# DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

# PROGRESS REPORT

**********

JANUARY 2012

1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

| Sr. No. | Features | JANUARY 2012 | JANUARY 2011 |
|---|---|---|---|
| 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 | 705 |
| | Rithala GT | 108 | 73 |
| | Total | 1548 | 1513 |
| **2** | **Maximum Unrestricted Demand (MW)** | **3934** | **4114** |
| | Date | 20.01.2012 | 10.01.2011 |
| | Time | 10.01.16 | 10.31.41 |
| **3** | **Peak Demand met (MW)** | **3934** | **4111** |
| | Date | 20.01.2012 | 10.01.2011 |
| | Time | 10.01.16 | 10.31.41 |
| 4 | Peak Availability (MW) | 3675 | 3936 |
| 5 | Shortage (-) / Surplus (+) in MW | (-) 259 | (-)175 |
| 6 | Percentage Shortage (-) / Surplus (+) | (-)6.58 | (-)4.26 |
| 7 | Maximum Energy Consume in a day (Mus) | 69.264 | 67.059 |
| 8 | Energy Consumed during the month | **1916.798** | **1839.595** |
| **9** | **Load Shedding in Mus** | | |
| A) | Due to Grid Restrictions | | |
| i) | Under Frequency Relay Operations | 0.021 | 0.000 |
| ii) | Manual Load shedding from DTL S/Stns. | 0.000 | 0.000 |
| iii) | Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation | | |
| | NDPL | 0.256 | 0.988 |
| | BRPL | 1.175 | 0.854 |
| | BYPL | 0.859 | 0.131 |
| | NDMC | 0.000 | 0.000 |
| | MES | 0.000 | 0.000 |
| iv) | Due to transmission Constraints in Central Sector | 0.000 | 0.070 |
| | **Total due to Grid Restriction** | **2.311** | **2.043** |
| B) | Due to Constraints in System in Mus | | |
| | DTL | 2.288 | 0.337 |
| | NDPL | 0.288 | 0.249 |
| | BRPL | 0.268 | 0.422 |
| | BYPL | 0.044 | 0.580 |
| | NDMC | 0.000 | 0.001 |
| | MES | 0.000 | 0.000 |
| | Other Agencies | 2.423 | 0.001 |
| | **Total** | **5.311** | **1.590** |
| **11** | **Grand Total in Mus** | **7.622** | **3.633** |

## 2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2012

### A) For the month of JANUARY 2012

**All Figures in MUs**

| S. No | Stations | Gross Generation | Aux. Consumption | Net Generation | Availability (%) | Backing Down |
|---|---|---|---|---|---|---|
| **1.** | **RPH** | 55.234 | 6.888 | 48.346 | 53.26 | 0 |
| **2.** | **GT** | 117.983 | 3.611 | 114.372 | 90.56 | 62.68 |
| **3.** | **PPCL** | 229.268 | 5.303 | 223.965 | 98.33 | 10.505 |
| **4.** | **BTPS** | 450.677 | 9.210 | 441.467 | 98.24 | 59.398 |
| **5.** | **Rithala** | 13.302 | 0.386 | 12.916 | -- | -- |
| **6.** | **Bawana** | 52.768 | 0.832 | 51.936 | 40.52 | 13.82 |
| | **TOTAL** | **919.232** | **26.23** | **893.002** | | |

### B) For the Year 2011-12 (Upto JANUARY 2012)

| Power Station | Effective Capacity (MW) | Net Generation in MUs For JAN 2012 | Availability (%) For JAN. 2012 | PLF (%) For JAN. 2012 | Cumulative Generation in MUs upto JAN. 2012 for the year 2011-12 | Cumulative Availability in % upto JAN. 2012 for the year 2011-12 | Cumulative PLF in % upto JAN. 2012 for the year 2011-12 |
|---|---|---|---|---|---|---|---|
| **RPH** | 135 | 48.346 | 53.26 | 53.26 | 673.587 | 67 | 66.92 |
| **GT** | 270 | 114.372 | 90.56 | 58.39 | 1117.743 | 77.40 | 55.46 |
| **PPCL** | 330 | 223.965 | 98.33 | 93.92 | 2127.891 | 97.78 | 93.38 |
| **BTPS** | 705 | 441.467 | 98.24 | 85.73 | 3640.405 | 84.45 | 75.68 |
| **Rithala** | 108 | 12.916 | -- | -- | 207.650 | -- | -- |
| **Bawana** | **216** | 51.936 | 40.52 | 32.11 | 88.177 | 44.63 | 35.86 |
| **TOTAL** | **1764** | 893.002 | | | **7855.453** | | |

## 3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2010

### (A) RPH STATION

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **1** | **67.5** | 11.05.11 | 20.11 | 11.05.11 | 21.28 | Flash in yard |
| | | 21.05.11 | 01.53 | 21.05.11 | 05.25 | Tripped alongwith tripping of associated transmission lines |
| | | 22.05.11 | 23.00 | 23.05.11 | 01.55 | Boiler flame failure |
| | | 31.05.11 | 12.35 | 02.06.11 | 03.03 | Condenser tube leakage |
| | | 10.06.11 | 05.40 | 10.06.11 | 12.32 | UAT abnormality |
| | | 10.06.11 | 12.45 | 10.06.11 | 13.00 | UAT abnormality |
| | | 03.07.11 | 11.40 | 06.07.11 | 17.19 | Due to fire in 220/33kV 100MVA Pr. Tr. |
| | | 10.07.11 | 21.30 | 28.07.11 | 10.08 | Tripped alongwith tripping of associated transmission lines |
| | | 30.07.11 | 14.50 | 31.07.11 | 24.00 | Moisture in IBT -2 |
| | | 06.08.11 | 06.32 | 08.08.11 | 01.31 | Desynchronization due to moisture in 220kV Pr. Tr. |
| | | 15.08.11 | 14.17 | 15.08.11 | 21.20 | Stopped due to low demand and high frequency. |
| | | 25.08.11 | 18.07 | 27.08.11 | 4.17 | Boiler tube leakage |
| | | 01.09.11 | 11.41 | 01.09.11 | 12.52 | Turbine tripped |
| | | 02.09.11 | 04.22 | 12.09.11 | 05.20 | Boiler tube leakage |
| | | 13.09.11 | 07.05 | 13.09.11 | 09.01 | Boiler flame failure |
| | | 15.09.11 | 12.01 | 15.09.11 | 13.12 | Boiler flame failure |
| | | 15.09.11 | 12.45 | 16.09.11 | 00.09 | Boiler flame failure |
| | | 16.09.11 | 17.03 | 18.09.11 | 17.50 | Stopped due to wet coal |
| | | 19.09.11 | 00.10 | 19.09.11 | 01.28 | Boiler flame failure |
| | | 21.09.11 | 03.46 | 21.09.11 | 04.50 | Boiler flame failure |
| | | 02.10.11 | 12.33 | 02.10.11 | 12.54 | High furnance pressure |
| | | 04.10.11 | 18.16 | 05.10.11 | 07.53 | Leakage in boiler durm |
| | | 17.10.11 | 18.23 | 17.10.11 | 20.50 | C&I Fault |
| | | 19.10.11 | 09.42 | 19.10.11 | 10.40 | Furnance pressure high |
| | | 19.10.11 | 13.20 | 23.10.11 | 02.08 | Boiler tube leakage |
| | | 23.10.11 | 15.58 | 23.10.11 | 16.35 | Durm level very low |
| | | 01.11.11 | 13.03 | 01.11.11 | 13.35 | Due to tripping of bay No. 9 |
| | | 10.11.11 | 09.55 | 10.11.11 | 12.42 | C & I Problem |
| | | 11.11.11 | 11.27 | 11.11.11 | 13.18 | Due to tripping of bay No. 2 |
| | | 11.11.11 | 13.33 | 11.11.11 | 17.19 | Turbine problem |
| | | 15.11.11 | 21.35 | 26.11.11 | 23.05 | Boiler tube leakage |
| | | 05.12.11 | 22.08 | 06.12.11 | 08.07 | Grid Disturbance |
| | | 06.12.11 | 08.58 | 06.12.11 | 09.32 | Boiler flame failure |
| | | 12.12.11 | 11.47 | 12.12.11 | 12.44 | Both FD fans tripped |
| | | 12.12.11 | 22.21 | 19.12.11 | 16.32 | Boiler tube leakage |
| | | 24.12.11 | 17.10 | 24.12.11 | 17.35 | Flame failure |
| | | 24.12.11 | 20.15 | 29.12.11 | 21.16 | Boiler tube leakage |
| | | 04.01.12 | 14.06 | 21.01.12 | 21.50 | Flame failure |
| | | 23.01.12 | 21.35 | 27.01.12 | 01.28 | Very low furnance pressure |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| | | | | | | |
| **2** | **67.5** | 03.04.11 | 23.45 | 04.04.11 | 01.40 | Turbine shaft vibration high |
| | | 28.04.11 | 06.38 | 28.04.11 | 15.27 | To attend hot spot on 33kV Breaker |
| | | 21.05.11 | 01.53 | 21.05.11 | 07.32 | Tripped alongwith tripping of associated transmission lines |
| | | 22.05.11 | 21.14 | 22.05.11 | 22.00 | FD fan tripping |
| | | 26.05.11 | 12.10 | 26.05.11 | 13.00 | Low boiler drum level |
| | | 31.05.11 | 23.15 | 01.06.11 | 08.12 | Condenser tube leakage |
| | | 02.06.11 | 11.07 | 04.06.11 | 11.14 | Boiler tube leakage |
| | | 04.06.11 | 16.50 | 04.06.11 | 17.50 | Tripped on jerk |
| | | 04.06.11 | 18.18 | 04.06.11 | 20.12 | Feed pump problem |
| | | 03.07.11 | 11.40 | 06.07.11 | 10.37 | Due to fire in 220/33kV 100MVA Pr. Tr. |
| | | 10.07.11 | 13.53 | 27.07.11 | 05.10 | Due to IBT-I, protection relay operated |
| | | 27.07.11 | 11.38 | 27.07.11 | 21.04 | Due to tripping of bay no. 17 |
| | | 30.07.11 | 14.50 | 31.07.11 | 03.45 | Moisture in IBT -2 |
| | | 06.08.11 | 07.00 | 08.08.11 | 00.10 | Desynchronization due to moisture in 220kV Pr. Tr. |
| | | 15.08.11 | 14.21 | 15.08.11 | 22.00 | Stopped due to low demand and high frequency. |
| | | 20.08.11 | 00.31 | 20.08.11 | 01.20 | Boiler flame failure |
| | | 30.08.11 | 00.24 | 31.08.11 | 24.00 | Boiler tube leakage |
| | | 31.08.11 | 00.00 | 01.09.11 | 08.38 | Boiler tube leakage |
| | | 10.09.11 | 00.08 | 12.09.11 | 05.00 | Coal handling plant problem |
| | | 13.09.11 | 03.50 | 13.09.11 | 05.00 | Electrical fault |
| | | 25.09.11 | 10.57 | 25.09.11 | 11.30 | Turbine vibration |
| | | 30.09.11 | 22.14 | 03.10.11 | 06.00 | Boiler tube leakage |
| | | 01.11.11 | 13.03 | 01.11.11 | 13.50 | Due to tripping of bay no. 19 |
| | | 03.11.11 | 20.16 | 03.11.11 | 13.45 | Turbine problem |
| | | 08.11.11 | 21.05 | 11.11.11 | 00.13 | Boiler tube leakage |
| | | 11.11.11 | 11.27 | 11.11.11 | 14.16 | Due to tripping of bay no. 2 |
| | | 16.11.11 | 16.10 | 16.11.11 | 16.50 | Electrical fault |
| | | 17.11.11 | 09.36 | 17.11.11 | 10.05 | Turbine tripped |
| | | 25.11.11 | 12.35 | 25.11.11 | 13.23 | |
| | | 30.11.11 | 20.58 | 30.11.11 | 22.55 | Turbine vibration high |
| | | 30.11.11 | 23.12 | 01.12.11 | 03.35 | |
| | | 01.01.11 | 10.06 | 01.12.11 | 10.33 | |
| | | 05.12.11 | 22.08 | 06.12.11 | 05.22 | Grid disturbance |
| | | 07.12.11 | 13.08 | 07.12.11 | 14.07 | Due to tripping of Pr. Tr. |
| | | 05.01.12 | 06.02 | 05.01.12 | 12.30 | Tripped on jerk |
| | | 16.01.12 | 14.54 | 17.01.12 | 01.10 | Electrical fault |

