19 | 19:29 | AT MANDOLA : DIST PROT, DIST 23.8KM. |
| 2 | 4.4.19 | 12:53 | 220kV NARELA - MANDOLA CKT-I | 4.4.19 | 19:29 | AT MANDOLA : DIST PROT, DIST 23.8KM. |
| 3 | 4.4.19 | 12:54 | 220kV DSIIDC BAWANA-NARELA CKT-II | 4.4.19 | 15:46 | AT NARELA : 86 |
| 4 | 4.4.19 | 12:54 | 220kV DSIIDC BAWANA-NARELA CKT-I | 4.4.19 | 18:04 | AT NARELA : 86. |
| 5 | 4.4.19 | 12:54 | NARELA 220/66kV 100MVA Tx-III | 4.4.19 | 17:25 | 86 |
| 6 | 4.4.19 | 12:55 | MEHRAULI 66/11kV, 20MVA Tx-I | 4.4.19 | 00:00 | TRIPPED WITHOUT INDICATION. |
| 7 | 4.4.19 | 13:45 | MEHRAULI 66/11kV, 20MVA Tx-II | 4.4.19 | 13:55 | WITHOUT INDICATION. |
| 8 | 6.4.19 | 20:38 | 220 KV GOPALPUR-WAZIRABAD CKT - 1 | 7.4.19 | 00:00 | AT GOPALPUR : TRIPPED ON DIFFERENTIAL C PHASE. |
| 9 | 7.4.19 | 22:20 | 220kV MUNDKA-KANJHAWALA CKT | 7.4.19 | 22:48 | AT MUNDKA : DIST PROT, ZONE-II, DIST 19.39KM |
| 10 | 7.4.19 | 23:55 | 220kV BAWANA-DSIIDC BAWANA CKT-I | 7.4.19 | 23:59 | AT DSIDC : DIFFERENTIAL, Y PHASE. |
| 11 | 12.4.19 | 13:07 | 220kV GOPALPUR- MANDOLACKT-II | 12.4.19 | 15:38 | SUPPLY FAIL FROM MANDOLA. |
| 12 | 12.4.19 | 13:07 | 220kV GOPALPUR- MANDOLACKT-I | 12.4.19 | 00:00 | SUPPLY FAIL FROM MANDOLA. |
| 13 | 15.4.19 | 10:55 | MEHRAULI 66/11kV, 20MVA Tx-II | 15.4.19 | 00:00 | TRIPPED WITHOUT INDICATION. |
| 14 | 15.4.19 | 13:17 | 220kV GOPALPUR- MANDOLACKT-II | 15.4.19 | 15:02 | AT GOPALPUR : DIST PROT, ZONE-III, DIST 36.4KM, 86. AT MANDOLA : 86B |
| 15 | 16.4.19 | 00:06 | 220KVBAWANA- ROHINI CKT-II | 16.4.19 | 01:05 | AT ROHINI-I : 186A&B, AUTO RECLOSE. AT BAWANA : 186A, AUTO RECLOSE. |
| 16 | 15.4.19 | 14:37 | LODHI RD 220/33kV 100MVA Tx-II | 15.4.19 | 15:22 | 86A&B. |
| 17 | 16.4.19 | 06:00 | OKHLA 220/33kV 100MVA Tx-IV | 16.4.19 | 07:05 | 86 |
| 18 | 16.4.19 | 06:00 | OKHLA 220/33kV 100MVA Tx-III | 16.4.19 | 06:15 | E/F |
| 19 | 16.4.19 | 06:00 | OKHLA 220/33kV 100MVA Tx-V | 16.4.19 | 07:05 | E/F |
| 20 | 16.4.19 | 08:13 | SHALIMAR BAGH 220/33kV 100MVA Tx-I | 16.4.19 | 09:45 | HOT POINT. |
| 21 | 20.4.19 | 04:04 | 220kV OKHLA - BTPS CKT.- I | 20.4.19 | 00:00 | AT OKHLA : DIST PROT, DIST 1.619KM, CB BLAST. AT BTPS : DIST PROT, ZONE-I, Y PHSAE TRIP, DIST 6.9KM, |
| 22 | 20.4.19 | 04:04 | 220kV OKHLA - BTPS CKT. - II | 20.4.19 | 00:00 | AT BTPS : DIST PROT, ZONE-I, DIST 6.66KM. |
| 23 | 24.4.19 | 16:45 | OKHLA 220/33kV 100MVA Tx-V | 24.4.19 | 17:23 | E/F |
| 24 | 24.4.19 | 17:57 | NARELA 220/66kV 100MVA Tx-II | 24.4.19 | 18:35 | 86 |
| 25 | 25.4.19 | 00:12 | MUNDKA 400/220kV 315MVA ICT-II | 25.4.19 | 01:53 | 86A, 86B, TRIP SUPERVISION, RYB PHASE, 195ABC. |
| 26 | 26.4.19 | 07:33 | INDRAPRASTHA POWER 220/33kV 100MVA Tx-I | 26.4.19 | 07:58 | 86 |
| 27 | 26.4.19 | 12:41 | 220kV BAMNAULI-NAJAFGARH CKT-II | 26.4.19 | 13:20 | AT BAMNAULI : DIST PROT, ZONE-I, ABC. |
| 28 | 26.4.19 | 14:00 | MUNDKA 400/220kV 315MVA ICT-II | 26.4.19 | 19:18 | O/C |
| 29 | 27.4.19 | 02:55 | 220kV SARITA VIHAR - BTPS CKT.-I | 27.4.19 | 11:25 | 95C. |
| 30 | 27.4.19 | 13:20 | 220kV ROHINI-SHALIMARBAGH CKT-I | 27.4.19 | 14:28 | 186ABC, RYB PHASE. |
| 31 | 27.4.19 | 13:50 | 220kV GOPALPUR- MANDOLACKT-I | 27.4.19 | 15:27 | AT MANDOLA : DIST PROT, DIST 10.97KM. |
| 32 | 27.4.19 | 13:55 | 220kV SARITA VIHAR - BTPS CKT.-II | 27.4.19 | 14:09 | AT BTPS : LBB, BUS BAR PROT. |
| 33 | 27.4.19 | 16:45 | WAZIRABAD 66/11kV, 20MVA Tx-IV | 27.4.19 | 23:30 | 86 |
| 34 | 29.4.19 | 02:28 | 220KV BAWANA-SHALIMARBAGH CKT-I | 29.4.19 | 00:00 | AT SHALIMARBAGH 86, E/F |
| 35 | 29.4.19 | 05:18 | NARELA 220/66kV 100MVA Tx-I | 29.4.19 | 06:40 | 186 |
| 36 | 30.4.19 | 10:31 | 220KV BAWANA-SHALIMARBAGH CKT-II | 30.4.19 | 14:14 | AT SHALIMARBAGH : DIST PROT, DIST 56KM, E/F, 86 AT BAWANA : O/C, B PHASE AUTO RECLOSE. |

## 20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF APRIL 2019

| DATE | S. N. | TIME | | Name of Grid | NAME OF AFFECTED FEEDERS | MODE | LOAD RELIEF IN MW |
|---|---|---|---|---|---|---|---|
| | | OUT | IN | | | | |
| | | | | | | | |
| | | | | NIL | | | |
| | | | | | | | |
| | | | | | | | |