**(B) Gas Turbine**

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 30 | 01.04.11 | 00.00 | 11.04.11 | 20.25 | Machine stopped as generation available in open cycle mode |
| | | 12.04.11 | 00.02 | 12.04.11 | 18.25 | |
| | | 16.04.11 | 17.17 | 17.04.11 | 10.15 | |
| | | 17.04.11 | 17.02 | 22.04.11 | 11.10 | Machine stopped due to low demand |
| | | 30.04.11 | 12.20 | 05.05.11 | 00.45 | Machine stopped as generation available in open cycle mode |
| | | 15.05.11 | 06.15 | 16.05.11 | 23.50 | |
| | | 17.05.11 | 08.37 | 17.05.11 | 17.29 | Machine stopped as generation available on spot RLNG |
| | | 21.05.11 | 12.13 | 21.05.11 | 16.36 | Stopped due to low demand and high frequency. |
| | | 02.06.11 | 09.32 | 03.06.11 | 10.25 | |
| | | 08.06.11 | 20.35 | 09.06.11 | 00.34 | Electrical trouble |
| | | 17.06.11 | 01.02 | 18.06.11 | 01.22 | Machine stopped as generation available in open cycle mode |
| | | 19.06.11 | 07.04 | 21.06.11 | 03.05 | |
| | | 26.06.11 | 12.20 | 27.06.11 | 11.26 | Stopped due to low demand and high frequency. |
| | | 30.06.11 | 11.50 | 02.07.11 | 20.29 | |
| | | 08.07.11 | 23.05 | 10.07.11 | 16.42 | |
| | | 07.08.11 | 21.40 | 17.08.11 | 11.40 | Machine stopped as generation available on spot RLNG |
| | | 20.08.11 | 12.20 | 20.08.11 | 22.00 | Machine stopped as per SLDC message to maintain only 109 MW |
| | | 20.08.11 | 22.00 | 21.085.11 | 18.30 | Machine is not available due to problem in Excitation |
| | | 21.08.11 | 18.30 | 22.08.11 | 15.58 | Machine stopped as generation available on spot RLNG |
| | | 23.08.11 | 14.15 | 25.08.11 | 12.40 | |
| | | 31.08.11 | 14.32 | 31.08.11 | 15.36 | Stopped to attend lube oil leakage |
| | | 03.09.11 | 09.02 | 03.09.11 | 10.30 | Stopped due to low demand and high frequency. |
| | | 03.09.11 | 13.05 | 03.09.11 | 13.35 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 04.09.11 | 02.47 | 06.09.11 | 17.20 | Stopped due to low demand and high frequency. |
| | | 11.09.11 | 22.05 | 14.09.11 | 20.36 | Machine stopped as generation available on spot RLNG |
| | | 15.09.11 | 01.14 | 19.09.11 | 11.55 | Machine stopped as generation available on spot open cycle mode |
| | | 20.09.11 | 01.15 | 20.09.11 | 13.40 | |
| | | 21.09.11 | 01.32 | 21.09.11 | 17.16 | |
| | | 22.09.11 | 00.02 | 22.09.11 | 08.42 | |
| | | 23.09.11 | 00.35 | 24.09.11 | 10.47 | |
| | | 25.09.11 | 00.02 | 26.09.11 | 10.10 | |
| | | 27.09.11 | 00.20 | 27.09.11 | 08.40 | |
| | | 27.09.11 | 15.15 | 27.09.11 | 15.25 | Machine came on FSNL during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated . |
| | | 28.09.11 | 01.10 | 28.09.11 | 08.52 | Machine stopped as generation available on spot open cycle mode |
| | | 29.09.11 | 02.10 | 29.09.11 | 10.57 | |
| | | 30.09.11 | 00.12 | 30.09.11 | 10.20 | |
| | | 30.09.11 | 23.50 | 01.10.11 | 19.38 | |
| | | 01.10.11 | 23.04 | 03.10.11 | 10.45 | |
| | | 03.10.11 | 23.59 | 04.10.11 | 10.54 | |
| | | 08.10.11 | 23.59 | 09.10.11 | 08.37 | Machine stopped due to swapping of gas to PPCL |
| | | 25.10.11 | 00.50 | 25.10.11 | 05.58 | Machine stopped as generation available on spot RLNG |
| | | 25.10.11 | 07.45 | 25.10.11 | 10.17 | Machine tripped on rotating diode earth fault |
| | | 07.11.11 | 02.05 | 07.11.11 | 08.14 | Machine stopped to maintain only 115 MW load due to overloading of Pragati- Maharani bagh ckt . |
| | | 07.11.11 | 22.17 | 07.11.11 | 23.31 | Tripped due to tripping of 2 MVA Tx-I |
| | | 08.11.11 | 00.45 | 12.11.11 | 18.06 | Machine stopped as generation available on spot RLNG |
| | | 12.11.11 | 20.02 | 13.11.11 | 18.02 | |
| | | 20.11.11 | 03.15 | 20.11.11 | 09.40 | Stopped due to high TAD |
| | | 26.11.11 | 15.02 | 30.11.11 | 10.20 | Machine stopped as generation available on spot RLNG |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 30 | 07.12.11 | 03.35 | 08.12.11 | 00.50 | Machine stopped as generation available on spot RLNG |
| | | 13.12.11 | 00.05 | 13.12.11 | 05.46 | |
| | | 16.12.11 | 01.30 | 16.12.11 | 08.43 | |
| | | 16.12.11 | 22.30 | 17.12.11 | 06.20 | |
| | | 18.12.11 | 23.06 | 21.12.11 | 12.55 | |
| | | 23.12.11 | 00.02 | 23.12.11 | 09.50 | |
| | | 23.12.11 | 22.05 | 24.12.11 | 08.55 | |
| | | 25.12.11 | 01.20 | 25.12.11 | 07.10 | |
| | | 25.12.11 | 17.05 | 27.12.11 | 05.40 | |
| | | 28.12.11 | 00.02 | 28.12.11 | 05.48 | |
| | | 28.12.11 | 22.19 | 29.12.11 | 09.48 | |
| | | 29.12.11 | 14.02 | 30.12.11 | 06.40 | |
| | | 31.12.11 | 00.45 | 31.12.11 | 08.50 | |
| | | 31.12.11 | 19.55 | 02.01.11 | 06.25 | |
| | | 05.01.12 | 03.22 | 05.01.12 | 11.45 | Stopped along with STG#1 due to high TAD. |
| | | 05.01.12 | 18.02 | 07.01.12 | 07.55 | Machine stopped as generation available on spot RLNG |
| | | 08.01.12 | 00.05 | 09.01.12 | 07.55 | |
| | | 10.01.12 | 01.46 | 10.01.12 | 06.41 | |
| | | 10.01.12 | 23.55 | 11.01.12 | 06.55 | |
| | | 11.01.12 | 19.02 | 12.01.12 | 09.25 | |
| | | 16.01.12 | 00.28 | 20.01.12 | 07.40 | |
| | | 20.01.12 | 10.30 | 24.01.12 | 14.15 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 30 | 01.04.11 | 00.00 | 11.04.11 | 21.37 | Machine stopped as generation is available in open cycle mode. |
| | | 12.04.11 | 00.02 | 12.04.11 | 20.27 | |
| | | 12.04.11 | 21.00 | 21.04.11 | 12.48 | |
| | | 24.04.11 | 23.35 | 25.04.11 | 05.20 | Machine tripped on high vibration |
| | | 30.04.11 | 18.15 | 05.05.11 | 19.45 | Due to swapping of gas to PPCL. |
| | | 13.05.11 | 16.02 | 13.05.11 | 18.10 | High exhaust temp spread. |
| | | 15.05.11 | 06.18 | 15.05.11 | 21.35 | Stopped due to low demand and high frequency. |
| | | 21.05.11 | 12.13 | 21.05.11 | 12.55 | |
| | | 15.06.11 | 07.35 | 15.06.11 | 08.25 | Loss of flame |
| | | 15.06.11 | 17.40 | 15.06.11 | 18.40 | Loss of flame |
| | | 15.06.11 | 22.10 | 16.06.11 | 03.22 | Loss of flame |
| | | 18.06.11 | 02.02 | 20.06.11 | 17.35 | Machine stopped as generation available in open cycle mode |
| | | 02.07.11 | 21.12 | 03.07.11 | 16.10 | |
| | | 08.07.11 | 23.02 | 10.07.11 | 19.27 | |
| | | 06.08.11 | 00.05 | 07.08.11 | 15.50 | Machine stopped as generation available on spot RLNG |
| | | 07.08.11 | 23.10 | 16.08.11 | 12.20 | |
| | | 17.08.11 | 14.30 | 17.08.11 | 19.00 | |
| | | 03.09.11 | 11.05 | 03.09.11 | 17.05 | Machine stopped as generation available on spot RLNG |
| | | 11.09.11 | 22.05 | 12.09.11 | 21.58 | |
| | | 13.09.11 | 00.02 | 14.09.11 | 17.45 | |
| | | 15.09.11 | 01.04 | 19.09.11 | 11.56 | Machine stopped as generation available in open cycle mode |
| | | 20.09.11 | 01.15 | 20.09.11 | 13.14 | |
| | | 21.09.11 | 01.32 | 21.09.11 | 17.20 | |
| | | 22.09.11 | 00.02 | 22.09.11 | 08.27 | |
| | | 23.09.11 | 01.02 | 24.09.11 | 10.40 | |
| | | 25.09.11 | 00.02 | 26.09.11 | 09.45 | |
| | | 27.09.11 | 00.10 | 27.09.11 | 08.48 | |
| | | 28.09.11 | 01.05 | 28.09.11 | 08.40 | |
| | | 29.09.11 | 02.02 | 29.09.11 | 10.55 | |
| | | 30.09.11 | 00.12 | 30.09.11 | 10.20 | |
| | | 30.09.11 | 23.50 | 01.10.11 | 19.10 | |
| | | 01.10.11 | 23.06 | 03.10.11 | 10.50 | |
| | | 03.10.11 | 23.59 | 04.10.11 | 10.50 | |
| | | 16.10.11 | 13.03 | 16.10.11 | 07.12 | Tripped on condensate level high trip alarm & reverse power on protection pannel |
| | | 07.11.11 | 02.05 | 07.11.11 | 08.05 | Machine stopped as generation available on spot RLNG |
| | | 20.11.11 | 05.55 | 20.11.11 | 09.32 | Machine stopped as generation available in open cycle mode |
| | | 26.11.11 | 18.41 | 29.11.11 | 10.14 | Machine stopped as generation available on spot RLNG |
| | | 30.11.11 | 10.15 | 30.11.11 | 14.00 | Machine tripped on combined cycle trip alarm |
| | | 30.11.11 | 14.00 | 30.11.11 | 17.35 | Machine stopped as generation available on spot RLNG |
| | | 08.12.11 | 17.10 | 09.12.11 | 07.56 | |
| | | 14.12.11 | 00.55 | 14.12.11 | 05.58 | |
| | | 14.12.11 | 22.31 | 15.12.11 | 13.15 | |
| | | 16.12.11 | 22.45 | 17.12.11 | 10.13 | |
| | | 19.12.11 | 03.35 | 19.12.11 | 15.20 | Tripped on TAD very high. |
| | | 24.12.11 | 19.52 | 25.12.11 | 00.35 | Tripped on high exhaust temp. spread. |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **2** | **30** | 03.01.12 | 12.10 | 05.01.12 | 11.04 | Machine stopped as generation available on spot RLNG |
| | | 17.01.12 | 06.32 | 18.01.12 | 10.25 | |
| | | 22.01.12 | 00.01 | 23.01.12 | 08.36 | |
| | | 24.01.12 | 22.20 | 25.01.12 | 07.25 | Stopped due to low demand and high frequency |
| | | 27.01.12 | 20.01 | 28.01.12 | 00.40 | |
| | | 28.01.12 | 16.15 | 31.01.12 | 23.59 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 3 | 30 | 11.04.11 | 11.25 | 11.04.11 | 20.41 | Due to failure of Auxiliary supply. |
| | | 12.04.11 | 00.02 | 12.04.11 | 18.35 | Machine stopped as generation available on open cycle mode |
| | | 12.04.11 | 21.10 | 13.04.11 | 09.40 | |
| | | 16.04.11 | 03.50 | 17.04.11 | 21.27 | |
| | | 19.04.11 | 00.02 | 19.04.11 | 05.52 | Due to low demand and high frequency. |
| | | 20.04.11 | 00.02 | 20.04.11 | 05.52 | |
| | | 28.04.11 | 02.05 | 28.04.11 | 13.55 | Due to swapping of gas to PPCL. |
| | | 04.05.11 | 01.32 | 04.05.11 | 11.50 | Machine stopped as generation available on spot RLNG |
| | | 08.05.11 | 03.16 | 08.05.11 | 22.44 | Stopped due to low demand and high frequency. |
| | | 09.05.11 | 21.45 | 10.05.11 | 15.37 | |
| | | 10.05.11 | 15.37 | 10.05.11 | 20.15 | Electrical trouble |
| | | 10.05.11 | 20.15 | 11.05.11 | 16.20 | Machine stopped as generation available on spot RLNG |
| | | 12.05.11 | 00.05 | 12.05.11 | 10.11 | |
| | | 17.05.11 | 18.15 | 17.05.11 | 23.59 | |
| | | 18.05.11 | 00.00 | 27.07.11 | 00.00 | Start command executed but smoke observed from the Diesel Engine |
| | | 27.07.11 | 00.00 | 27.07.11 | 12.25 | Machine stopped as generation available on spot RLNG |
| | | 27.07.11 | 19.02 | 28.07.11 | 15.00 | |
| | | 28.07.11 | 21.35 | 29.07.11 | 12.00 | |
| | | 29.07.11 | 16.40 | 30.07.11 | 01.37 | |
| | | 30.07.11 | 02.10 | 30.07.11 | 13.02 | Machine started for making the drum per 10Kg/cm sq. for passivation of boiler #3 |
| | | 30.07.11 | 14.10 | 30.07.11 | 23.32 | Machine stopped as generation available on spot RLNG |
| | | 30.07.11 | 23.58 | 31.07.11 | 23.59 | |
| | | 01.08.11 | 19.50 | 03.08.11 | 11.01 | |
| | | 13.08.11 | 05.35 | 16.08.11 | 05.20 | |
| | | 17.08.11 | 20.10 | 18.08.11 | 10.45 | |
| | | 18.08.11 | 12.32 | 18.08.11 | 17.32 | |
| | | 25.08.11 | 14.15 | 26.08.11 | 12.20 | |
| | | 03.09.11 | 09.05 | 09.09.11 | 19.35 | Machine stopped as generation available on spot RLNG |
| | | 21.09.11 | 05.02 | 21.09.11 | 13.43 | Machine stopped as generation available on open cycle mode. |
| | | 27.09.11 | 15.15 | 27.09.11 | 15.58 | Machine tripped during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated . |
| | | 27.10.11 | 15.15 | 31.10.11 | 07.12 | Stopped due to low demand and high frequency. |
| | | 03.11.11 | 02.32 | 03.11.11 | 09.27 | |
| | | 23.11.11 | 00.05 | 26.11.11 | 04.50 | Machine stopped as generation available on spot RLNG |
| | | 26.11.11 | 15.40 | 26.11.11 | 18.10 | |
| | | 08.12.11 | 23.16 | 12.09.11 | 08.06 | |
| | | 10.12.11 | 23.30 | 12.12.10 | 05.46 | |
| | | 14.12.11 | 15.15 | 15.12.11 | 12.50 | |
| | | 15.12.11 | 14.17 | 15.12.11 | 17.30 | Machine tripped on 63TP-1,Buch-1 alarm operated on protection pannel. |
| | | 18.12.11 | 20.20 | 18.12.11 | 22.30 | Machine stopped as generation available on spot RLNG |
| | | 19.12.11 | 02.15 | 19.12.11 | 12.55 | Tripped on TAD very high. |
| | | 19.12.11 | 23.25 | 20.12.11 | 14.15 | Machine stopped as generation available on spot RLNG |
| | | 21.12.11 | 14.30 | 21.12.11 | 17.50 | |
| | | 28.12.11 | 15.35 | 28.12.11 | 22.04 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **3** | **30** | 06.01.12 | 23.55 | 07.01.12 | 07.37 | |
| | | 14.01.12 | 23.00 | 18.01.12 | 10.02 | |
| | | 20.01.12 | 00.05 | 20.01.12 | 07.55 | Machine stopped as generation available on spot RLNG |
| | | 21.01.12 | 00.05 | 21.01.12 | 08.10 | |
| | | 22.01.12 | 16.47 | 22.01.12 | 21.44 | |
| | | 24.01.12 | 11.20 | 24.01.12 | 13.50 | Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure |
| | | 24.01.12 | 22.20 | 25.01.12 | 07.28 | |
| | | 25.01.12 | 18.20 | 27.01.12 | 05.48 | Stopped due to low demand and high frequency |
| | | 28.01.12 | 23.50 | 31.01.12 | 16.30 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| | | | | | | |
| **4** | **30** | 11.04.11 | 11.25 | 11.04.11 | 20.00 | Due to failure of Auxiliary supply. |
| | | 12.04.11 | 19.45 | 12.04.11 | 20.35 | Machine came on FSNL |
| | | 13.04.11 | 09.14 | 14.04.11 | 00.45 | Machine stopped as generation available on open cycle mode |
| | | 16.04.11 | 10.05 | 17.04.11 | 12.50 | Stopped due to low demand and high frequency. |
| | | 21.05.11 | 04.00 | 23.05.11 | 10.37 | |
| | | 23.05.11 | 14.25 | 26.05.11 | 14.42 | Machine stopped as generation available on spot RLNG |
| | | 26.05.11 | 18.24 | 30.05.11 | 16.05 | |
| | | 02.06.11 | 09.35 | 03.06.11 | 10.50 | Stopped due to low demand and high frequency. |
| | | 03.06.11 | 11.15 | 06.06.11 | 10.40 | |
| | | 22.06.11 | 18.02 | 23.06.11 | 02.57 | Machine stopped as generation available in open cycle mode |
| | | 16.07.11 | 14.20 | 31.07.11 | 23.59 | Machine stopped as generation available on spot RLNG |
| | | 01.08.11 | 00.00 | 05.08.11 | 12.17 | |
| | | 11.08.11 | 06.58 | 11.08.11 | 09.05 | Machine tripped on loss of flame |
| | | 12.08.11 | 04.40 | 12.08.11 | 05.35 | Machine tripped on high TAD |
| | | 12.08.11 | 06.52 | 12.08.11 | 15.40 | Tripped without any alarm in control room |
| | | 15.08.11 | 10.42 | 16.08.11 | 06.15 | Machine stopped as generation available on spot RLNG. |
| | | 16.08.11 | 15.31 | 16.08.11 | 20.28 | |
| | | 16.08.11 | 23.50 | 21.08.11 | 00.55 | |
| | | 21.08.11 | 08.15 | 27.08.11 | 23.59 | Machine stopped as there was low demand |
| | | 03.09.11 | 13.05 | 03.09.11 | 13.40 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 03.09.11 | 14.10 | 09.09.11 | 19.50 | Machine stopped as generation available on spot RLNG |
| | | 16.09.11 | 09.13 | 16.09.11 | 11.34 | Machine tripped on exhaust over temp high |
| | | 16.09.11 | 15.35 | 16.09.11 | 17.08 | Due to problem of AC supply the Battery voltage came down to 111 Volt. Machine stopped as per request from C&I division. |
| | | 21.09.11 | 14.23 | 21.09.11 | 21.27 | Machine stopped as generation available on open cycle mode |
| | | 24.10.11 | 06.00 | 24.10.11 | 11.40 | Machine stopped as generation available on spot RLNG |
| | | 25.10.11 | 00.52 | 25.10.11 | 05.55 | |
| | | 25.10.11 | 19.20 | 26.10.11 | 17.55 | |
| | | 27.10.11 | 15.15 | 02.11.11 | 11.40 | Stopped due to low demand and high frequency. |
| | | 13.11.11 | 23.58 | 14.11.11 | 05.58 | |
| | | 19.11.11 | 01.16 | 19.11.11 | 13.44 | Machine stopped as generation available on spot RLNG |
| | | 20.11.11 | 07.15 | 20.11.11 | 09.33 | Machine tripped on high TAD |
| | | 20.11.11 | 10.15 | 20.11.11 | 15.55 | Machine tripped on high TAD |
| | | 03.12.11 | 19.05 | 05.12.11 | 05.25 | Machine stopped as generation available on spot RLNG |
| | | 18.12.11 | 00.01 | 19.12.11 | 02.44 | |
| | | 19.12.11 | 07.42 | 19.12.11 | 11.22 | Stopped on TAD very high. |
| | | 20.12.11 | 02.55 | 20.12.11 | 09.30 | Tripped on TAD very high. |
| | | 21.12.11 | 00.02 | 21.12.11 | 07.50 | Machine stopped due to low demand. |
| | | 21.12.11 | 18.14 | 22.12.11 | 08.25 | Machine stopped as generation available on spot RLNG |
| | | 26.12.11 | 12.54 | 26.12.11 | 22.15 | |
| | | 14.01.12 | 23.00 | 18.01.12 | 12.10 | |
| | | 28.01.12 | 00.16 | 28.01.12 | 00.40 | Tripped on Gen.Gac electrical protection trouble normal shut down. On protection pannel negative phase sequence trip appeared |
| | | 28.01.12 | 00.40 | 28.0.12 | 15.30 | Machine stopped due to low demand. |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 5 | 30 | 11.04.11 | 11.25 | 11.04.11 | 12.55 | Due to failure of Auxiliary supply. |
| | | 11.04.11 | 14.25 | 11.04.11 | 14.55 | Due to failure of Auxiliary supply. |
| | | 12.04.11 | 17.42 | 16.04.11 | 17.15 | Machine stopped as generation available on open cycle |
| | | 17.04.11 | 14.32 | 18.04.11 | 20.17 | Due to low demand and high frequency. |
| | | 21.04.11 | 22.45 | 30.04.11 | 17.24 | |
| | | 03.05.11 | 04.01 | 03.05.11 | 14.40 | Machine stopped as generation available on spot RLNG |
| | | 04.05.11 | 01.35 | 04.05.11 | 12.40 | |
| | | 05.05.11 | 11.05 | 05.05.11 | 11.50 | |
| | | 05.06.11 | 19.16 | 05.07.11 | 19.25 | |
| | | 07.05.11 | 21.35 | 08.05.11 | 21.45 | |
| | | 13.05.11 | 01.05 | 13.05.11 | 05.50 | Machine stopped as generation available in open cycle |
| | | 13.05.11 | 18.30 | 15.05.11 | 18.28 | Machine stopped as generation available on spot RLNG |
| | | 20.05.11 | 01.17 | 20.05.11 | 13.35 | |
| | | 21.05.11 | 10.55 | 23.05.11 | 19.15 | Due to low demand and high freq. |
| | | 31.05.11 | 00.05 | 31.05.11 | 16.13 | Machine stopped as generation available in open cycle mode |
| | | 31.05.11 | 23.02 | 03.06.11 | 10.15 | |
| | | 05.06.11 | 08.04 | 05.06.11 | 12.28 | Machine tripped on high exhaust temperature trip |
| | | 07.06.11 | 14.58 | 07.06.11 | 16.28 | |
| | | 14.06.11 | 03.46 | 15.06.11 | 19.45 | Machine stopped as generation available in open cycle mode |
| | | 15.06.11 | 22.03 | 16.06.11 | 01.14 | |
| | | 16.06.11 | 05.17 | 16.06.11 | 11.44 | Machine tripped on high vibration |
| | | 16.06.11 | 20.02 | 16.06.11 | 22.50 | Electrical trouble |
| | | 16.06.11 | 23.50 | 17.06.11 | 00.15 | Machine came on FSNL while changing the faulty u/v relay |
| | | 26.06.11 | 09.02 | 03.07.11 | 16.18 | Due to low demand and high freq |
| | | 07.07.11 | 14.55 | 16.07.11 | 13.15 | Machine stopped as generation available on spot RLNG |
| | | 07.08.11 | 00.02 | 08.08.11 | 00.10 | |
| | | 15.08.11 | 10.42 | 16.08.11 | 06.15 | |
| | | 16.08.11 | 15.31 | 16.08.11 | 20.28 | |
| | | 16.08.11 | 23.50 | 21.08.11 | 00.55 | |
| | | 21.08.11 | 08.15 | 21.08.11 | 11.25 | |
| | | 21.08.11 | 14.02 | 31.08.11 | 23.59 | |
| | | 01.09.11 | 17.38 | 02.09.11 | 21.50 | . Machine stopped as generation available on spot RLNG |
| | | 03.09.11 | 13.05 | 03.09.11 | 13.45 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 04.09.11 | 02.50 | 14.09.11 | 18.30 | Machine is stopped due to low demand and high freq |
| | | 14.09.11 | 18.30 | 29.10.11 | 22.45 | machine taken under shut down for turbine rotor replacement |
| | | 30.10.11 | 01.50 | 31.10.11 | 11.38 | Machine stopped as generation available in open cycle |
| | | 01.11.11 | 07.20 | 01.11.11 | 17.50 | Machine is stopped due to low demand and high freq |
| | | 02.11.11 | 01.11 | 08.11.11 | 12.00 | |
| | | 08.11.11 | 12.00 | 11.11.11 | 12.40 | Machine not taken on load due problem in diesel Engine |
| | | 11.11.11 | 18.53 | 26.11.11 | 13.06 | Machine stopped due to high vibration at BB4 & BB5 i.e 9 mm/se for further inspection by BGGTS |
| | | 29.11.11 | 14.25 | 29.11.11 | 21.14 | Machine tripped by tripping 11 KV breaker manually as reverse power operated fail alarm appeared on protection pannel. |
| | | 03.12.11 | 14.37 | 06.12.11 | 18.02 | Machine stopped as generation available on spot RLNG |
| | | 07.12.11 | 03.40 | 07.12.11 | 06.00 | Machine taken under Shut down by M-I division to attend lube oil leakage. |
| | | 07.12.11 | 11.30 | 07.12.11 | 18.30 | Machine stopped as generation available on spot RLNG |
| | | 07.12.11 | 23.35 | 08.12.11 | 16.23 | |
| | | 12.12.11 | 19.29 | 14.12.11 | 14.23 | |
| | | 19.12.11 | 09.20 | 19.12.11 | 13.10 | Tripped on TAD very high. |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 5 | 30 | 02.01.12 | 08.40 | 03.01.12 | 11.20 | Machine stopped as generation available on spot RLNG |
| | | 13.01.12 | 01.15 | 14.01.12 | 06.48 | |
| | | 19.01.12 | 00.00 | 19.01.12 | 08.00 | |
| | | 20.01.12 | 00.00 | 20.01.12 | 10.10 | |
| | | 24.01.12 | 11.20 | 24.01.12 | 12.45 | Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure |
| | | 25.01.12 | 18.20 | 27.01.12 | 10.05 | Machine is stopped due to low demand and high freq |
| | | 27.01.12 | 15.02 | 31.01.12 | 23.59 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 6 | 30 | 11.04.11 | 11.25 | 11.04.11 | 13.20 | Due to failure of Auxiliary supply. |
| | | 11.04.11 | 14.25 | 11.04.11 | 20.55 | Due to failure of Auxiliary supply. |
| | | 12.04.11 | 00.02 | 12.04.11 | 17.40 | Machine stopped as generation available on open cycle mode |
| | | 12.04.11 | 18.37 | 16.04.11 | 12.20 | Due to low demand and high frequency |
| | | 17.04.11 | 21.56 | 18.04.11 | 19.55 | |
| | | 19.04.11 | 00.02 | 19.04.11 | 05.55 | |
| | | 20.04.11 | 00.02 | 20.04.11 | 05.42 | |
| | | 22.04.11 | 12.18 | 24.04.11 | 11.45 | Machine stopped as generation available on Spot RLNG |
| | | 24.04.11 | 16.10 | 26.04.11 | 21.20 | Due to low demand and high frequency |
| | | 27.04.11 | 00.05 | 30.04.11 | 12.12 | |
| | | 07.05.11 | 03.40 | 07.05.11 | 11.02 | |
| | | 08.05.11 | 22.02 | 09.05.11 | 21.25 | Machine stopped as generation available on spot RLNG |
| | | 12.05.11 | 10.51 | 12.05.11 | 15.18 | |
| | | 13.05.11 | 00.05 | 13.05.11 | 18.33 | |
| | | 21.05.11 | 18.30 | 23.05.11 | 10.55 | Stopped due to low demand and high frequency. |
| | | 26.06.11 | 09.02 | 04.07.11 | 11.00 | |
| | | 04.07.11 | 15.15 | 05.07.11 | 11.00 | Machine stopped as generation available on spot RLNG |
| | | 15.07.11 | 23.05 | 20.07.11 | 12.50 | Due to low demand and high frequency |
| | | 23.07.11 | 02.17 | 23.07.11 | 03.27 | Machine tripped on loss of flame |
| | | 24.07.11 | 04.15 | 25.07.11 | 09.17 | Due to low demand and high frequency |
| | | 03.08.11 | 15.25 | 03.08.11 | 20.20 | Machine stopped as generation available on spot RLNG |
| | | 05.08.11 | 02.01 | 05.08.11 | 20.58 | |
| | | 17.08.11 | 04.02 | 20.08.11 | 22.10 | |
| | | 22.08.11 | 16.30 | 23.08.11 | 11.30 | |
| | | 24.08.11 | 01.50 | 31.08.11 | 23.59 | |
| | | 01.09.11 | 17.48 | 02.09.11 | 21.40 | Machine stopped as generation available on spot RLNG |
| | | 03.09.11 | 13.05 | 03.09.11 | 13.45 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 06.09.11 | 18.35 | 11.09.11 | 18.25 | Stopped due to low demand and high frequency. |
| | | 21.09.11 | 18.40 | 23.09.11 | 00.27 | Machine tripped due to blowing of fuse of Mark-Vi. |
| | | 27.09.11 | 15.15 | 27.09.11 | 15.30 | Machine came on FSNL during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated . |
| | | 01.10.11 | 17.30 | 01.10.11 | 22.02 | Tripped with STG#3 Generater breaker trip battery voltage ground alarm |
| | | 20.10.11 | 20.16 | 21.10.11 | 15.10 | Tripped on communication link failed with any of IO pack & loss of flame |
| | | 31.10.11 | 10.32 | 03.11.11 | 09.20 | Stopped due to low demand and high frequency |
| | | 01.12.11 | 00.45 | 01.12.11 | 06.25 | Machine stopped as generation available on spot RLNG |
| | | 01.12.11 | 09.58 | 03.12.11 | 13.55 | |
| | | 05.12.11 | 19.02 | 07.12.11 | 03.05 | |
| | | 09.12.11 | 22.20 | 12.12.11 | 18.40 | |
| | | 15.12.11 | 23.55 | 16.12.11 | 08.41 | |
| | | 18.12.11 | 14.02 | 18.12.11 | 20.10 | |
| | | 19.12.11 | 04.10 | 19.12.11 | 10.55 | Tripped on TAD very high. |
| | | 20.12.11 | 01.25 | 20.12.11 | 09.15 | Tripped on TAD very high. |
| | | 21.12.11 | 18.32 | 22.12.11 | 07.52 | Machine stopped as generation available on spot RLNG |
| | | 22.12.11 | 17.50 | 23.12.11 | 09.52 | |
| | | 23.12.11 | 14.20 | 24.12.11 | 08.40 | |
| | | 25.12.11 | 00.46 | 25.12.11 | 07.02 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 6 | 30 | 25.12.11 | 23.55 | 26.12.11 | 11.58 | Machine stopped as generation available on spot RLNG |
| | | 27.12.11 | 00.05 | 27.12.11 | 05.25 | |
| | | 28.12.11 | 00.45 | 28.12.11 | 05.15 | |
| | | 28.12.11 | 23.25 | 29.12.11 | 09.40 | |
| | | 29.12.11 | 23.01 | 30.12.11 | 07.55 | |
| | | 31.12.11 | 00.45 | 31.12.11 | 05.25 | |
| | | 31.12.11 | 17.10 | 02.01.12 | 06.15 | |
| | | 04.01.12 | 23.02 | 05.01.12 | 02.50 | |
| | | 05.01.12 | 23.52 | 06.01.12 | 07.46 | |
| | | 06.01.12 | 23.50 | 11.01.12 | 12.30 | |
| | | 12.01.12 | 00.30 | 12.01.12 | 08.00 | |
| | | 12.01.12 | 23.58 | 13.01.12 | 00.59 | |
| | | 13.01.12 | 02.00 | 13.01.12 | 07.55 | |
| | | 13.01.12 | 14.45 | 14.01.12 | 06.40 | |
| | | 16.01.12 | 00.30 | 17.01.12 | 06.10 | |
| | | 21.01.12 | 00.10 | 21.01.12 | 08.20 | |
| | | 22.01.12 | 00.02 | 23.01.12 | 08.45 | |
| | | 24.01.12 | 00.02 | 24.01.12 | 06.45 | |
| | | 24.01.12 | 11.25 | 24.01.12 | 12.25 | Machine stopped as DD of HRSG#6 not taking close command due to failure of DC supply. |
| | | 24.01.12 | 22.25 | 25.01.12 | 11.40 | Stopped due to low demand and high frequency |
| | | 25.01.12 | 16.55 | 31.01.12 | 23.59 | |
| | | | | | | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG -1 | 30 | 01.04.11 | 00.00 | 16.04.11 | 00.40 | To attend miscellaneous problems |
| | | 16.04.11 | 11.10 | 17.04.11 | 14.27 | Machine stopped attend leakage. |
| | | 17.04.11 | 17.02 | 21.04.11 | 20.58 | Machine stopped due to low demand |
| | | 23.04.11 | 06.32 | 23.04.11 | 11.10 | Problem in 24 Volt DC supply. |
| | | 30.04.11 | 00.52 | 30.04.11 | 02.56 | Machine stopped due to low demand<br>Machine tripped and following relay operated |
| | | 30.04.11 | 18.15 | 05.05.11 | 05.05 | |
| | | 05.05.11 | 23.35 | 06.05.11 | 02.28 | |
| | | 07.05.11 | 01.45 | 07.05.11 | 03.40 | |
| | | 10.05.11 | 13.50 | 10.05.11 | 17.40 | Low vacuum |
| | | 15.05.11 | 06.20 | 15.05.11 | 22.54 | To attend various leakages |
| | | 21.05.11 | 09.50 | 21.05.11 | 14.05 | Tripped on Ch-I &II |
| | | 21.05.11 | 16.22 | 21.05.11 | 17.35 | Machine tripped on low vacuum. |
| | | 30.05.11 | 09.20 | 30.05.11 | 11.05 | Machine tripped on low vacuum. |
| | | 07.06.11 | 02.43 | 07.06.11 | 05.20 | Tripped on Ch-I &II |
| | | 19.06.11 | 07.04 | 21.06.11 | 02.10 | To attend various leakages |
| | | 21.06.11 | 15.58 | 21.06.11 | 16.59 | To attend various leakages |
| | | 08.07.11 | 23.05 | 10.07.11 | 19.34 | Due to low demand and high frequency |
| | | 26.07.11 | 13.50 | 26.07.11 | 15.01 | Machine tripped on flase alarm of Shaft Vibratrion V. high and Housing vibration v.high |
| | | 26.07.11 | 15.20 | 26.07.11 | 16.46 | Machine tripped on flase alarm of Shaft Vibratrion V. high and Housing vibration v.high |
| | | 29.07.11 | 15.55 | 29.07.11 | 17.31 | Machine tripped mannualy as the vaccum dropped upto -0.40 kg/cm2 due to tripping of BFP-1A as another BFP-1B was under preventive maintenance |
| | | 29.07.11 | 17.42 | 29.07.11 | 18.11 | Machine tripped on hot well level high |
| | | 07.08.11 | 18.58 | 15.08.11 | 00.00 | Machine tripped due to problem in Control valve and boxed up for further inspection as directed by Mech division |
| | | 15.08.11 | 00.00 | 16.08.11 | 15.20 | Machine not taken on bar due to low demand |
| | | 03.09.11 | 13.05 | 03.09.11 | 14.40 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 11.09.11 | 17.25 | 14.10.11 | 05.10 | Machine tripped on Generator shaft vibration v. high. Machine boxed for further inspection of generator Rotor & Excitor. After examining the parameters of Generator Rotor it was decided to replace it with new Rotor |
| | | 07.11.11 | 22.17 | 08.11.11 | 01.28 | Tripped due to tripping of 2 MVA Tx-I |
| | | 08.11.11 | 06.48 | 08.11.11 | 08.18 | STG#1 tripped due to coupling breaker of 2 MVR Tx-1&II and DG set tripped and no relay/alarm appearing on breaker of Tx. |
| | | 20.11.11 | 04.48 | 20.11.11 | 12.05 | Machine tripped with following relay operated 27G, 40G ,86GA II, 27GX, 30GTA/30GTB,63 GT-1,multipliers,aux relay in Class A Group-I and Class B -86 GB, AVR VTI fuse and AVR VT-2 . |
| | | 25.11.11 | 19.02 | 25.11.11 | 22.15 | Stopped to attend hot spot on Y-Phase line isolater. |
| | | 26.11.11 | 18.41 | 28.11.11 | 12.44 | Machine stopped as generation available on spot RLNG |
| | | 28.11.11 | 12.58 | 29.11.11 | 14.55 | Machine stopped due to high vibration on Turbine FJB & RJB. |
| | | 30.11.11 | 10.15 | 30.11.11 | 13.29 | Machine tripped manually due to tripping of GT# 2 |
| | | 12.12.11 | 06.59 | 12.12.11 | 08.53 | Tripped on low vaccum due to tripping CEP as 800KVA Trf-1 tripped on Buck-holtz relay |
| | | 13.12.11 | 11.05 | 13.12.11 | 13.32 | Machine tripped |
| | | 16.12.11 | 22.45 | 17.12.11 | 08.20 | Machine stopped as generation available on spot RLNG |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **STG #1** | **30** | 19.12.11 | 03.35 | 19.12.11 | 16.46 | Tripped due to tripping of GT#2 as TAD of GT#2 very high. |
| | | 24.12.11 | 19.10 | 24.12.11 | 21.40 | Tripped on Gen. front bearings vibration very high on right side probe.Relay operated 86GB,aux. relay 60A,60AX,Aux. relay for 60PP,60PPX,Aux. relay for 60 Pmax. |
| | | 29.12.11 | 14.34 | 29.12.11 | 19.35 | Tripped on class A relay trip alarm.Following relay appear in DDC room of STG#1:Gen.class A trip relay86GA,Gen.class B tripping relay86GB, Aux.relay for 60AX,60PPA,60PMA,32G &27GX also appeared. |
| | | 30.12.11 | 14.53 | 30.12.11 | 15.52 | Tripped on CH-I &CH-II operated. |
| | | 05.01.12 | 03.22 | 05.01.12 | 12.37 | Stopped due to stopping of GT#1 due to high TAD. |
| | | 17.01.12 | 03.51 | 17.01.12 | 06.32 | Tripped on turbine shaft viberation(RJB) very high alarm. |
| | | 17.01.12 | 06.32 | 18.01.12 | 12.25 | Machine stopped as generation available on spot RLNG |
| | | 18.01.12 | 13.10 | 18.01.12 | 19.55 | Tripped on Low vaccum. |
| | | 22.01.12 | 00.01 | 23.01.12 | 10.55 | Machine stopped as generation available on spot RLNG |
| | | 24.01.12 | 11.20 | 24.01.12 | 16.10 | Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on Iind stage gas pressure |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG 2 | 30 | 11.04.11 | 10.40 | 17.04.11 | 16.20 | Low vacuum |
| | | 21.05.11 | 04.00 | 23.05.11 | 11.00 | Machine stopped due to low demand |
| | | 23.05.11 | 11.00 | 25.05.11 | 12.59 | Machine tripped on Rotor earth fault |
| | | 24.05.11 | 13.00 | 26.05.11 | 18.20 | Machine stopped as generation available on spot RLNG |
| | | 26.05.11 | 18.24 | 30.05.11 | 20.25 | |
| | | 02.06.11 | 09.36 | 06.06.11 | 10.40 | Machine stopped due to low demand & high frequency |
| | | 19.06.11 | 15.05 | 19.06.11 | 20.00 | Low vacuum |
| | | 22.06.11 | 18.02 | 23.06.11 | 04.25 | To attend various leakages |
| | | 28.06.11 | 16.03 | 28.06.11 | 17.53 | Tripped on Ch-I &II |
| | | 16.07.11 | 14.20 | 03.08.11 | 14.45 | Machine stopped as generation available on spot RLNG |
| | | 14.08.11 | 11.36 | 16.08.11 | 07.50 | |
| | | 03.09.11 | 03.20 | 03.09.11 | 04.25 | Machine stopped for replacement of speed pick up |
| | | 03.09.11 | 13.05 | 03.09.11 | 14.10 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 03.09.11 | 14.10 | 09.09.11 | 21.25 | Machine stopped as generation available on spot RLNG |
| | | 25.09.11 | 12.05 | 25.09.11 | 14.28 | Machine tripped due to malfunctioning of deaerator level as BFP-2A tripped and 2B did not take start command due to non availability of Deaerator level. |
| | | 26.09.11 | 20.35 | 26.09.11 | 21.50 | BFP-2A tripped due to malfunctioning of Deaerator level. Deaeraor Level V.Low , Low, High, very high alarm appeared. BFP-2B taken into service it also tripped on same alarm. Machine tripped on low vaccum. |
| | | 11.10.11 | 14.30 | 11.10.11 | 16.50 | Machine tripped from DDC for checking the hunting in parameters. |
| | | 19.10.11 | 03.02 | 19.10.11 | 07.08 | Machine tripped due to class B relay operated. |
| | | 20.10.11 | 12.50 | 20.10.11 | 14.02 | Tripped due to jerk in control room. |
| | | 21.10.11 | 11.50 | 21.10.11 | 13.05 | Machine stopped due to choking of CEP Stainer as another CEP was under preventive maintenance |
| | | 27.10.11 | 15.15 | 31.10.11 | 10.20 | Machine stopped due to low demand & high frequency |
| | | 12.12.11 | 06.59 | 12.12.11 | 10.10 | Tripped due to tripping of 800KVA Trf-1 on low vaccum as both running CEPs tripped. |
| | | 18.12.11 | 14.50 | 18.12.11 | 15.45 | Tripped due to the following parameters disappeared on BCD & CRT:lube oil temp.,exhaust steam temp.,condensate temp.,BFP discharge header pressure &temp. |
| | | 18.12.11 | 19.20 | 19.12.11 | 00.08 | Tripped due to HRSG#3 drum level very low. |
| | | 19.12.11 | 02.15 | 19.12.11 | 03.40 | Tripped due to tripping of GT#3 as TAD of GT#3 very high. |
| | | 19.12.11 | 07.42 | 19.12.11 | 13.45 | Stopped due to stopping of GT#4 because TAD very high. |
| | | 20.12.11 | 02.55 | 20.12.11 | 11.58 | Tripped due to tripping of GT#4 as TAD of GT#4 very high. |
| | | 14.01.12 | 23.00 | 18.01.12 | 12.00 | Machine stopped as generation on Spot R-LNG is not required by SLDC |
| | | 24.01.12 | 11.20 | 24.01.12 | 13.35 | Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG 3 | 30 | 11.04.11 | 11.25 | 17.04.11 | 16.28 | Due to failure of Auxiliary supply. |
| | | 17.04.11 | 20.05 | 18.04.11 | 21.55 | Machine stopped due to low demand |
| | | 22.04.11 | 12.17 | 30.04.11 | 16.16 | Machine available on spot R-LNG |
| | | 01.05.11 | 14.52 | 01.05.11 | 15.40 | Steam Turbine Speed very high. |
| | | 07.05.11 | 03.40 | 07.05.11 | 13.58 | Machine stopped due to low demand |
| | | 12.05.11 | 09.16 | 13.05.11 | 20.35 | Main steam temperature low |
| | | 21.05.11 | 18.30 | 23.05.11 | 13.55 | Machine stopped due to low demand |
| | | 05.06.11 | 10.15 | 05.06.11 | 11.15 | Low vacuum |
| | | 06.06.11 | 09.05 | 06.06.11 | 11.25 | Turbine shaft vibration high |
| | | 13.06.11 | 13.10 | 13.06.11 | 14.34 | Machine tripped on CH-I& II. |
| | | 26.06.11 | 09.02 | 30.06.11 | 23.59 | Machine stopped due to low demand |
| | | 20.07.11 | 13.50 | 20.07.11 | 14.20 | Machine tripped on Both the boiler trip alarm. No alarm appeared in the Turbine interlock page. |
| | | 20.07.11 | 14.36 | 20.07.11 | 15.20 | Machine tripped on Both the boiler trip alarm. No alarm appeared in the Turbine interlock page. |
| | | 28.07.11 | 07.04 | 28.07.11 | 07.43 | Machine tripped due to tripping of HRSGs. HRSG tripped on low drum level as BFP-3A tripped due to malfunctioning of temperature of NDE of motor. |
| | | 17.08.11 | 04.02 | 21.08.11 | 00.15 | Machine stopped as generation available on spot RLNG. |
| | | 22.08.11 | 13.15 | 23.08.11 | 13.45 | Machine tripped on Class A. machine cleared from Elect division but not taken on load due to low demand. |
| | | 24.08.11 | 01.50 | 31.08.11 | 23.59 | Machine stopped due to low demand |
| | | 03.09.11 | 13.05 | 03.09.11 | 15.10 | Machine tripped as Bus differential relay on BB-3 & 4 operated. |
| | | 06.09.11 | 18.35 | 11.09.11 | 22.10 | Machine Stopped due to low demand & high frequency |
| | | 16.09.11 | 09.35 | 16.09.11 | 11.45 | Machine tripped on class A alarm |
| | | 18.09.11 | 08.54 | 18.09.11 | 09.25 | Machine tripped on Gen class A trip,AVR trip command and excitation field breaker open. |
| | | 20.09.11 | 09.03 | 20.09.11 | 09.27 | Machine tripped on class A alarm |
| | | 21.09.11 | 16.40 | 23.09.11 | 03.10 | Machine tripped due to tripping of GT#6 |
| | | 27.09.11 | 15.15 | 27.09.11 | 16.00 | Machine tripped as GT#6 came on FSNL |
| | | 01.10.11 | 17.30 | 02.10.11 | 01.45 | Tripped with GT#6 Generater breaker trip battery voltage ground alarm. |
| | | 13.10.11 | 05.10 | 13.10.11 | 08.33 | Machine tripped as all the parameters disapperaed. |
| | | 13.10.11 | 14.42 | 13.10.11 | 14.55 | Machine tripped on low vaccum as CEP-3A tripped on Hot well very low alarm. It is found that Condensate water drained from the drain of CPH-5. This drain valve is being cut by the O/h team. |
| | | 20.10.11 | 20.16 | 21.10.11 | 17.25 | Tripped due to tripping of GT#6. |
| | | 31.10.11 | 10.30 | 03.11.11 | 12.35 | Machine Stopped due to low demand & high frequency |
| | | 19.12.11 | 09.20 | 19.12.11 | 12.57 | Tripped due to tripping of GT#5 as TAD of GT#5 very high |
| | | 02.01.12 | 06.05 | 02.01.12 | 06.55 | Stopped due to MS temprature low. |
| | | 04.01.12 | 07.09 | 04.01.12 | 07.39 | Tripped on Hot well level high. |
| | | 13.01.12 | 02.00 | 14.01.12 | 08.58 | Machine stopped as generation available on spot RLNG |
| | | 24.01.12 | 11.20 | 24.01.12 | 14.15 | Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure |
| | | 24.01.12 | 15.40 | 24.01.12 | 17.30 | Machine tripped while normalizing the supply from 20 MVA Tx |
| | | 25.01.12 | 18.20 | 27.01.12 | 12.35 | Machine Stopped due to low demand & high frequency |
| | | 27.01.12 | 15.02 | 31.01.12 | 23.59 | |

**(C) PRAGATI STATION**

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **1** | **104** | 01.04.11 | 23.28 | 03.04.11 | 11.37 | Stopped for maintenance work |
| | | 03.04.11 | 20.03 | 04.04.11 | 19.09 | Rotor earth fault |
| | | 04.04.11 | 14.45 | 06.04.11 | 13.35 | Unit stopped due to low demand and high frequency |
| | | 06.04.11 | 21.45 | 08.04.11 | 08.01 | Stopped for maintenance work |
| | | 08.04.11 | 18.45 | 08.04.11 | 24.00 | Internal fault |
| | | 09.04.11 | 00.00 | 10.04.11 | 15.52 | Unit stopped due to low demand and high frequency |
| | | 25.04.11 | 17.58 | 25.04.11 | 23.08 | Tripped alongwtih trippings of associated transmission lines. |
| | | 21.05.11 | 01.30 | 21.05.11 | 02.56 | Grid disturbance |
| | | 21.05.11 | 22.10 | 23.05.11 | 08.45 | Generation backing down due to low demand and high frequency |
| | | 05.06.11 | 11.02 | 05.06.11 | 17.43 | Shutdown for attending hot spot and general maintenance |
| | | 28.07.11 | 21.18 | 29.07.11 | 22.59 | Leakage of air compressor |
| | | 02.11.11 | 00.00 | 02.11.11 | 05.58 | Inspection of boiler |
| | | | | | | |
| 2 | 104 | 03.04.11 | 13.50 | 03.04.11 | 20.28 | Stopped for maintenance work |
| | | 06.04.11 | 13.50 | 06.04.11 | 21.35 | Stopped for maintenance work |
| | | 08.04.11 | 08.22 | 08.04.11 | 19.20 | Stopped for maintenance work |
| | | 10.04.11 | 21.27 | 11.04.11 | 12.11 | Internal fault |
| | | 30.04.11 | 00.52 | 30.04.11 | 01.10 | Tripped alongwtih trippings of associated transmission lines. |
| | | 05.05.11 | 10.51 | 07.05.11 | 05.26 | Internal problem |
| | | 14.05.11 | 07.21 | 14.05.11 | 19.13 | Internal check |
| | | 05.06.11 | 05.00 | 05.06.11 | 10.43 | Shutdown for attending hot spot and general maintenance |
| | | 10.06.11 | 05.54 | 11.06.11 | 15.44 | Generation backing down due to low demand and high frequency |
| | | 26.06.11 | 11.38 | 27.06.11 | 10.29 | |
| | | 27.06.11 | 10.29 | 27.06.11 | 10.55 | Lube oil system fault |
| | | 15.08.11 | 10.35 | 16.08.11 | 07.00 | Generation backing down due to low demand and high frequency |
| | | 05.09.11 | 05.39 | 05.09.11 | 07.21 | Grid disturbance |
| | | 05.12.11 | 22.00 | 06.12.11 | 01.07 | Electrical fault |
| | | 09.12.11 | 14.05 | 09.12.11 | 14.32 | Due to heavy jerk |
| | | 19.12.11 | 13.58 | 19.12.11 | 17.03 | Air filter damage |
| | | 30.12.11 | 10.30 | 30.12.11 | 14.04 | Replacement of air tube valve |
| | | 05.01.12 | 06.02 | 05.01.12 | 08.04 | Grid disturbance |
| | | 07.01.12 | 22.03 | 07.01.12 | 22.21 | AVR Fault at generation end |
| | | 13.01.12 | 04.36 | 13.02.12 | 16.00 | Generation backing down due to low demand and high frequency |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| | | | | | | |
| STG | **122** | 12.04.11 | 09.00 | 12.04.11 | 18.59 | High furnace temperature |
| | | 25.04.11 | 17.57 | 25.04.11 | 18.56 | Tripped alongwtih trippings of associated transmission lines. |
| | | 21.05.11 | 01.32 | 21.05.11 | 02.53 | |
| | | 05.06.11 | 09.50 | 05.06.11 | 13.38 | Shutdown for attending hot spot and general maintenance |
| | | 07.06.11 | 00.47 | 13.06.2011 | 10.19 | Internal fault |
| | | 05.09.11 | 09.44 | 05.09.11 | 10.28 | Internal fault |
| | | 19.11.11 | 09.39 | 19.11.11 | 11.16 | Internal fault |
| | | 05.12.11 | 22.00 | 06.12.11 | 02.18 | Electrical fault |
| | | 09.12.11 | 14.05 | 09.12.11 | 16.51 | |
| | | 26.12.11 | 01.01 | | | Internal fault |

**(D) BADARPUR THERMAL POWER STATION**

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 95 | 10.06.11 | 11.04 | 13.06.11 | 21.58 | Generation backing down due to low demand and high frequency |
| | | 26.06.11 | 09.43 | 27.06.11 | 13.07 | |
| | | 27.06.11 | 17.26 | 27.06.11 | 17.51 | Furnaces pressure high |
| | | 08.07.11 | 20.25 | 12.07.11 | 15.53 | Generation backing down due to low demand and high frequency |
| | | 15.07.11 | 18.11 | 15.07.11 | 18.47 | Low vacuum |
| | | 20.08.11 | 11.22 | 20.08.11 | 12:05 | Condenser tube leakage |
| | | 01.09.11 | 23.18 | 22.09.11 | 19:24 | Planned shutdown |
| | | 23.09.11 | 02.09 | 23.09.11 | 18.54 | Problem in coal mill |
| | | 25.09.11 | 13.26 | 25.09.11 | 14.20 | Fire out |
| | | 03.10.11 | 21.06 | 03.10.11 | 22.26 | Flame failure in furnance |
| | | 04.10.11 | 18.16 | 05.10.11 | 07.53 | Boiler tube leakage |
| | | 05.10.11 | 19.46 | 15.10.11 | 20.30 | Furnance vaccume failure |
| | | 08.10.11 | 08.27 | 08.10.11 | 09.17 | Flame failure |
| | | 22.10.11 | 09.14 | 22.10.11 | 10.21 | Furnance vaccume low |
| | | 30.10.11 | 00.05 | 30.10.11 | 01.17 | Fire out |
| | | 25.12.11 | 02.30 | 27.12.11 | 01.19 | Boiler tube leakage |
| | | 02.01.12 | 17.39 | 03.01.12 | 14.25 | Boiler tube leakage |
| | | 07.01.12 | 02.38 | 07.01.12 | 03.28 | |
| | | 09.01.12 | 01.44 | 03.01.12 | 03.26 | Flame failure |
| | | 16.01.12 | 15.05 | 16.01.12 | 15.47 | False tripping of IO fan |
| | | | | | | |
| 2 | 95 | 03.04.11 | 00.50 | 20.04.11 | 21.35 | Shut-down for over-hauling |
| | | 21.05.11 | 23.13 | 23.05.11 | 20.52 | Generation backing down due to low demand and high frequency |
| | | 27.06.11 | 16.41 | 02.07.11 | 17.42 | |
| | | 11.07.11 | 14.54 | 11.07.11 | 16.37 | False relay tripping |
| | | 12.09.11 | 10.34 | 12.09.11 | 17.27 | Furnace disturbance |
| | | 14.09.11 | 09.46 | 14.09.11 | 09.11 | Fire out |
| | | 10.10.11 | 11.20 | 10.10.11 | 13.56 | Flame failure |
| | | 17.10.11 | 12.32 | 24.10.11 | 21.20 | Water shortage |
| | | 24.10.11 | 21.35 | 24.10.11 | 22.00 | Flame failure |
| | | 13.11.11 | 17.35 | 13.11.11 | 19.19 | Grid disturbance |
| | | 20.12.11 | 08.12 | 20.12.11 | 09.33 | Vacuum pressure low |
| | | | | | | |
| 3 | 95 | 17.04.11 | 17.01 | 17.04.11 | 18.58 | Tripped along with tripping of associated transmission lines |
| | | 30.04.11 | 18.32 | 30.04.11 | 19.32 | Due to tripping of generator transformer |
| | | 30.04.11 | 21.52 | 02.05.11 | 05.42 | Electrical fault |
| | | 26.05.11 | 17.13 | 30.05.11 | 10.24 | Generation backing down due to low demand and high frequency |
| | | 02.06.11 | 19.41 | 06.06.11 | 11.43 | |
| | | 07.07.11 | 01.47 | 26.07.11 | 15.35 | Turbine blade failure |
| | | 09.08.11 | 03.24 | 10.08.11 | 04.11 | Generator failure |
| | | 02.10.11 | 21.56 | 02.10.11 | 23.10 | Flame failure |
| | | 06.10.11 | 00.58 | 06.10.11 | 03.10 | Flame failure |
| | | 11.10.11 | 20.16 | 11.10.11 | 21.07 | Furnance fire out |
| | | 13.10.11 | 07.07 | 14.10.11 | 04.42 | Boiler tube leakage |
| | | 15.10.11 | 01.12 | 25.10.11 | 18.27 | Boiler tube leakage |
| | | 25.10.11 | 05.12 | 27.10.11 | 02.18 | Water shortage |
| | | 20.11.11 | 14.11 | 21.11.11 | 07.23 | Boiler tube leakage |
| | | 25.11.11 | 05.33 | 26.11.11 | 09.50 | Economizer tube leakage |
| | | 26.12.11 | 16.29 | 27.12.11 | 10.55 | Boiler tube leakage |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| | | | | | | |
| 4 | 210 | 17.04.11 | 17.01 | 17.04.10 | 20.26 | Tripped along with tripping of associated transmission lines |
| | | 04.05.11 | 07.41 | 08.05.11 | 11.18 | Control system failure |
| | | 24.06.11 | 13.07 | 24.06.11 | 16.16 | Excitation system failure |
| | | 22.08.11 | 06.59 | 24.08.11 | 08.40 | Shortage of water |
| | | 11.09.11 | 19.38 | 13.09.11 | 16.19 | Low fuernance pressure |
| | | 16.09.11 | 05.21 | 16.09.11 | 07.28 | Flame failure |
| | | 16.09.11 | 10.25 | 16.09.11 | 11.40 | Flame failure |
| | | 11.10.11 | 07.10 | 11.10.11 | 08.55 | Flame failure |
| | | 11.10.11 | 20.16 | 11.10.11 | 12.30 | Flame failure |
| | | 27.10.11 | 13.05 | 31.10.11 | 23.59 | Furnance vaccum low |
| | | 30.11.11 | 03.05 | 22.12.11 | 20.18 | Annual maintenance |
| | | 23.12.11 | 01.30 | 24.12.11 | 19.10 | Boiler tube leakage |
| | | 12.01.12 | 06.08 | 13.01.12 | 09.50 | Boiler tube leakage |
| | | | | | | |
| 5 | 210 | 17.06.11 | 17.47 | 21.06.11 | 10.10 | Generation backing down due to low demand and high frequency |
| | | 21.06.11 | 11.41 | 21.06.11 | 13.04 | Furnaces vacuum high |
| | | 22.06.11 | 01.09 | 22.06.11 | 04.55 | Furnaces vacuum high |
| | | 22.06.11 | 05.07 | 22.06.11 | 08.15 | Unit auxiliary transformer problem |
| | | 12.07.11 | 13.59 | 13.07.11 | 08.05 | Hot spot on generation bus |
| | | 14.08.11 | 10.35 | 17.08.11 | 08.37 | Generation backing down due to low demand and high frequency |
| | | 14.09.11 | 10.45 | 14.09.11 | 13.28 | Flame failure |
| | | 16.09.11 | 13.50 | 16.09.11 | 15.15 | Flame failure |
| | | 16.09.11 | 19.33 | 16.09.11 | 20.42 | Flame failure |
| | | 17.09.11 | 07.52 | 17.09.11 | 13.47 | Fire out |
| | | 19.10.11 | 11.16 | 29.10.11 | 16.45 | Water shortage |
| | | 26.11.11 | 00.22 | 27.11.11 | 02.27 | Boiler tube leakage |
| | | 26.12.11 | 19.05 | 28.12.11 | 09.42 | Furnance failure |

# 4 ALLOCATION OF POWER TO DELHI

## A) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 22.05.2011

**Time block 00.00hrs. to 12.00hrs. & 23.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota**

| 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 | 130 | 0 | 0 | 130 |
| Rihand | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage –II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| ANTA GPS | 419 | 63 | 44 | 41 | 0 | 0 | 41 |
| Auriya GPS | 663.36 | 99 | 72 | 67 | 0 | 0 | 67 |
| Dadri GPS | 829.78 | 129 | 91 | 85 | 0 | 0 | 85 |
| Dadri NCTPS (Th) | 840 | 0 | 756 | 657 | 0 | 0 | 657 |
| Dadri NCTPS (Th) Stage-II | 980 | 147 | 735 | 639 | 0 | 0 | 639 |
| 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 |
| **TOTAL** | **8782** | **1152** | **2174** | **1902** | **0** | **0** | **1902** |
| **NHPC** | | | | | | | |
| Baira Suil HPS | 180 | 0 | 20 | 19 | 0 | 0 | 19 |
| Salal HPS | 690 | 0 | 80 | 76 | 0 | 0 | 76 |
| Tanakpur HEP | 94 | 0 | 12 | 11 | 0 | 0 | 11 |
| Chamera HEP | 540 | 0 | 43 | 41 | 0 | 0 | 41 |
| Chamera-II HEP | 300 | 54 | 40 | 38 | 0 | 0 | 38 |
| URI HEP | 480 | 0 | 53 | 50 | 0 | 0 | 50 |
| 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 |
| **TOTAL** | **3074** | **172** | **351** | **333** | **0** | **0** | **333** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 41 | 0 | 0 | 41 |
| RAPP(B) | 440 | 66 | 0 | 0 | 0 | 0 | 0 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 0 | 0 | 49 |
| **TOTAL** | **1320** | **194** | **103** | **89** | **0** | **0** | **89** |
| **SVJNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 123 | 0 | 0 | 123 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 103 | 89 | 0 | 0 | 89 |
| **Total** | **15676** | **1766** | **2873** | **2537** | **0** | **0** | **2537** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 19 | 0 | 0 | 19 |
| Kahalgaon | 840 | 0 | 51 | 43 | 0 | 0 | 43 |
| Talchar | 1000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tala HEP | 1020 | 153 | 30 | 25 | 0 | 0 | 25 |
| Mejia TPS Unit-6 | 250 | 0 | 29 | 25 | 0 | 0 | 25 |
| Kahalgaon-II | 1500 | 0 | 157 | 131 | 0 | 0 | 131 |
| **Total ER** | **6210** | **153** | **290** | **242** | **0** | **0** | **242** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 500 | 38 | 231 | 201 | 0 | 0 | 201 |
| **Grand Total** | **22386** | **1957** | **3393** | **2980** | **0** | **0** | **2980** |

## B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 22.05.2011

**Time block 12.00hrs. to 23.00hrs. @ 16% allocation from Unallocated Quota**

| 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 | 130 | 39 | 34 | 165 |
| Rihand | 1000 | 150 | 100 | 87 | 20 | 17 | 104 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 20 | 17 | 127 |
| ANTA GPS | 419 | 63 | 44 | 41 | 8 | 8 | 49 |
| Auriya GPS | 663.36 | 99 | 72 | 67 | 9 | 9 | 76 |
| Dadri GPS | 829.78 | 129 | 91 | 85 | 8 | 7 | 92 |
| Dadri NCTPS (Th) | 840 | 0 | 756 | 657 | 0 | 0 | 657 |
| Dadri NCTPS (Th) Stage-II | 980 | 147 | 735 | 639 | 19 | 17 | 655 |
| Unchahaar-I TPS | 420 | 20 | 24 | 21 | 3 | 2 | 23 |
| Unchahaar-II TPS | 420 | 63 | 47 | 41 | 8 | 7 | 48 |
| Unchahaar-III TPS | 210 | 31 | 29 | 25 | 4 | 4 | 29 |
| **TOTAL** | **8782** | **1152** | **2174** | **1902** | **138** | **122** | **2023** |
| **NHPC** | | | | | | | |
| Baira Suil HPS | 180 | 0 | 20 | 19 | 0 | 0 | 19 |
| Salal HPS | 690 | 0 | 80 | 76 | 0 | 0 | 76 |
| Tanakpur HEP | 94 | 0 | 12 | 11 | 0 | 0 | 11 |
| Chamera HEP | 540 | 0 | 43 | 41 | 0 | 0 | 41 |
| Chamera-II HEP | 300 | 54 | 40 | 38 | 7 | 7 | 45 |
| URI HEP | 480 | 0 | 53 | 50 | 0 | 0 | 50 |
| Sewa HEP | 120 | 18 | 16 | 15 | 2 | 2 | 17 |
| Dhauli Ganga HEP | 280 | 42 | 37 | 35 | 6 | 5 | 40 |
| Koteshwar HEP | 100 | 0 | 10 | 9 | 1 | 1 | 11 |
| Dulhasti HEP | 390 | 58 | 50 | 48 | 8 | 7 | 55 |
| **TOTAL** | **3174** | **172** | **361** | **343** | **24** | **23** | **365** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 41 | 8 | 7 | 48 |
| RAPP(B) | 440 | 66 | 0 | 0 | 0 | 0 | 0 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 14 | 12 | 61 |
| **TOTAL** | **1320** | **194** | **103** | **89** | **23** | **20** | **109** |
| **SVJNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 123 | 20 | 19 | 142 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 103 | 89 | 13 | 12 | 102 |
| **Total** | **15776** | **1766** | **2882** | **2547** | **217** | **195** | **2741** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 19 | 0 | 0 | 19 |
| Kahalgaon | 840 | 0 | 51 | 43 | 0 | 0 | 43 |
| Talchar | 1000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tala HEP | 1020 | 153 | 30 | 25 | 0 | 0 | 25 |
| Mejia TPS Unit-6 | 250 | 0 | 29 | 25 | 0 | 0 | 25 |
| Kahalgaon-II | 1500 | 0 | 157 | 131 | 0 | 0 | 131 |
| **Total ER** | **6210** | **153** | **290** | **242** | **0** | **0** | **242** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 500 | 38 | 231 | 201 | 5 | 4 | 205 |
| **Grand Total** | **22486** | **1957** | **3403** | **2989** | **222** | **199** | **3188** |

## C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 07.10.2011

**Time block 00.00hrs. to 12.00hrs. & 23.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota**

| 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 | 130 | 0 | 0 | 130 |
| Rihand | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| ANTA GPS | 419 | 63 | 44 | 41 | 0 | 0 | 41 |
| Auriya GPS | 663.36 | 99 | 72 | 67 | 0 | 0 | 67 |
| Dadri GPS | 829.78 | 129 | 91 | 85 | 0 | 0 | 85 |
| Dadri NCTPS (Th) | 840 | 0 | 756 | 657 | 0 | 0 | 657 |
| Dadri NCTPS (Th) Stage-II | 980 | 147 | 735 | 639 | 0 | 0 | 639 |
| 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 |
| **TOTAL** | **8782** | **1152** | **2174** | **1902** | **0** | **0** | **1902** |
| **NHPC** | | | | | | | |
| Baira Suil HPS | 180 | 0 | 20 | 19 | 0 | 0 | 19 |
| Salal HPS | 690 | 0 | 80 | 76 | 0 | 0 | 76 |
| Tanakpur HEP | 94 | 0 | 12 | 11 | 0 | 0 | 11 |
| Chamera HEP | 540 | 0 | 43 | 41 | 0 | 0 | 41 |
| Chamera-II HEP | 300 | 54 | 40 | 38 | 0 | 0 | 38 |
| URI HEP | 480 | 0 | 53 | 50 | 0 | 0 | 50 |
| 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 |
| **TOTAL** | **3074** | **172** | **351** | **333** | **0** | **0** | **333** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 41 | 0 | 0 | 41 |
| RAPP(B) | 440 | 66 | 0 | 0 | 0 | 0 | 0 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 0 | 0 | 49 |
| **TOTAL** | **1320** | **194** | **103** | **89** | **0** | **0** | **89** |
| **SVJNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 123 | 0 | 0 | 123 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 103 | 89 | 0 | 0 | 89 |
| **Total** | **15676** | **1766** | **2873** | **2537** | **0** | **0** | **2537** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 19 | 0 | 0 | 19 |
| Kahalgaon | 840 | 0 | 51 | 43 | 0 | 0 | 43 |
| Talchar | 1000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tala HEP | 1020 | 153 | 30 | 25 | 0 | 0 | 25 |
| Mejia TPS Unit-6 | 250 | 0 | 29 | 25 | 0 | 0 | 25 |
| Kahalgaon-II | 1500 | 0 | 157 | 131 | 0 | 0 | 131 |
| **Total ER** | **6210** | **153** | **290** | **242** | **0** | **0** | **242** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 500 | 38 | 0 | 0 | 0 | 0 | 0 |
| **Grand Total** | **22386** | **1957** | **3162** | **2779** | **0** | **0** | **2779** |

## D) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 07.10.2011

**Time block 12.00hrs. to 23.00hrs. @ 16% allocation from Unallocated Quota**

| 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 | 130 | 39 | 34 | 164 |
| Rihand | 1000 | 150 | 100 | 87 | 20 | 17 | 104 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 20 | 17 | 126 |
| ANTA GPS | 419 | 63 | 44 | 41 | 8 | 8 | 49 |
| Auriya GPS | 663.36 | 99 | 72 | 67 | 9 | 8 | 75 |
| Dadri GPS | 829.78 | 129 | 91 | 85 | 8 | 7 | 92 |
| Dadri NCTPS (Th) | 840 | 0 | 756 | 657 | 0 | 0 | 657 |
| Dadri NCTPS (Th) Stage-II | 980 | 147 | 735 | 639 | 19 | 17 | 655 |
| Unchahaar-I TPS | 420 | 20 | 24 | 21 | 3 | 2 | 23 |
| Unchahaar-II TPS | 420 | 63 | 47 | 41 | 8 | 7 | 48 |
| Unchahaar-III TPS | 210 | 31 | 29 | 25 | 4 | 4 | 29 |
| **TOTAL** | **8782** | **1152** | **2174** | **1902** | **137** | **121** | **2022** |
| **NHPC** | | | | | | | |
| Baira Suil HPS | 180 | 0 | 20 | 19 | 0 | 0 | 19 |
| Salal HPS | 690 | 0 | 80 | 76 | 0 | 0 | 76 |
| Tanakpur HEP | 94 | 0 | 12 | 11 | 0 | 0 | 11 |
| Chamera HEP | 540 | 0 | 43 | 41 | 0 | 0 | 41 |
| Chamera-II HEP | 300 | 54 | 40 | 38 | 7 | 7 | 45 |
| URI HEP | 480 | 0 | 53 | 50 | 0 | 0 | 50 |
| Sewa HEP | 120 | 18 | 16 | 15 | 2 | 2 | 17 |
| Dhauli Ganga HEP | 280 | 42 | 37 | 35 | 5 | 5 | 40 |
| Koteshwar HEP | 100 | 0 | 10 | 9 | 1 | 1 | 11 |
| Dulhasti HEP | 390 | 58 | 50 | 48 | 8 | 7 | 55 |
| **TOTAL** | **3174** | **172** | **361** | **343** | **24** | **23** | **365** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 41 | 8 | 7 | 48 |
| RAPP(B) | 440 | 66 | 0 | 0 | 0 | 0 | 0 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 9 | 7 | 56 |
| **TOTAL** | **1320** | **194** | **103** | **89** | **17** | **15** | **104** |
| **SVJNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 123 | 20 | 19 | 142 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 103 | 89 | 13 | 12 | 102 |
| **Total** | **15776** | **1766** | **2882** | **2547** | **211** | **189** | **2736** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 19 | 0 | 0 | 19 |
| Kahalgaon | 840 | 0 | 51 | 43 | 0 | 0 | 43 |
| Talchar | 1000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tala HEP | 1020 | 153 | 30 | 25 | 0 | 0 | 25 |
| Mejia TPS Unit-6 | 250 | 0 | 29 | 25 | 0 | 0 | 25 |
| Kahalgaon-II | 1500 | 0 | 157 | 131 | 0 | 0 | 131 |
| **Total ER** | **6210** | **153** | **290** | **242** | **0** | **0** | **242** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 500 | 38 | 0 | 0 | 5 | 4 | 4 |
| **Grand Total** | **22486** | **1957** | **3172** | **2788** | **216** | **193** | **2982** |

## E) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 04.11.2011

**Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota**

| 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 | 130 | 0 | 0 | 130 |
| Rihand | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| ANTA GPS | 419 | 63 | 44 | 41 | 0 | 0 | 41 |
| Auriya GPS | 663.36 | 99 | 72 | 67 | 0 | 0 | 67 |
| Dadri GPS | 829.78 | 129 | 91 | 85 | 0 | 0 | 85 |
| Dadri NCTPS (Th) | 840 | 0 | 756 | 657 | 0 | 0 | 657 |
| Dadri NCTPS (Th) Stage-II | 980 | 147 | 735 | 639 | 0 | 0 | 639 |
| 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 |
| **TOTAL** | **8782** | **1152** | **2174** | **1902** | **0** | **0** | **1902** |
| **NHPC** | | | | | | | |
| Baira Suil HPS | 180 | 0 | 20 | 19 | 0 | 0 | 19 |
| Salal HPS | 690 | 0 | 80 | 76 | 0 | 0 | 76 |
| Tanakpur HEP | 94 | 0 | 12 | 11 | 0 | 0 | 11 |
| Chamera HEP | 540 | 0 | 43 | 41 | 0 | 0 | 41 |
| Chamera-II HEP | 300 | 54 | 40 | 38 | 0 | 0 | 38 |
| URI HEP | 480 | 0 | 53 | 50 | 0 | 0 | 50 |
| 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 |
| **TOTAL** | **3074** | **172** | **351** | **333** | **0** | **0** | **333** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 41 | 0 | 0 | 41 |
| RAPP(B) | 440 | 66 | 0 | 0 | 0 | 0 | 0 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 0 | 0 | 49 |
| **TOTAL** | **1320** | **194** | **103** | **89** | **0** | **0** | **89** |
| **SVJNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 123 | 0 | 0 | 123 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 103 | 89 | 0 | 0 | 89 |
| Koteshwar HEP | 200 | 0 | 20 | 19 | 0 | 0 | 19 |
| **TOTAL** | **1200** | **99** | **123** | **108** | **0** | **0** | **108** |
| **Total** | **15876** | **1766** | **2892** | **2556** | **0** | **0** | **2556** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 19 | 0 | 0 | 19 |
| Kahalgaon | 840 | 0 | 51 | 43 | 0 | 0 | 43 |
| Talchar | 1000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tala HEP | 1020 | 153 | 30 | 25 | 0 | 0 | 25 |
| Mejia TPS Unit-6 | 250 | 0 | 29 | 25 | 0 | 0 | 25 |
| Kahalgaon-II | 1500 | 0 | 157 | 131 | 0 | 0 | 131 |
| **Total ER** | **6210** | **153** | **290** | **242** | **0** | **0** | **242** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 500 | 38 | 0 | 0 | 0 | 0 | 0 |
| **Grand Total** | **22586** | **1957** | **3182** | **2798** | **0** | **0** | **2798** |

## 5 ALLOCATION OF POWER TO DISCOMS

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. 01.04.2011.

**(Allocation In % )**

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

| SOURCES | LICENSEES | | | | | |
|---|---|---|---|---|---|---|
| | NDMC | MES | NDPL | BRPL | BYPL | TOTAL |
| 1. Central Sector without Dadri (Th) | 0.00 | 0.00 | 29.18 | 43.58 | 27.24 | 100.00 |
| 2. Dadri (Th) | 14.98 | 0.00 | 24.18 | 36.87 | 23.97 | 100.00 |
| 3. BTPS | 15.94 | 7.09 | 21.88 | 33.37 | 21.72 | 100.00 |
| 4. RPH | 0.85 | 0.00 | 28.39 | 42.97 | 27.79 | 100.00 |
| 5. GT | 0.93 | 0.00 | 28.28 | 42.99 | 27.80 | 100.00 |
| 6. Pragati | 26.69 | 0.00 | 20.77 | 31.76 | 20.7 | 100.00 |
| 7. DVC | 0.00 | 0.00 | 29.18 | 43.58 | 27.24 | 100.00 |

**(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) | 0.00 | 0.00 | 29.18 | 43.58 | 27.24 | 100.00 |
| 2. Dadri (Th) | 14.05 | 0.00 | 24.18 | 3687 | 24.90 | 100.00 |
| 3. BTPS | 15.07 | 7.09 | 21.88 | 33.37 | 22.59 | 100.00 |
| 4. RPH | 0.00 | 0.00 | 28.390 | 42.97 | 28.64 | 100.00 |
| 5. GT | 0.00 | 0.00 | 28.28 | 42.99 | 28.73 | 100.00 |
| 6. Pragati | 25.76 | 0.00 | 20.77 | 31.76 | 21.71 | 100.00 |
| 7. DVC | 0.00 | 0.00 | 29.18 | 43.58 | 27.24 | 100.00 |

## 6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JANUARY 2012

**All figures in MW**

| 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 | BTPS | Rithala | Bawana | Total | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9)= (3) to (8) | (10) | (11) | (12)= (11) - (10) | (13)= (11)+ (12) | (14) | (15)= (13)+ (14) |
| 1 | 11:00:51 | 93 | 158 | 310 | 561 | 20 | 167 | 1309 | 1959 | 2007 | 48 | **3268** | 0 | 3268 |
| 2 | 10:03:44 | 94 | 201 | 315 | 606 | 22 | 0 | 1238 | 2257 | 2307 | 50 | **3495** | 0 | 3495 |
| 3 | 10:19:38 | 95 | 201 | 312 | 511 | 22 | 0 | 1141 | 2421 | 2481 | 60 | **3562** | 0 | 3562 |
| 4 | 10:22:05 | 95 | 201 | 307 | 621 | 20 | 0 | 1244 | 2246 | 2520 | 274 | **3490** | 0 | 3490 |
| 5 | 19:40:11 | 48 | 200 | 313 | 466 | 30 | 0 | 1057 | 2260 | 2126 | -134 | **3317** | 0 | 3317 |
| 6 | 10:41:33 | 48 | 201 | 307 | 465 | 17 | 0 | 1038 | 2655 | 2439 | -216 | **3693** | 0 | 3693 |
| 7 | 10:01:16 | 49 | 197 | 314 | 483 | 0 | 0 | 1043 | 2380 | 2457 | 77 | **3423** | 0 | 3423 |
| 8 | 10:03:56 | 51 | 161 | 314 | 599 | 15 | 0 | 1140 | 2254 | 2322 | 68 | **3394** | 3 | 3397 |
| 9 | 10:03:42 | 51 | 198 | 312 | 581 | 15 | 40 | 1197 | 2493 | 2359 | -134 | **3690** | 0 | 3690 |
| 10 | 10:02:23 | 52 | 195 | 320 | 623 | 15 | 182 | 1387 | 2350 | 2463 | 113 | **3737** | 0 | 3737 |
| 11 | 10:31:57 | 50 | 200 | 318 | 618 | 15 | 186 | 1387 | 2363 | 2370 | 7 | **3750** | 74 | 3824 |
| 12 | 10:37:21 | 49 | 239 | 317 | 408 | 15 | 185 | 1213 | 2489 | 2001 | -488 | **3702** | 176 | 3878 |
| 13 | 08:53:52 | 52 | 189 | 324 | 327 | 15 | 132 | 1039 | 2811 | 2687 | -124 | **3850** | 11 | 3861 |
| 14 | 09:53:59 | 53 | 233 | 316 | 594 | 15 | 139 | 1350 | 2264 | 2598 | 334 | **3614** | 1 | 3615 |
| 15 | 10:28:03 | 54 | 159 | 309 | 595 | 15 | 146 | 1278 | 2088 | 2385 | 297 | **3366** | 1 | 3367 |
| 16 | 08:55:18 | 53 | 78 | 308 | 555 | 15 | 149 | 1158 | 2147 | 2479 | 332 | **3305** | 0 | 3305 |
| 17 | 10:15:34 | 53 | 79 | 319 | 597 | 15 | 136 | 1199 | 2283 | 2499 | 216 | **3482** | 40 | 3522 |
| 18 | 10:16:16 | 54 | 110 | 321 | 623 | 19 | 137 | 1264 | 2396 | 2318 | -78 | **3660** | 0 | 3660 |
| 19 | 09:50:40 | 52 | 201 | 323 | 610 | 19 | 132 | 1337 | 2354 | 2442 | 88 | **3691** | 0 | 3691 |
| 20 | 10:01:16 | 58 | 190 | 323 | 610 | 19 | 59 | 1259 | 2675 | 2416 | -259 | **3934** | 0 | 3934 |
| 21 | 09:47:42 | 54 | 203 | 317 | 621 | 15 | 141 | 1351 | 2354 | 2473 | 119 | **3705** | 0 | 3705 |
| 22 | 11:03:45 | 106 | 125 | 319 | 621 | 19 | 145 | 1335 | 2413 | 2432 | 19 | **3748** | 2 | 3750 |
| 23 | 09:48:51 | 112 | 192 | 317 | 625 | 19 | 189 | 1454 | 2203 | 2692 | 489 | **3657** | 0 | 3657 |
| 24 | 09:31:51 | 56 | 202 | 314 | 620 | 19 | 0 | 1211 | 2529 | 2528 | -1 | **3740** | 2 | 3742 |
| 25 | 10:06:18 | 55 | 200 | 314 | 583 | 19 | 0 | 1171 | 2478 | 2593 | 115 | **3649** | 0 | 3649 |
| 26 | 09:02:45 | 56 | 115 | 316 | 620 | 19 | 0 | 1126 | 1968 | 3254 | 1286 | **3094** | 0 | 3094 |
| 27 | 10:21:20 | 102 | 190 | 312 | 632 | 19 | 0 | 1255 | 2333 | 2619 | 286 | **3588** | 0 | 3588 |
| 28 | 10:03:21 | 101 | 121 | 316 | 587 | 19 | 0 | 1144 | 2302 | 2591 | 289 | **3446** | 0 | 3446 |
| 29 | 10:28:06 | 100 | 76 | 315 | 550 | 19 | 0 | 1060 | 2400 | 2520 | 120 | **3460** | 0 | 3460 |
| 30 | 9:57:43 | 99 | 75 | 318 | 592 | 19 | 0 | 1103 | 2404 | 2667 | 263 | **3507** | 13 | 3520 |
| 31 | 9:45:28 | 98 | 76 | 319 | 556 | 19 | 0 | 1068 | 2432 | 2560 | 128 | **3500** | 0 | 3500 |

## 7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 2012

| 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 | BTPS | Rithala | Bawana | Total | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9)= (3) to (8) | (10) | (11) | (12)= (11) - (10) | (13)= (11)+ (12) | (14) | (15)= (13)+ (14) |
| 1 | 11:00:51 | 93 | 158 | 310 | 561 | 20 | 167 | 1309 | 1959 | 2007 | 48 | **3268** | 0 | 3268 |
| 2 | 10:03:44 | 94 | 201 | 315 | 606 | 22 | 0 | 1238 | 2257 | 2307 | 50 | **3495** | 0 | 3495 |
| 3 | 10:19:38 | 95 | 201 | 312 | 511 | 22 | 0 | 1141 | 2421 | 2481 | 60 | **3562** | 0 | 3562 |
| 4 | 10:22:05 | 95 | 201 | 307 | 621 | 20 | 0 | 1244 | 2246 | 2520 | 274 | **3490** | 0 | 3490 |
| 5 | 19:40:11 | 48 | 200 | 313 | 466 | 30 | 0 | 1057 | 2260 | 2126 | -134 | **3317** | 0 | 3317 |
| 6 | 10:41:33 | 48 | 201 | 307 | 465 | 17 | 0 | 1038 | 2655 | 2439 | -216 | **3693** | 0 | 3693 |
| 7 | 10:01:16 | 49 | 197 | 314 | 483 | 0 | 0 | 1043 | 2380 | 2457 | 77 | **3423** | 0 | 3423 |
| 8 | 10:03:56 | 51 | 161 | 314 | 599 | 15 | 0 | 1140 | 2254 | 2322 | 68 | **3394** | 3 | 3397 |
| 9 | 10:03:42 | 51 | 198 | 312 | 581 | 15 | 40 | 1197 | 2493 | 2359 | -134 | **3690** | 0 | 3690 |
| 10 | 10:02:23 | 52 | 195 | 320 | 623 | 15 | 182 | 1387 | 2350 | 2463 | 113 | **3737** | 0 | 3737 |
| 11 | 10:31:57 | 50 | 200 | 318 | 618 | 15 | 186 | 1387 | 2363 | 2370 | 7 | **3750** | 74 | 3824 |
| 12 | 10:37:21 | 49 | 239 | 317 | 408 | 15 | 185 | 1213 | 2489 | 2001 | -488 | **3702** | 176 | 3878 |
| 13 | 08:53:52 | 52 | 189 | 324 | 327 | 15 | 132 | 1039 | 2811 | 2687 | -124 | **3850** | 11 | 3861 |
| 14 | 09:53:59 | 53 | 233 | 316 | 594 | 15 | 139 | 1350 | 2264 | 2598 | 334 | **3614** | 1 | 3615 |
| 15 | 10:28:03 | 54 | 159 | 309 | 595 | 15 | 146 | 1278 | 2088 | 2385 | 297 | **3366** | 1 | 3367 |
| 16 | 08:55:18 | 53 | 78 | 308 | 555 | 15 | 149 | 1158 | 2147 | 2479 | 332 | **3305** | 0 | 3305 |
| 17 | 10:15:34 | 53 | 79 | 319 | 597 | 15 | 136 | 1199 | 2283 | 2499 | 216 | **3482** | 40 | 3522 |
| 18 | 10:16:16 | 54 | 110 | 321 | 623 | 19 | 137 | 1264 | 2396 | 2318 | -78 | **3660** | 0 | 3660 |
| 19 | 09:50:40 | 52 | 201 | 323 | 610 | 19 | 132 | 1337 | 2354 | 2442 | 88 | **3691** | 0 | 3691 |
| 20 | 10:01:16 | 58 | 190 | 323 | 610 | 19 | 59 | 1259 | 2675 | 2416 | -259 | **3934** | 0 | 3934 |
| 21 | 09:47:42 | 54 | 203 | 317 | 621 | 15 | 141 | 1351 | 2354 | 2473 | 119 | **3705** | 0 | 3705 |
| 22 | 11:03:45 | 106 | 125 | 319 | 621 | 19 | 145 | 1335 | 2413 | 2432 | 19 | **3748** | 2 | 3750 |
| 23 | 09:48:51 | 112 | 192 | 317 | 625 | 19 | 189 | 1454 | 2203 | 2692 | 489 | **3657** | 0 | 3657 |
| 24 | 09:31:51 | 56 | 202 | 314 | 620 | 19 | 0 | 1211 | 2529 | 2528 | -1 | **3740** | 2 | 3742 |
| 25 | 10:06:18 | 55 | 200 | 314 | 583 | 19 | 0 | 1171 | 2478 | 2593 | 115 | **3649** | 0 | 3649 |
| 26 | 09:02:45 | 56 | 115 | 316 | 620 | 19 | 0 | 1126 | 1968 | 3254 | 1286 | **3094** | 0 | 3094 |
| 27 | 10:21:20 | 102 | 190 | 312 | 632 | 19 | 0 | 1255 | 2333 | 2619 | 286 | **3588** | 0 | 3588 |
| 28 | 10:03:21 | 101 | 121 | 316 | 587 | 19 | 0 | 1144 | 2302 | 2591 | 289 | **3446** | 0 | 3446 |
| 29 | 10:28:06 | 100 | 76 | 315 | 550 | 19 | 0 | 1060 | 2400 | 2520 | 120 | **3460** | 0 | 3460 |
| 30 | 9:57:43 | 99 | 75 | 318 | 592 | 19 | 0 | 1103 | 2404 | 2667 | 263 | **3507** | 13 | 3520 |
| 31 | 9:45:28 | 98 | 76 | 319 | 556 | 19 | 0 | 1068 | 2432 | 2560 | 128 | **3500** | 0 | 3500 |

# 8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JANUARY 2012

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

| | |
|---|---|
| A (i) RPH | 55.234 |
| (ii) GT+STG | 117.983 |
| (iii) PRAGATI | 229.268 |
| (iv) RITHALA | 13.302 |
| (v) BAWANA CCGT | 52.768 |
| TOTAL | 468.555 |
| B) AVAILABILITY FROM BTPS | 409.177 |
| C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS | 17.020 |
| D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C) | **860.712** |

## 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 | 1.884 | 1.785 | 1.884 | 1.785 |
| SALAL | 10.751 | 10.183 | 10.751 | 10.183 |
| TANKAPUR | 1.567 | 1.484 | 1.567 | 1.484 |
| CHAMERA | 2.726 | 2.592 | 2.726 | 2.592 |
| CHAMERA -II | 4.976 | 4.712 | 4.976 | 4.712 |
| DHAULIGANGA | 3.938 | 3.729 | 3.938 | 3.729 |
| SEWA -2 | 2.293 | 2.174 | 2.293 | 2.174 |
| URI | 8.728 | 8.270 | 8.728 | 8.270 |
| KOTESHWAR | 8.005 | 7.579 | 8.005 | 7.579 |
| ANTA (GAS) | 19.372 | 18.349 | 13.627 | 12.908 |
| ANTA (RLNG) | 13.918 | 13.177 | 2.063 | 1.949 |
| ANTA (LIQUID) | 0.104 | 0.099 | 0.000 | 0.000 |
| DADRI (GAS) | 41.729 | 39.522 | 30.901 | 29.267 |
| DADRI (RLNG) | 26.047 | 24.664 | 3.102 | 2.931 |
| DADRI (LIQUID) | 0.099 | 0.094 | 0.000 | 0.000 |
| AURAIYA (GAS) | 23.222 | 21.992 | 16.751 | 15.863 |
| AURAIYA (RLNG) | 20.024 | 18.963 | 1.958 | 1.850 |
| AURAIYA (LIQUID) | 9.610 | 9.104 | 0.155 | 0.147 |
| SINGRAULI | 100.596 | 95.255 | 97.300 | 92.131 |
| RIHAND -I | 59.729 | 56.568 | 54.199 | 51.325 |
| RIHAND -II | 91.514 | 86.667 | 83.758 | 79.312 |
| UNCHAHAR-I | 16.221 | 15.364 | 13.723 | 12.997 |
| UNCHAHAR-II | 31.906 | 30.219 | 27.312 | 25.867 |
| UNCHAHAR-III | 19.694 | 18.653 | 16.747 | 15.861 |
| DADRI (TH) | 525.243 | 497.407 | 455.086 | 430.974 |
| DADRI (TH) STAGE-II | 428.647 | 405.833 | 403.561 | 382.139 |
| NAPP | 15.376 | 14.546 | 15.376 | 14.546 |
| RAPP 'B' | 0.000 | 0.000 | 0.000 | 0.000 |
| RAPP 'C' | 39.652 | 37.552 | 39.652 | 37.552 |
| NATHPA JHAKRI | 19.662 | 18.617 | 5.737 | 5.433 |
| DULASTI | 7.928 | 7.509 | 7.928 | 7.509 |
| TEHRI | 25.796 | 24.429 | 25.796 | 24.429 |
| JHAJJAR | 0.000 | 0.000 | 0.000 | 0.000 |
| KHELGAON | 22.771 | 21.558 | 19.957 | 18.896 |
| KHELGAON-II | 92.156 | 87.280 | 84.302 | 79.841 |
| FARAKA | 15.001 | 14.207 | 11.590 | 10.974 |
| TALA | 1.950 | 1.845 | 1.950 | 1.845 |
| TALCHER | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC | 122.514 | 121.205 | 121.205 | 114.939 |
| CHATTISHGARH | 0.000 | 0.000 | 0.000 | 0.000 |
| ANDHRA | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC TATA STEEL (NDPL) | 112.503 | 111.294 | 111.294 | 105.426 |
| ORISSA | 0.000 | 0.000 | 0.000 | 0.000 |
| KERALA | 0.000 | 0.000 | 0.000 | 0.000 |
| HIMACHAL PRADESH | 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 |
|---|---|---|---|---|
| MADHYA PRADESH(WR) | 0.000 | 0.000 | 0.000 | 0.000 |
| MADHYA PRADESH(WR-ER) | 0.000 | 0.000 | 0.000 | 0.000 |
| NAGALAND | 0.000 | 0.000 | 0.000 | 0.000 |
| UTTRANCHAL | 0.000 | 0.000 | 0.000 | 0.000 |
| GOA | 0.000 | 0.000 | 0.000 | 0.000 |
| MAHARASHTRA | 0.000 | 0.000 | 0.000 | 0.000 |
| MEGHALAYA | 0.000 | 0.000 | 0.000 | 0.000 |
| RAJASTHAN | 0.000 | 0.000 | 0.000 | 0.000 |
| TO ANDHRA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO MADHYA PRADESH | -74.728 | -75.902 | -75.902 | -80.148 |
| TO JAMMU & KASHMIR | -44.771 | -45.935 | -45.935 | -48.508 |
| TO MAHARASHTRA | -0.057 | -0.058 | -0.058 | -0.062 |
| TO RAJASTHAN | -46.928 | -48.146 | -48.146 | -50.839 |
| TO HIMACHAL PRADESH | -34.875 | -35.780 | -35.780 | -37.782 |
| TO KERALA(ER) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO UTTRANCHAL | 0.000 | 0.000 | 0.000 | 0.000 |
| POWER EXCHANGE(IEX) | 2.451 | 2.312 | 2.451 | 2.312 |
| TO POWER EXCHANGE (IEX) | -126.636 | -133.668 | -126.636 | -133.668 |
| POWRER EXCHANGE(PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO POWER EXCHANGE (PX) | -7.938 | -8.375 | -7.938 | -8.375 |
| TO SHARE PROJECT (HARYANA) | -6.182 | -6.536 | -6.182 | -6.536 |
| TO SHARE PROJECT (PUNJAB) | -2.750 | -2.910 | -2.750 | -2.910 |
| | | | | |
| **TOTAL** | **1605.438** | **1499.482** | **1363.023** | **1252.904** |

## 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 | 1427.675 | 1351.931 | 1220.243 | 1155.523 |
| NTPC - ER | 129.928 | 123.045 | 115.849 | 109.711 |
| NHPC | 44.791 | 42.437 | 44.791 | 42.437 |
| NPC | 55.028 | 52.098 | 55.028 | 52.098 |
| KOTESHWAR | 8.005 | 7.579 | 8.005 | 7.579 |
| NATHPA JHAKRI | 19.662 | 18.617 | 5.737 | 5.433 |
| TEHRI | 25.796 | 24.429 | 25.796 | 24.429 |
| TALA | 1.950 | 1.845 | 1.950 | 1.845 |
| JHAJJAR | 0.000 | 0.000 | 0.000 | 0.000 |
| TALCHER | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC | 122.514 | 121.205 | 121.205 | 114.939 |
| CHATTISHGARH | 0.000 | 0.000 | 0.000 | 0.000 |
| ANDHRA | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC TATA STEEL (NDPL) | 112.503 | 111.294 | 111.294 | 105.426 |
| ORISSA | 0.000 | 0.000 | 0.000 | 0.000 |
| KERALA | 0.000 | 0.000 | 0.000 | 0.000 |
| HIMACHAL PRADESH | 0.000 | 0.000 | 0.000 | 0.000 |
| WEST BENGAL | 0.000 | 0.000 | 0.000 | 0.000 |
| MADHYA PRADESH(WR) | 0.000 | 0.000 | 0.000 | 0.000 |
| MADHYA PRADESH(WR-ER) | 0.000 | 0.000 | 0.000 | 0.000 |
| NAGALAND | 0.000 | 0.000 | 0.000 | 0.000 |
| UTTRANCHAL | 0.000 | 0.000 | 0.000 | 0.000 |
| GOA | 0.000 | 0.000 | 0.000 | 0.000 |
| MAHARASHTRA | 0.000 | 0.000 | 0.000 | 0.000 |
| MEGHALAYA | 0.000 | 0.000 | 0.000 | 0.000 |
| RAJASTHAN | 0.000 | 0.000 | 0.000 | 0.000 |
| POWER EXCHANGE(IEX) | 2.451 | 2.312 | 2.451 | 2.312 |
| POWER EXCHANGE(PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| | | | | |
| **TOTAL** | **1950.302** | **1856.792** | **1712.349** | **1621.732** |

## 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 MADHYA PRADESH | -74.728 | -75.902 | -75.902 | -80.148 |
| TO ANDHRA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO JAMMU & KASHMIR | -44.771 | -45.935 | -45.935 | -48.508 |
| TO MAHARASHTRA | -0.057 | -0.058 | -0.058 | -0.062 |
| TO RAJASTHAN | -46.928 | -48.146 | -48.146 | -50.839 |
| TO HIMACHAL PRADESH | -34.875 | -35.780 | -35.780 | -37.782 |
| TO KERALA(ER) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO UTTRANCHAL | 0.000 | 0.000 | 0.000 | 0.000 |
| TO POWER EXCHANGE (IEX) | -126.636 | -133.668 | -126.636 | -133.668 |
| TO POWER EXCHANGE (PX) | -7.938 | -8.375 | -7.938 | -8.375 |
| TO SHARE PROJECT (HARYANA) | -6.182 | -6.536 | -6.182 | -6.536 |
| TO SHARE PROJECT (PUNJAB) | -2.750 | -2.910 | -2.750 | -2.910 |
| | | | | |
| **TOTAL** | **-344.865** | **-357.310** | **-349.326** | **-368.828** |
| **TOTAL SCHEDULED DRAWAL FROM THE GRID** | **1605.438** | **1499.482** | **1363.023** | **1252.904** |
| TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS | | | | 1933.818 |
| NET CONSUMPTION | | | | 1916.798 |
| AVAILABILITY WITHIN DELHI | | | | 860.712 |
| ACTUAL DRAWAL FROM THE GRID | | | | 1056.086 |
| OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY | | | | -196.818 |
| LOAD SHEDDING | | | | **7.622** |
| UNRESTRICTED DEMAND (GROSS) | | | | **1941.440** |
| UNRESTRICTED DEMAND (NET) | | | | **1924.420** |
| MAX. NET CONSUMPTION | | | | 69.264Mus. ON 19.01.2012 |
| MAX. LOAD SHEDDING | | | | 556W ON 05.01.2012 AT 08.30HRS. |
| **PEAK LOAD** | Peak Demand during the month | | | SHEDDING AT PEAK TIME |
| DAY PEAK | 3934MW AT 10.01.16HRS ON 20.01.2012 | | | NIL |
| EVENING PEAK | 3527MW AT 19.00.00HRS ON 20.01.2012 | | | NIL |
| P.L.F. OF GENCO AND PRAGATI STNs. | RPH | | | 54.99% |
| | GT | | | 58.73% |
| | PRAGATI | | | 93.38% |
| | RITHALA | | | 16.55% |
| | BAWANA | | | 32.21% |

## 9 SHEDDING DETAILS DURING THE MONTH OF JANUARY 2012.

**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 |
| | | BYPL | BRPL | | | | BYPL | BRPL | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7=3 to 6** | 8 | 9 | 10 | 11 |
| 01-Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 02- Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 03- Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 04- Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 05- Jan -12 | 3 | 0.020 | 0.001 | 0.000 | 0.000 | **0.021** | 0.000 | 0.000 | 0.000 | 0.000 |
| 06 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.007 | 0.000 | 0.000 | 0.000 |
| 07 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 08 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 09 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.094 | 0.089 | 0.000 |
| 12 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.717 | 0.816 | 0.131 | 0.000 |
| 13 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.101 | 0.030 | 0.000 | 0.000 |
| 14 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 19 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 20 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.034 | 0.235 | 0.036 | 0.000 |
| 21 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 22- Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 - Jan -12 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | **3** | **0.020** | **0.001** | **0.000** | **0.000** | **0.021** | **0.859** | **1.175** | **0.256** | **0.000** |

ALL FIGURES IN MUs

| Date | Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION | | | | TOTAL | TOTAL SHEDDING DUE TO GRID RESTRICTIONS | Due to T&D Constraints | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | DTL | | | | |
| | BSES | | NDPL | NDMC | | | BSES | | NDPL | NDMC | MES |
| | BYPL | BRPL | | | | | BYPL | BRPL | | | |
| **1** | 12 | 13 | 14 | 15 | **16=8to15** | **17=16+7** | 18 | 19 | 20 | 21 | 22 |
| 01-Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 02- Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 03- Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 |
| 04- Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 05- Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.021** | 0.723 | 0.122 | 1.239 | 0.000 | 0.000 |
| 06 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.007** | **0.007** | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 |
| 07 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.020 | 0.005 | 0.000 | 0.000 |
| 08 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 |
| 09 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.007 | 0.008 | 0.000 | 0.000 | 0.000 |
| 11 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.183** | **0.183** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **1.664** | **1.664** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.131** | **0.131** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 14 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 |
| 17 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 18 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 |
| 19 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 |
| 20 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.305** | **0.305** | 0.000 | 0.078 | 0.013 | 0.000 | 0.000 |
| 21 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 |
| 22- Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 - Jan -12 | 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** | **2.290** | **2.311** | **0.737** | **0.244** | **1.307** | **0.000** | **0.000** |

ALL FIGURES IN MUs

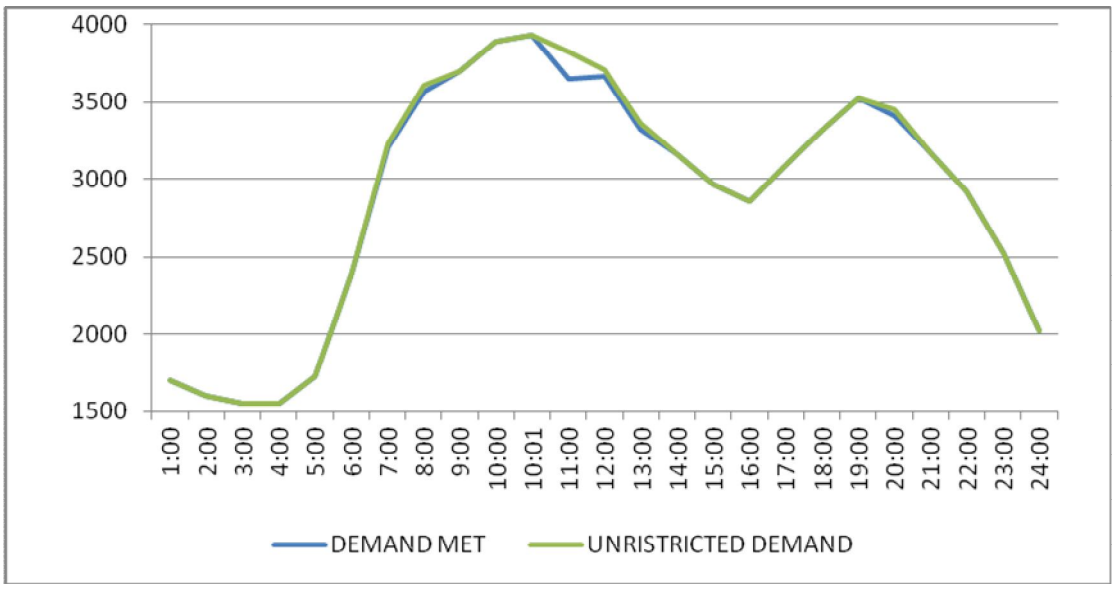
| DATE | DUE TO T&D CONTRAINTS | | | | OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC. | THEFT PRONE SHEDDING | | | TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE | GRAND TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| | DISCOMS | | | | | | | | | |
| | BSES | | NDPL | NDMC | | BSES | | NDPL | | |
| | BYPL | BRPL | | | | BYPL | BRPL | | | |
| 1 | 23 | 24 | 25 | | 26 | 27 | 28 | 29 | 30=18 to29 | 31=30+17 |
| 01-Jan -12 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.065 | **0.070** | **0.070** |
| 02- Jan -12 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.071 | **0.085** | **0.085** |
| 03- Jan -12 | 0.000 | 0.016 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.079 | **0.105** | **0.105** |
| 04- Jan -12 | 0.002 | 0.034 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.090 | **0.128** | **0.128** |
| 05- Jan -12 | 0.013 | 0.023 | 0.100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.016 | **2.236** | **2.257** |
| 06 - Jan -12 | 0.006 | 0.011 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.045 | **0.070** | **0.077** |
| 07 - Jan -12 | 0.000 | 0.025 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.028 | **0.092** | **0.092** |
| 08 - Jan -12 | 0.000 | 0.009 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.078 | **0.102** | **0.102** |
| 09 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.087 | **0.087** | **0.087** |
| 10 - Jan -12 | 0.009 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.087 | **0.115** | **0.115** |
| 11 - Jan -12 | 0.002 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.003** | **0.186** |
| 12 - Jan -12 | 0.000 | 0.000 | 0.002 | 0.000 | 0.013 | 0.000 | 0.000 | 0.088 | **0.103** | **1.767** |
| 13 - Jan -12 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.091 | **0.098** | **0.229** |
| 14 - Jan -12 | 0.000 | 0.000 | 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.097 | **0.130** | **0.130** |
| 15 - Jan -12 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.079 | **0.086** | **0.086** |
| 16 - Jan -12 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.042 | **0.057** | **0.057** |
| 17 - Jan -12 | 0.000 | 0.126 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.095 | **0.222** | **0.222** |
| 18 - Jan -12 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.093 | **0.115** | **0.115** |
| 19 - Jan -12 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.098 | **0.104** | **0.104** |
| 20 - Jan -12 | 0.005 | 0.000 | 0.001 | 0.000 | 0.031 | 0.000 | 0.000 | 0.095 | **0.223** | **0.528** |
| 21 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.093 | **0.116** | **0.116** |
| 22- Jan -12 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.101 | **0.104** | **0.104** |
| 23 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.107 | **0.107** | **0.107** |
| 24 - Jan -12 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.105 | **0.123** | **0.123** |
| 25 - Jan -12 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.089 | **0.090** | **0.090** |
| 26 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.006** | **0.006** |
| 27 - Jan -12 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.087 | **0.091** | **0.091** |
| 28 - Jan -12 | 0.000 | 0.000 | 0.040 | 0.000 | 0.000 | 0.000 | 0.000 | 0.091 | **0.131** | **0.131** |
| 29 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.097 | **0.097** | **0.097** |
| 30 - Jan -12 | 0.000 | 0.012 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.090 | **0.122** | **0.122** |
| 31 - Jan -12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.093 | **0.093** | **0.093** |
| Total | **0.044** | **0.268** | **0.288** | **0.000** | **0.046** | **0.000** | **0.000** | **2.377** | **5.311** | **7.622** |

| 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-Jan -12 | 59.549 | **3268** | 11:00:51 | 0 | **3268** | **3268** | 11:00:51 | **3268** | 0 |
| 02- Jan -12 | 58.543 | **3495** | 10:03:44 | 0 | **3495** | **3495** | 10:03:44 | **3495** | 0 |
| 03- Jan -12 | 58.871 | **3562** | 10:19:38 | 0 | **3562** | **3562** | 10:19:38 | **3562** | 0 |
| 04- Jan -12 | 60.413 | **3490** | 10:22:05 | 0 | **3490** | **3490** | 10:22:05 | **3490** | 0 |
| 05- Jan -12 | 55.184 | **3317** | 19:40:11 | 0 | **3317** | **3317** | 19:40:11 | **3317** | 0 |
| 06 - Jan -12 | 60.605 | **3693** | 10:41:33 | 0 | **3693** | **3693** | 10:41:33 | **3693** | 0 |
| 07 - Jan -12 | 58.231 | **3423** | 10:01:16 | 0 | **3423** | **3423** | 10:01:16 | **3423** | 0 |
| 08 - Jan -12 | 57.657 | **3394** | 10:03:56 | 3 | **3397** | **3397** | 10:03:56 | **3394** | 3 |
| 09 - Jan -12 | 62.745 | **3690** | 10:03:42 | 0 | **3690** | **3690** | 10:03:42 | **3690** | 0 |
| 10 - Jan -12 | 67.378 | **3737** | 10:02:23 | 0 | **3737** | **3737** | 10:02:23 | **3737** | 0 |
| 11 - Jan -12 | 67.908 | **3750** | 10:31:57 | 74 | **3824** | **3824** | 10:31:57 | **3750** | 74 |
| 12 - Jan -12 | 66.936 | **3702** | 10:37:21 | 176 | **3878** | **3878** | 10:37:21 | **3702** | 176 |
| 13 - Jan -12 | 65.418 | **3850** | 08:53:52 | 11 | **3861** | **3861** | 08:53:52 | **3850** | 11 |
| 14 - Jan -12 | 62.653 | **3614** | 09:53:59 | 1 | **3615** | **3615** | 09:53:59 | **3614** | 1 |
| 15 - Jan -12 | 60.612 | **3366** | 10:28:03 | 1 | **3367** | **3367** | 10:28:03 | **3366** | 1 |
| 16 - Jan -12 | 60.866 | **3305** | 08:55:18 | 0 | **3305** | **3305** | 08:55:18 | **3305** | 0 |
| 17 - Jan -12 | 65.834 | **3482** | 10:15:34 | 40 | **3522** | **3522** | 10:15:34 | **3482** | 40 |
| 18 - Jan -12 | 67.096 | **3660** | 10:16:16 | 0 | **3660** | **3660** | 10:16:16 | **3660** | 0 |
| 19 - Jan -12 | 69.264 | **3691** | 09:50:40 | 0 | **3691** | **3691** | 09:50:40 | **3691** | 0 |
| 20 - Jan -12 | 69.248 | **3934** | 10:01:16 | 0 | **3934** | **3934** | 10:01:16 | **3934** | 0 |
| 21 - Jan -12 | 66.859 | **3705** | 09:47:42 | 0 | **3705** | **3705** | 09:47:42 | **3705** | 0 |
| 22- Jan -12 | 65.174 | **3748** | 11:03:45 | 2 | **3750** | **3750** | 11:03:45 | **3748** | 2 |
| 23 - Jan -12 | 65.624 | **3657** | 09:48:51 | 0 | **3657** | **3657** | 09:48:51 | **3657** | 0 |
| 24 - Jan -12 | 61.776 | **3740** | 09:31:51 | 2 | **3742** | **3742** | 09:31:51 | **3740** | 2 |
| 25 - Jan -12 | 61.808 | **3649** | 10:06:18 | 0 | **3649** | **3649** | 10:06:18 | **3649** | 0 |
| 26 - Jan -12 | 51.034 | **3094** | 09:02:45 | 0 | **3094** | **3094** | 09:02:45 | **3094** | 0 |
| 27 - Jan -12 | 59.567 | **3588** | 10:21:20 | 0 | **3588** | **3588** | 10:21:20 | **3588** | 0 |
| 28 - Jan -12 | 58.347 | **3446** | 10:03:21 | 0 | **3446** | **3446** | 10:03:21 | **3446** | 0 |
| 29 - Jan -12 | 53.962 | **3460** | 10:28:06 | 0 | **3460** | **3460** | 10:28:06 | **3460** | 0 |
| 30 - Jan -12 | 58.517 | **3507** | 09:57:43 | 13 | **3520** | **3520** | 09:57:43 | **3507** | 13 |
| 31 - Jan -12 | 59.119 | **3500** | 09:45:28 | 0 | **3500** | **3500** | 09:45:28 | **3500** | 0 |
| Total | **1916.798** | **3934** 20.01.12 | **10.01.16** | 0 | **3934** 20.01.12 | **3934** | **10.01.16** | **3934** | 0 |

## 10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2012 ON 20.01.2012- 3934MW at 10.01.16HRS.

**All figures in MW**

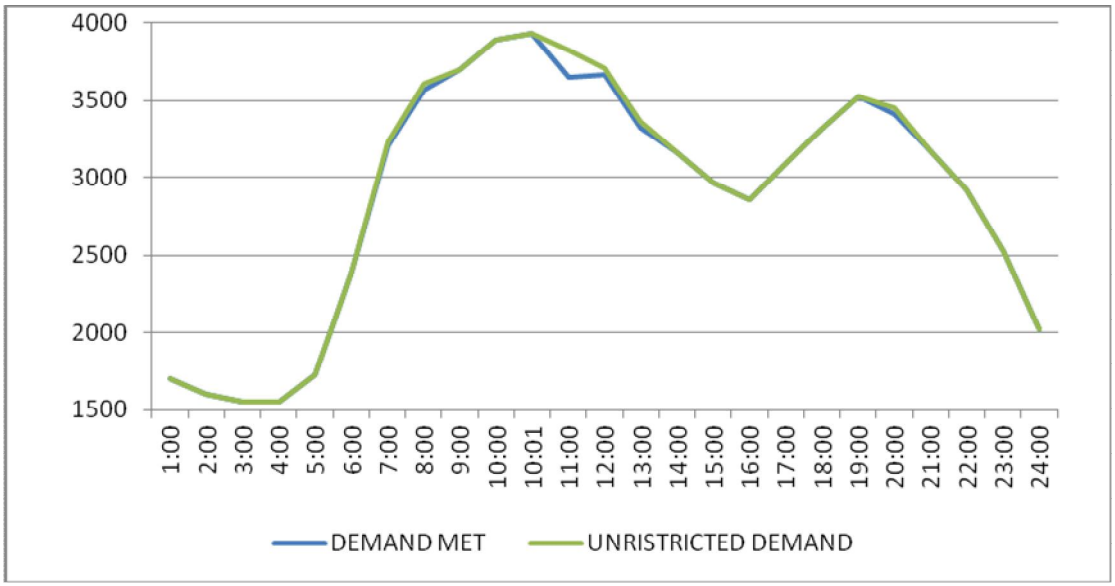
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 1:00 | 1695 | 0 | 1695 |
| 2:00 | 1602 | 0 | 1602 |
| 3:00 | 1553 | 0 | 1553 |
| 4:00 | 1551 | 0 | 1551 |
| 5:00 | 1720 | 0 | 1720 |
| 6:00 | 2380 | 0 | 2380 |
| 7:00 | 3205 | 23 | 3228 |
| 8:00 | 3566 | 41 | 3607 |
| 9:00 | 3700 | 0 | 3700 |
| 10:00 | 3894 | 0 | 3894 |
| **10:01.16** | **3934** | **0** | **3934** |
| 11:00 | 3653 | 172 | 3825 |
| 12:00 | 3667 | 44 | 3711 |
| 13:00 | 3322 | 37 | 3359 |
| 14:00 | 3165 | 0 | 3165 |
| 15:00 | 2967 | 0 | 2967 |
| 16:00 | 2857 | 0 | 2857 |
| 17:00 | 3084 | 5 | 3089 |
| 18:00 | 3313 | 0 | 3313 |
| 19:00 | 3527 | 0 | 3527 |
| 20:00 | 3413 | 38 | 3451 |
| 21:00 | 3173 | 0 | 3173 |
| 22:00 | 2923 | 0 | 2923 |
| 23:00 | 2525 | 0 | 2525 |
| 24:00 | 2024 | 0 | 2024 |
| ENERGY IN MUS | **69.248** | **0.528** | **69.776** |



## 11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2012 ON 20.01.2012-3934MW at 10.01.16HRS.

**All figures in MW**

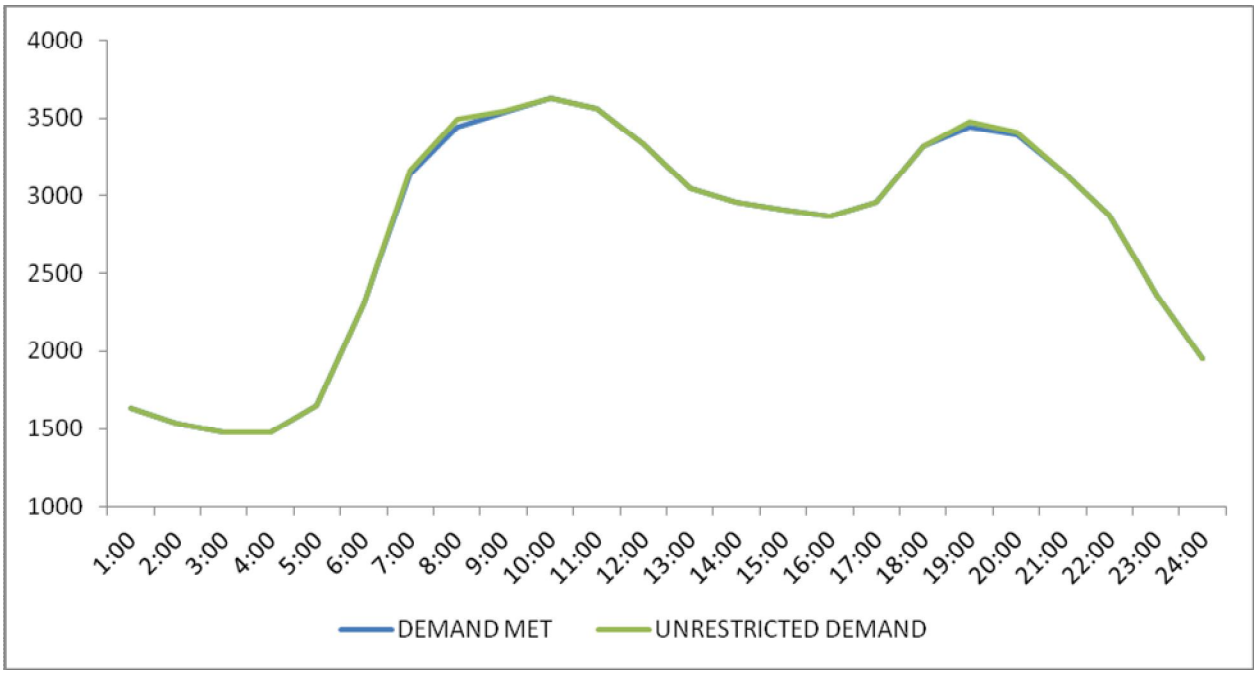
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 1:00 | 1695 | 0 | 1695 |
| 2:00 | 1602 | 0 | 1602 |
| 3:00 | 1553 | 0 | 1553 |
| 4:00 | 1551 | 0 | 1551 |
| 5:00 | 1720 | 0 | 1720 |
| 6:00 | 2380 | 0 | 2380 |
| 7:00 | 3205 | 23 | 3228 |
| 8:00 | 3566 | 41 | 3607 |
| 9:00 | 3700 | 0 | 3700 |
| 10:00 | 3894 | 0 | 3894 |
| **10:01.16** | **3934** | **0** | **3934** |
| 11:00 | 3653 | 172 | 3825 |
| 12:00 | 3667 | 44 | 3711 |
| 13:00 | 3322 | 37 | 3359 |
| 14:00 | 3165 | 0 | 3165 |
| 15:00 | 2967 | 0 | 2967 |
| 16:00 | 2857 | 0 | 2857 |
| 17:00 | 3084 | 5 | 3089 |
| 18:00 | 3313 | 0 | 3313 |
| 19:00 | 3527 | 0 | 3527 |
| 20:00 | 3413 | 38 | 3451 |
| 21:00 | 3173 | 0 | 3173 |
| 22:00 | 2923 | 0 | 2923 |
| 23:00 | 2525 | 0 | 2525 |
| 24:00 | 2024 | 0 | 2024 |
| ENERGY IN MUS | **69.248** | **0.528** | **69.776** |



## 12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2012 – 19.01.2012 – 69.264 Mus

**All figures in MW**

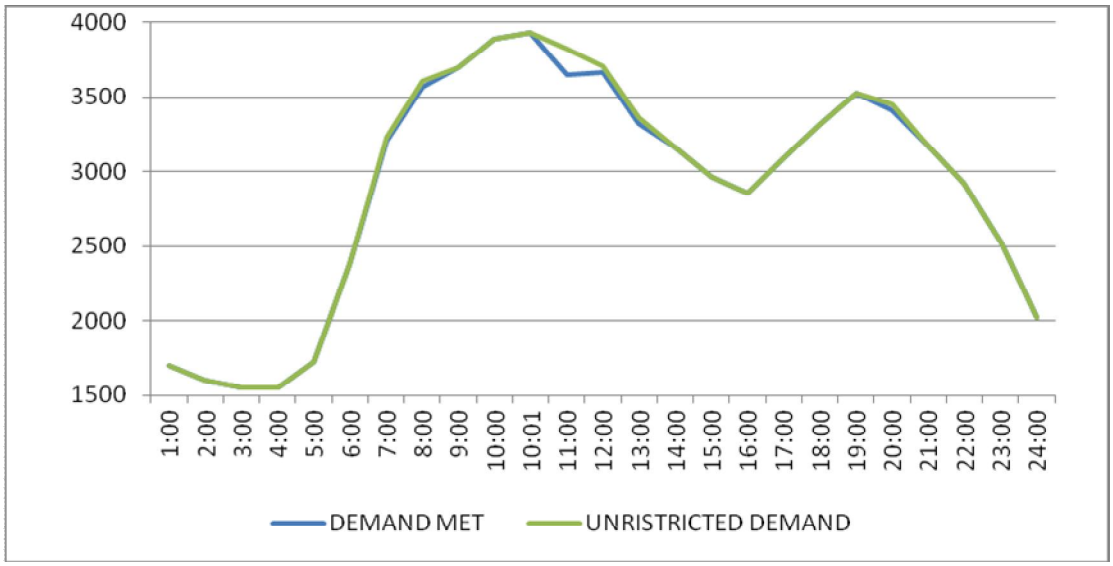
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 1:00 | 1631 | 0 | 1631 |
| 2:00 | 1533 | 0 | 1533 |
| 3:00 | 1478 | 0 | 1478 |
| 4:00 | 1479 | 0 | 1479 |
| 5:00 | 1650 | 0 | 1650 |
| 6:00 | 2304 | 0 | 2304 |
| 7:00 | 3144 | 18 | 3162 |
| 8:00 | 3448 | 47 | 3495 |
| 9:00 | 3539 | 1 | 3540 |
| 10:00 | 3624 | 0 | 3624 |
| 11:00 | 3563 | 0 | 3563 |
| 12:00 | 3341 | 0 | 3341 |
| 13:00 | 3048 | 0 | 3048 |
| 14:00 | 2955 | 0 | 2955 |
| 15:00 | 2907 | 0 | 2907 |
| 16:00 | 2872 | 0 | 2872 |
| 17:00 | 2957 | 5 | 2962 |
| 18:00 | 3320 | 0 | 3320 |
| 19:00 | 3447 | 35 | 3482 |
| 20:00 | 3395 | 19 | 3414 |
| 21:00 | 3159 | 0 | 3159 |
| 22:00 | 2873 | 0 | 2873 |
| 23:00 | 2367 | 0 | 2367 |
| 24:00 | 1952 | 0 | 1952 |
| | | | |
| ENERGY IN MUS | **69.264** | **0.104** | **69.368** |



## 13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2012 – 20.01.2012 – 69.776 Mus

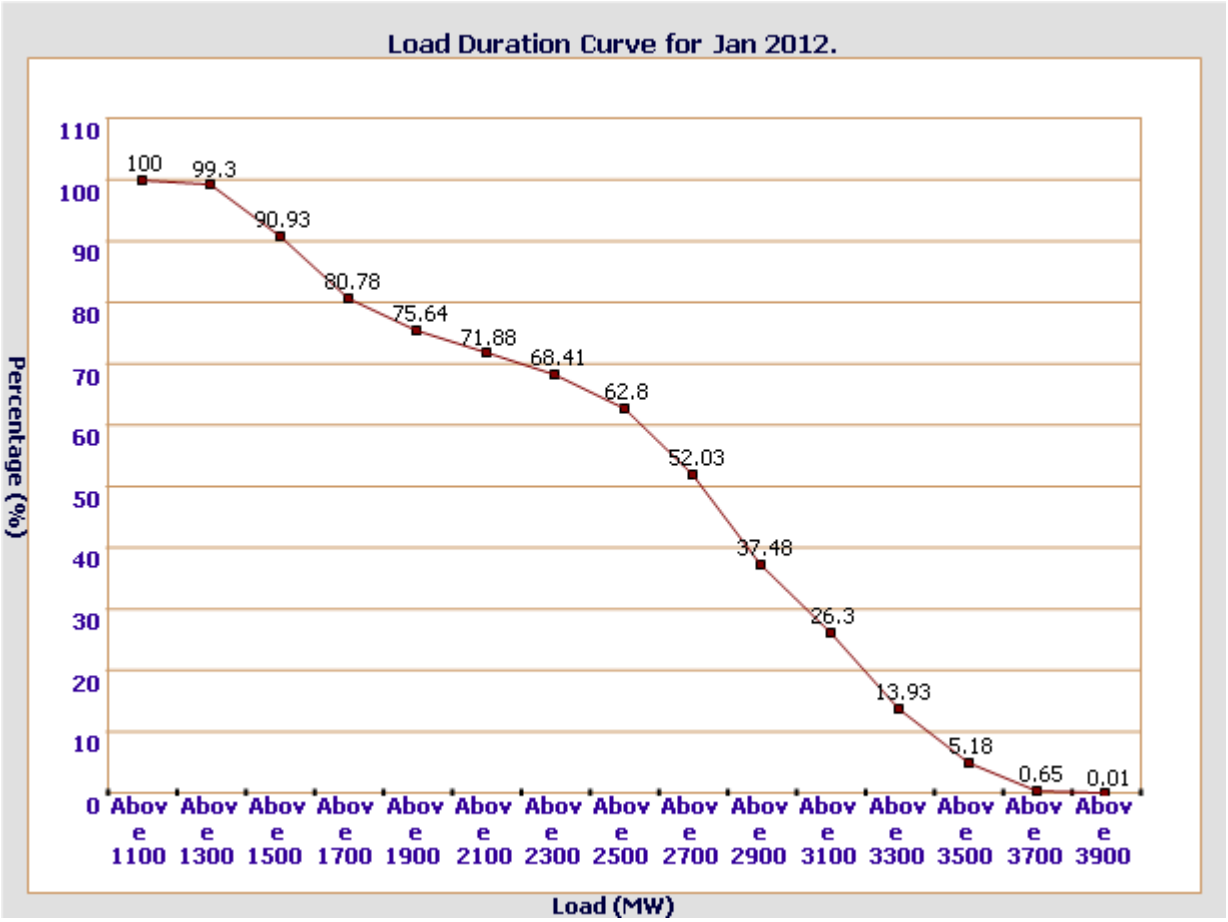
**All figures in MW**

| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 1:00 | 1695 | 0 | 1695 |
| 2:00 | 1602 | 0 | 1602 |
| 3:00 | 1553 | 0 | 1553 |
| 4:00 | 1551 | 0 | 1551 |
| 5:00 | 1720 | 0 | 1720 |
| 6:00 | 2380 | 0 | 2380 |
| 7:00 | 3205 | 23 | 3228 |
| 8:00 | 3566 | 41 | 3607 |
| 9:00 | 3700 | 0 | 3700 |
| 10:00 | 3894 | 0 | 3894 |
| **10:01.16** | **3934** | **0** | **3934** |
| 11:00 | 3653 | 172 | 3825 |
| 12:00 | 3667 | 44 | 3711 |
| 13:00 | 3322 | 37 | 3359 |
| 14:00 | 3165 | 0 | 3165 |
| 15:00 | 2967 | 0 | 2967 |
| 16:00 | 2857 | 0 | 2857 |
| 17:00 | 3084 | 5 | 3089 |
| 18:00 | 3313 | 0 | 3313 |
| 19:00 | 3527 | 0 | 3527 |
| 20:00 | 3413 | 38 | 3451 |
| 21:00 | 3173 | 0 | 3173 |
| 22:00 | 2923 | 0 | 2923 |
| 23:00 | 2525 | 0 | 2525 |
| 24:00 | 2024 | 0 | 2024 |
| ENERGY IN MUS | **69.248** | **0.528** | **69.776** |



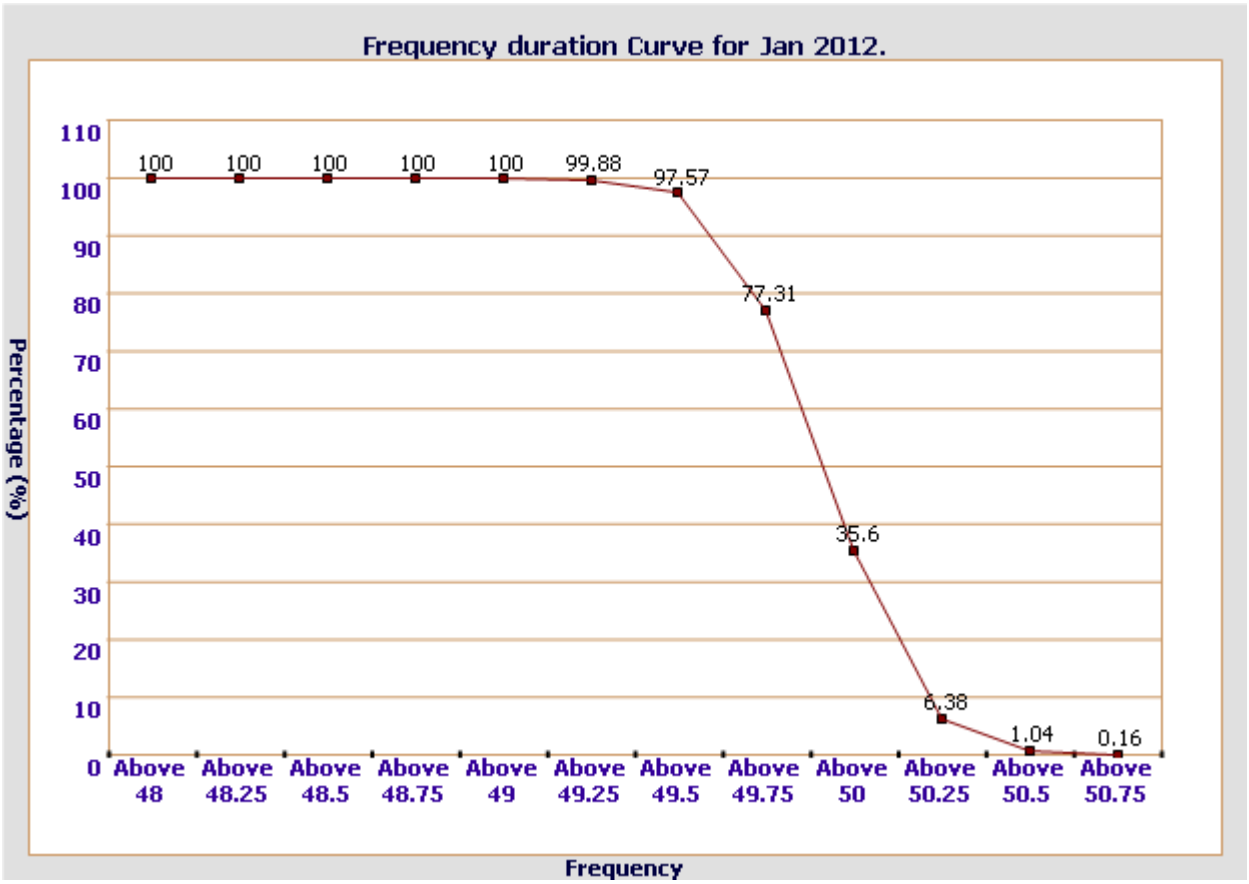
## 14 LOAD DURATION CURVE FOR JANUARY 2012

| Load in MW | Percentage of Time |
|---|---|
| Above 1100 | 100 % |
| Above 1300 | 99.3 % |
| Above 1500 | 90.93 % |
| Above 1700 | 80.78 % |
| Above 1900 | 75.64 % |
| Above 2100 | 71.88 % |
| Above 2300 | 68.41 % |
| Above 2500 | 62.8 % |
| Above 2700 | 52.03 % |
| Above 2900 | 37.48 % |
| Above 3100 | 26.3 % |
| Above 3300 | 13.93 % |
| Above 3500 | 5.18 % |
| Above 3700 | 0.65 % |
| Above 3900 | 0.01 % |



## 15 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2012

| Frequency Range in Hz. | Percentage of time |
|---|---|
| Above 49 | 100 % |
| Above 49.25 | 99.88 % |
| Above 49.5 | 97.57 % |
| Above 49.75 | 77.31 % |
| Above 50 | 35.6 % |
| Above 50.25 | 6.38 % |
| Above 50.5 | 1.04 % |
| Above 50.75 | 0.16 % |



## 16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JANUARY 2012

**All figures in kV**

| Date | NARELA | | GAZIPUR | |
|---|---|---|---|---|
| | Max | Min | Max | Min |
| 01-Jan -12 | 238.73 | 225.44 | 234.34 | 221.05 |
| 02- Jan -12 | 239.63 | 218.86 | 234.98 | 216.67 |
| 03- Jan -12 | 237.05 | 217.57 | 232.66 | 214.48 |
| 04- Jan -12 | 239.24 | 219.25 | 233.82 | 214.73 |
| 05- Jan -12 | 239.75 | -- | 231.89 | 217.06 |
| 06 - Jan -12 | 238.59 | 218.22 | 235.37 | 213.19 |
| 07 - Jan -12 | 243.63 | -- | 237.30 | 217.70 |
| 08 - Jan -12 | 238.85 | 225.95 | 235.11 | 219.76 |
| 09 - Jan -12 | 241.17 | 219.76 | 235.11 | 214.99 |
| 10 - Jan -12 | -- | -- | -- | -- |
| 11 - Jan -12 | 236.92 | 218.47 | 233.82 | 217.06 |
| 12 - Jan -12 | 238.59 | 220.41 | 234.08 | 216.67 |
| 13 - Jan -12 | 236.92 | 218.86 | 231.50 | 217.06 |
| 14 - Jan -12 | 236.27 | 219.89 | 232.66 | 217.18 |
| 15 - Jan -12 | 240.14 | 224.79 | 235.63 | 218.47 |
| 16 - Jan -12 | 248.01 | 221.44 | 239.24 | 218.60 |
| 17 - Jan -12 | 240.27 | 225.05 | 234.60 | -- |
| 18 - Jan -12 | 239.63 | 219.12 | 235.37 | 218.35 |
| 19 - Jan -12 | 239.50 | 220.15 | 233.69 | 219.76 |
| 20 - Jan -12 | 238.85 | 215.38 | 233.43 | 216.02 |
| 21 - Jan -12 | 237.95 | -- | 233.43 | 215.38 |
| 22- Jan -12 | 237.95 | 222.21 | 233.43 | 214.48 |
| 23 - Jan -12 | 241.17 | 222.09 | 235.11 | 217.31 |
| 24 - Jan -12 | 237.82 | 214.48 | 232.79 | 215.12 |
| 25 - Jan -12 | 237.30 | 219.12 | 232.66 | 216.93 |
| 26 - Jan -12 | 237.17 | 225.05 | 234.08 | 221.44 |
| 27 - Jan -12 | 238.46 | 217.18 | 232.79 | 215.77 |
| 28 - Jan -12 | 238.34 | 217.83 | 231.11 | 214.99 |
| 29 - Jan -12 | 237.56 | 219.64 | 233.43 | 215.25 |
| 30 - Jan -12 | 238.34 | 216.41 | 233.18 | 216.02 |
| 31 - Jan -12 | 238.46 | 216.93 | 231.24 | 214.61 |

## 17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING DECEMBER 2011

**All figures in kV**

| Date | 400kV Bamnauli Grid Sub-Station | | | | |
|---|---|---|---|---|---|
| | Max KV | Max Time | Min KV | Min Time | Average KV |
| 01-Jan -12 | 419.50 | 03.59.53 | 399.81 | 06.27.25 | 409.38 |
| 02- Jan -12 | 421.38 | 01.15.41 | 392.30 | 12.20.55 | 405.24 |
| 03- Jan -12 | 416.69 | 20.55.35 | 389.25 | 10.58.10 | 405.34 |
| 04- Jan -12 | 419.27 | 04.04.22 | 391.60 | 11.33.10 | 405.08 |
| 05- Jan -12 | 415.75 | 05.05.00 | 391.36 | 14.34.53 | 404.40 |
| 06 - Jan -12 | 420.91 | 23.46.40 | 389.25 | 09.49.20 | 404.16 |
| 07 - Jan -12 | 425.13 | 04.03.34 | 394.41 | 12.12.43 | 407.98 |
| 08 - Jan -12 | 421.61 | 02.10.29 | 398.63 | 09.14.12 | 409.70 |
| 09 - Jan -12 | 422.52 | 02.14.14 | 391.03 | 06.47.20 | 404.76 |
| 10 - Jan -12 | -- | -- | -- | -- | -- |
| 11 - Jan -12 | 418.56 | 23.52.52 | -- | 13.18.06 | 408.08 |
| 12 - Jan -12 | 425.13 | 04.04.28 | 398.40 | 10.54.52 | 406.34 |
| 13 - Jan -12 | 418.56 | 04.02.06 | 392.07 | 11.04.41 | 406.73 |
| 14 - Jan -12 | 420.67 | 03.06.42 | 390.89 | 11.13.34 | 408.14 |
| 15 - Jan -12 | 425.36 | 04.07.10 | 396.29 | 10.18.02 | 411.75 |
| 16 - Jan -12 | 431.46 | 04.01.48 | 395.58 | 16.46.05 | 412.82 |
| 17 - Jan -12 | 423.25 | 02.09.02 | 398.40 | 10.07.43 | 410.25 |
| 18 - Jan -12 | 425.36 | 04.04.03 | 395.12 | 12.06.12 | 409.41 |
| 19 - Jan -12 | 422.08 | 02.22.14 | 398.40 | 16.12.57 | 410.41 |
| 20 - Jan -12 | 421.61 | 02.08.26 | 392.07 | 10.30.18 | 407.13 |
| 21 - Jan -12 | 422.08 | 04.12.22 | 394.65 | 11.28.48 | 407.66 |
| 22- Jan -12 | 421.38 | 23.53.39 | 395.12 | 10.20.12 | 410.78 |
| 23 - Jan -12 | 426.07 | 04.03.03 | 398.40 | 10.18.33 | 410.62 |
| 24 - Jan -12 | 420.67 | 03.09.19 | 392.07 | 10.11.13 | 406.60 |
| 25 - Jan -12 | 419.27 | 02.10.18 | 392.30 | 10.00.57 | 406.03 |
| 26 - Jan -12 | 419.74 | 16.03.48 | 401.68 | 08.57.44 | 411.07 |
| 27 - Jan -12 | 419.03 | 04.04.19 | 390.89 | 10.17.50 | 404.53 |
| 28 - Jan -12 | 417.16 | 03.49.10 | 389.25 | 08.41.27 | 404.86 |
| 29 - Jan -12 | 419.74 | 09.59.03 | 388.78 | 12.20.02 | 407.08 |
| 30 - Jan -12 | 419.03 | 03.28.52 | 390.43 | 12.16.04 | 404.67 |
| 31 - Jan -12 | 416.69 | 04.02.19 | 388.78 | 12.28.29 | 402.68 |

| Date | 400kV Bawana Grid Sub-Station | | | | |
|---|---|---|---|---|---|
| | Max KV | Max Time | Min KV | Min Time | Average KV |
| 01-Jan -12 | 423.02 | 04.01.44 | 401.68 | 08.45.03 | 413.40 |
| 02- Jan -12 | 424.90 | 01.15.41 | 397.46 | 11.49.43 | 409.59 |
| 03- Jan -12 | 421.38 | 20.54.25 | 395.58 | 10.56.50 | 410.03 |
| 04- Jan -12 | 423.02 | 04.04.22 | 396.99 | 11.34.20 | 409.96 |
| 05- Jan -12 | 420.67 | 05.07.00 | 411.06 | 05.54.53 | 417.23 |
| 06 - Jan -12 | 426.07 | 23.46.40 | 398.40 | 14.50.38 | 409.93 |
| 07 - Jan -12 | 429.59 | 04.03.34 | 399.81 | 12.13.13 | 413.97 |
| 08 - Jan -12 | 425.60 | 04.06.25 | 403.79 | 09.40.14 | 414.73 |
| 09 - Jan -12 | 426.77 | 02.14.34 | 397.23 | 06.47.10 | 409.99 |
| 10 - Jan -12 | -- | -- | -- | -- | -- |
| 11 - Jan -12 | 423.02 | 03.01.29 | 399.81 | 16.46.09 | 411.52 |
| 12 - Jan -12 | 425.13 | 04.05.58 | 400.51 | 10.55.02 | 409.45 |
| 13 - Jan -12 | 419.74 | 04.01.56 | 396.99 | 11.05.01 | 409.55 |
| 14 - Jan -12 | 420.91 | 03.02.51 | 394.88 | 11.13.34 | 410.51 |
| 15 - Jan -12 | 426.30 | 04.04.50 | 399.34 | 10.17.52 | 413.83 |
| 16 - Jan -12 | 433.10 | 04.02.08 | 398.40 | 16.45.55 | 415.65 |
| 17 - Jan -12 | 425.60 | 02.09.02 | 401.68 | 15.47.50 | 412.80 |
| 18 - Jan -12 | 427.24 | 04.04.23 | 398.40 | 12.05.52 | 411.93 |
| 19 - Jan -12 | 423.72 | 02.38.04 | 400.74 | 16.12.47 | 412.47 |
| 20 - Jan -12 | 423.72 | 04.03.55 | 379.40 | 17.35.57 | 409.56 |
| 21 - Jan -12 | 424.19 | 04.12.02 | 396.99 | 11.28.48 | 410.23 |
| 22- Jan -12 | 422.79 | 23.53.29 | 397.23 | 10.21.42 | 412.62 |
| 23 - Jan -12 | 426.30 | 04.02.23 | 400.98 | 10.18.33 | 412.54 |
| 24 - Jan -12 | 422.55 | 03.09.19 | 395.82 | 10.10.43 | 410.20 |
| 25 - Jan -12 | 424.19 | 02.10.28 | 398.16 | 10.00.57 | 411.88 |
| 26 - Jan -12 | 425.36 | 16.04.08 | 407.31 | 08.56.24 | 416.35 |
| 27 - Jan -12 | 423.72 | 04.05.29 | 395.82 | 10.17.50 | 409.98 |
| 28 - Jan -12 | 421.61 | 03.49.10 | 395.12 | 08.42.27 | 410.27 |
| 29 - Jan -12 | 424.23 | 03.56.13 | 394.41 | 12.19.52 | 412.73 |
| 30 - Jan -12 | 423.96 | 03.09.21 | 396.99 | 10.10.04 | 410.42 |
| 31 - Jan -12 | 421.38 | 04.02.19 | 393.71 | 12.28.49 | 408.19 |

# 18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

| Sl. No | SUB-STATION | INSTALLED CAPACITY IN MVAR | | | | Load IN | | WORKING CAPACITY IN MVAR | | | | Lumped Load IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR |
| **1** | **IP YARD** | | 30 | | **30** | | | | 30 | | **30** | | |
| 1 | Kamla Market | | | 16.35 | **16.35** | | | | | 16.35 | **16.35** | 8 | |
| 2 | Minto Road | | | | | | | | | | | | |
| 3 | GB Pant Hosp | | | 15.88 | **15.88** | | | | | 10.48 | **10.48** | 5 | |
| 4 | Delhi Gate | | | 10.9 | **10.9** | | | | | 10.9 | **10.9** | 8 | |
| 5 | Tilakmarg | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 12 | |
| 6 | Electric Lane | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 19 | |
| 7 | Cannaught Place | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | 20 | |
| 8 | Kilokri | | 10.08 | 10.48 | **20.56** | | | | 0 | 5.03 | **5.03** | 4 | |
| 9 | NDSE | | | 5.03 | **5.03** | | | | | 5.03 | **5.03** | 6 | |
| 10 | AIIMS | | 10 | 5.04 | **15.04** | | | | 10 | 5.04 | **15.04** | 18 | |
| 11 | Nizamuddin | | | | | | | | | | | | |
| 12 | Exhibition-I | | 10 | | **10** | | | | 0 | | **0** | 11 | |
| 13 | Exhibition-II | | | | | | | | | | | | |
| 14 | Defence Colony | | | | | | | | | | | | |
| 15 | IG Stadium | | 10.08 | 5.45 | **15.53** | | | | 0 | 5.45 | **5.45** | 4 | |
| 16 | Lajpat Nagar | | | | | | | | | | | | |
| 17 | IP Estate | | | 10.9 | **10.9** | | | | | 5.45 | **5.45** | | |
| | Total | | | | **170.4** | 239 | 11 | **0** | **40** | **83.89** | **123.9** | **115** | |
| **2** | **IP Extn.** | | | | | | | | | | | | |
| 1 | School Lane | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 51 | |
| 2 | Scindia House | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | | |
| 3 | Vidyut Bhawan | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | 52 | |
| 4 | Nirman Bhawan | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 30 | |
| 5 | Dalhousie Road | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | | |
| | Total | | | | **30.24** | 129 | 12 | **0** | **0** | **30.24** | **30.24** | **133** | |
| **3** | **RPH Station** | | 20 | 5.04 | **25.04** | | | | 20 | 5.04 | **25.04** | | |
| 1 | Lahori Gate | | | 10.49 | **10.49** | | | | | 10.49 | **10.49** | 7 | |
| 2 | Jama Masjid | | | 5.03 | **5.03** | | | | | 5.03 | **5.03** | 8 | |
| 4 | Kamla Market | | | | | | | | | | | | |
| 5 | Minto Road | | | 10.9 | **10.9** | | | | | 10.9 | **10.9** | 6 | |
| 6 | GB Pant Hosp | | | | | | | | | | | | |
| 7 | IG Stadium | | | | | | | | | | | | |
| | Total | | | | **51.46** | 100 | 30 | **0** | **20** | **31.46** | **51.46** | **21** | |
| **4** | **Parkstreet S/stn** | 20 | 20 | | **40** | | | 20 | 20 | | **40** | | |
| 1 | Shastri Park | | 10.896 | 5.45 | **16.35** | | | | 10.896 | 5.45 | **16.35** | 47 | |
| 2 | Faiz Road | | | 10.9 | **10.9** | | | | | 10.9 | **10.9** | 12 | |
| 3 | Motia Khan | | | 16.3 | **16.3** | | | | | 16.3 | **16.3** | 11 | |
| 4 | Prasad Nagar | | | 16.25 | **16.25** | | | | | 16.25 | **16.25** | 11 | |
| 5 | Anand Parbat | | | 10.8 | **10.8** | | | | | 7.2 | **7.2** | 7 | |
| 6 | Shankar Road | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 8 | |
| 7 | Rama Road | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 3 | |
| 8 | Baird Road | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | 22 | |
| 9 | Hanuman Road | | | 5.04 | **5.04** | | | | | 0 | **0** | 11 | |
| 10 | Pusa | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 7 | |
| 11 | Ridge Valley | | | | | | | | | | | 53 | |
| 12 | SJ Airport | | | 5.04 | **5.04** | | | | | 0 | **0** | 9 | |
| 13 | B. D. Marg | | | | | | | | | | | 11 | |
| | Total | | | | **157.4** | 233 | 41 | **20** | **30.9** | **85.62** | **136.5** | **212** | |

| Sl. No | SUB-STATION | INSTALLED CAPACITY IN MVAR | | | | Load IN | | WORKING CAPACITY IN MVAR | | | | Lumped Load IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR |
| **5** | **Naraina S/stn** | | 20 | 5.04 | **25.04** | | | | 20 | 0 | **20** | | |
| 1 | DMS | | | 10.85 | **10.85** | | | | | 10.85 | **10.85** | 6 | |
| 2 | Mayapuri | | 10.87 | 5 | **15.87** | | | | 10.87 | 5 | **15.87** | 13 | |
| 3 | Inderpuri | | 13.26 | 5.04 | **18.3** | | | | 0 | 5.04 | **5.04** | 7 | |
| 4 | Rewari line | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | | |
| 5 | Khyber Lane | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | | |
| 6 | Kirbi Place | 10 | | 5.97 | **15.97** | | | 10 | | 5.97 | **15.97** | | |
| 7 | Payal | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 4 | |
| | Total | | | | **112.7** | 140 | 21 | **10** | **30.87** | **46.3** | **87.17** | **30** | |
| **6** | **Mehrauli S/stn** | 80 | | 5.04 | **85.04** | | | 60 | | 5.04 | **65.04** | | |
| 1 | Adchini | | | 15.12 | **15.12** | | | | | 10.08 | **10.08** | 9 | |
| 2 | Andheria Bagh | | | 10.85 | **10.85** | | | | | 10.85 | **10.85** | 7 | |
| 3 | IIT | | | 10.9 | **10.9** | | | | | 5.45 | **5.45** | 7 | |
| 4 | JNU | | 10.03 | 10.08 | **20.11** | | | | 10.03 | 5.04 | **15.07** | 23 | |
| 5 | Bijwasan | | | 10.08 | **10.08** | | | | | 5.04 | **5.04** | 6 | |
| 6 | DC Saket | | 10.08 | 4.54 | **14.62** | | | | 0 | 0 | **0** | 10 | |
| 7 | Malviya Nagar | | | | | | | | | | | | |
| 8 | C Dot | | | 5.4 | **5.4** | | | | | 0 | **0** | 3 | |
| 9 | Vasant kunj B-Blk | 21.79 | | 10.9 | **32.69** | | | 0 | | 0 | **0** | 2 | |
| 10 | Vasant kunj C-Blk | 20.16 | | 10.49 | **30.65** | | | 0 | | 0 | **0** | 2 | |
| 11 | Palam | | | | | | | | | | | 12 | |
| 12 | IGNOU | | | | | | | | | | | 2 | |
| 13 | R. K. Puram-I | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | 6 | |
| 14 | Vasant Vihar | | | 15.12 | **15.12** | | | | | 15.12 | **15.12** | 8 | |
| 15 | Pusp Vihar | | | 9.6 | **9.6** | | | | | 9.6 | **9.6** | | |
| 16 | Bhikaji Cama Place | | 10 | 10.08 | **20.08** | | | | 10 | 5.04 | **15.04** | 9 | |
| | Total | | | | **290.3** | 213 | 32 | **60** | **20.03** | **81.34** | **161.4** | **106** | |
| **7** | **Vasantkunj S/stn** | 40 | | 5.04 | **45.04** | | | 40 | | 5.04 | **45.04** | | |
| 1 | R. K. Puram-II | | | 7.2 | **7.2** | | | | | 0 | **0** | 4 | |
| 2 | Vasant kunj C-Blk | | | | | | | | | | **0** | | |
| 3 | Vasant kunj D-Blk | 20.16 | | 10.25 | **30.41** | | | 0 | | 0 | **0** | 1 | |
| 4 | Race Course | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | | |
| 5 | Bapu Dham | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | 24 | |
| 6 | Nehru Park | | | 10 | **10** | | | | | 10 | **10** | 8 | |
| 7 | Ridge Valley | | | | | | | | | | **0** | | |
| | Total | | | | **107.8** | 244 | 35 | **40** | **0** | **30.16** | **70.16** | **37** | |
| **8** | **Okhla S/stn** | 60 | 10 | 5.04 | **75.04** | | | 60 | 10 | 5.04 | **75.04** | | |
| 1 | Balaji | | | 7.2 | **7.2** | | | | | 3.6 | **3.6** | 6 | |
| 2 | East of Kailash | | | 10 | **10** | | | | | 5 | **5** | 13 | |
| 3 | Alaknanda | | | 16.25 | **16.25** | | | | | 10.85 | **10.85** | 9 | |
| 4 | Malviya Nagar | 21.79 | 20.16 | 10.49 | **52.44** | | | 21.79 | 20.16 | 10.49 | **52.44** | 77 | |
| 5 | Masjid Moth | | | 15.94 | **15.94** | | | | | 5.04 | **5.04** | 7 | |
| 6 | Nehru Place | | | 21.35 | **21.35** | | | | | 21.35 | **21.35** | 20 | |
| 7 | Okhla Ph-I | 21.79 | | 10.9 | **32.69** | | | 21.79 | | 0 | **21.79** | 6 | |
| 8 | Okhla Ph-II | | 20.93 | 15.53 | **36.46** | | | | 10.9 | 15.53 | **26.43** | 13 | |
| 9 | Shivalik | | | 10.9 | **10.9** | | | | | 10.9 | **10.9** | 9 | |
| 10 | Batra | | | 15.8 | **15.8** | | | | | 15.8 | **15.8** | 5 | |
| 11 | VSNL | | | 10.8 | **10.8** | | | | | 0 | **0** | 7 | |
| 12 | Siri Fort | | | 10.49 | **10.49** | | | | | 5.04 | **5.04** | 9 | |
| 13 | Tuglakabad | | | 10.8 | **10.8** | | | | | 0 | **0** | 11 | |
| | Total | | | | **326.2** | 360 | 52 | **103.6** | **41.06** | **108.6** | **253.3** | **192** | |

| Sl. No | SUB-STATION | INSTALLED CAPACITY IN MVAR | | | | Load IN | | WORKING CAPACITY IN MVAR | | | | Lumped Load IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR |
| **9** | **Lodhi Road S/stn** | | 20 | | **20** | | | | 20 | | **20** | | |
| 1 | Defence Colony | | | 10.9 | **10.9** | | | | | 5.45 | **5.45** | 13 | |
| 2 | Hudco | | | 10.9 | **10.9** | | | | | 0 | **0** | 7 | |
| 4 | Lajpat Nagar | | | 10.9 | **10.9** | | | | | 0 | **0** | 6 | |
| 5 | Nizamuddin | | | 10.49 | **10.49** | | | | | 10.49 | **10.49** | 10 | |
| 6 | Vidyut Bhawan | | | | | | | | | | **0** | 6 | |
| 7 | Kidwai Nagar | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 9 | |
| 8 | Ex. Gr. II | | | | | | | | | | **0** | | |
| 9 | IHC | | | | | | | | | | **0** | | |
| | Total | | | | **68.23** | 157 | 61 | **0** | **20** | **20.98** | **40.98** | **51** | |
| **10** | **Sarita Vihar S/stn** | 20 | | 5.04 | **25.04** | | | 20 | | 5.04 | **25.04** | | |
| 1 | Sarita Vihar | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | 13 | |
| 2 | MCIE | | | 10.06 | **10.06** | | | | | 0 | **0** | 4 | |
| 3 | Mathura Road | 20.16 | | 10.08 | **30.24** | | | 20.16 | | 5.04 | **25.2** | 3 | |
| 4 | Jamia Millia | | | 5.4 | **5.4** | | | | | 0 | **0** | 4 | |
| 5 | Sarai Julena | | 10.08 | 10.9 | **20.98** | | | | 10.08 | 10.9 | **20.98** | 14 | |
| | Total | | | | **101.8** | 140 | -3 | **40.16** | **10.08** | **31.06** | **81.3** | **38** | |
| **11** | **South of Wazirabad** | | | | | | | | | | **0** | | |
| 1 | Bhagirathi | | 10.03 | 10.9 | **20.93** | | | | 0 | 10.9 | **10.9** | 10 | |
| 2 | Ghonda | 21.79 | 22.56 | 15.94 | **60.29** | | | 0 | 0 | 15.94 | **15.94** | 20 | |
| 3 | Seelam Pur | | 10.08 | 21.39 | **31.47** | | | | 0 | 10.9 | **10.9** | 10 | |
| 4 | Dwarkapuri | | | 15.46 | **15.46** | | | | | 15.46 | **15.46** | 8 | |
| 5 | Nandnagri | 20.16 | | 16.35 | **36.51** | | | 20.16 | | 10.9 | **31.06** | 4 | |
| 6 | Yamuna Vihar | | | 10.8 | **10.8** | | | | | 1.8 | **1.8** | 5 | |
| 7 | East of Loni Road | | | 10.8 | **10.8** | | | | | 10.8 | **10.8** | 3 | |
| 8 | Shastri Park | | | 10.9 | **10.9** | | | | | 5.45 | **5.45** | 10 | |
| 9 | Karawal Nagar | | | 5.4 | **5.4** | | | | | 5.4 | **5.4** | 9 | |
| | Total | | | | **202.6** | 214 | 64 | **20.16** | **0** | **87.55** | **107.7** | **79** | |
| **12** | **Geeta Colony** | | | | | | | | | | **0** | | |
| 1 | Geeta Colony | | | 10.49 | **10.49** | | | | | 10.49 | **10.49** | 12 | |
| 2 | Kanti Nagar | | | 10.9 | **10.9** | | | | | 10.9 | **10.9** | 8 | |
| 3 | Kailash Nagar | | | 15.48 | **15.48** | | | | | 5.45 | **5.45** | 12 | |
| 4 | Seelam Pur | | | | | | | | | | **0** | | |
| 5 | Shakar Pur | | | | | | | | | | **0** | 6 | |
| | Total | | | | **36.87** | 105 | 45 | **0** | **0** | **26.84** | **26.84** | **32** | |
| **13** | **Gazipur S/stn** | 40 | | 5.04 | **45.04** | | | 40 | | 5.04 | **45.04** | | |
| 1 | Dallupura | 21.79 | | 10.9 | **32.69** | | | 0 | | 10.9 | **10.9** | 2 | |
| 2 | Vivek Vihar | | | 10.57 | **10.57** | | | | | 5.03 | **5.03** | 18 | |
| 3 | GT Road | | | 10.85 | **10.85** | | | | | 10.85 | **10.85** | 7 | |
| 4 | Kondli | 20.16 | | 10.85 | **31.01** | | | 0 | | 5.45 | **5.45** | 3 | |
| 5 | MVR-I | | | 10.9 | **10.9** | | | | | 0 | **0** | | |
| 6 | MVR-II | 20.16 | | 10.9 | **31.06** | | | 0 | | 10.9 | **10.9** | | |
| 7 | PPG Ind. Area | | | 10.06 | **10.06** | | | | | 0 | **0** | 2 | |
| | Total | | | | **182.2** | 164 | 0 | **40** | **0** | **48.17** | **88.17** | **32** | |
| **14** | **Patparganj S/stn** | 40 | 20 | 5.04 | **65.04** | | | 40 | 10 | 5.04 | **55.04** | | |
| 1 | GH-I | 19.89 | | 10.45 | **30.34** | | | 0 | | 10.45 | **10.45** | 2 | |
| 2 | GH-II | 20.09 | | 10.9 | **30.99** | | | 0 | | 0 | **0** | 3 | |
| 3 | CBD | | 10.03 | 15.48 | **25.51** | | | | 0 | 15.48 | **15.48** | 9 | |
| 4 | Guru Angad Nagar | | | 15.49 | **15.49** | | | | | 15.49 | **15.49** | 11 | |
| 5 | Karkadooma | | 10.08 | 10.44 | **20.52** | | | | 10.08 | 10.44 | **20.52** | 6 | |
| 6 | Preet Vihar | | | 10.07 | **10.07** | | | | | 5.04 | **5.04** | 9 | |

| Sl. No | SUB-STATION | INSTALLED CAPACITY IN MVAR | | | | Load IN | | WORKING CAPACITY IN MVAR | | | | Lumped Load IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | TOTAL | MW | MVAR | 66KV | 33kV | 11kV | TOTAL | MW | MVAR |
| 7 | CBD-II | | | 7.2 | **7.2** | | | | | 0 | **0** | 4 | |
| 8 | Shakarpur | | | 5.4 | **5.4** | | | | | 3.6 | **3.6** | | |
| 9 | Jhilmil | | | 9 | **9** | | | | | 0 | **0** | 5 | |
| 10 | Dilshad Garden | 20.16 | | 16.35 | **36.51** | | | 0 | | 0 | **0** | 4 | |
| 11 | Khichripur | 21.79 | | 10.49 | **32.28** | | | 0 | | 5.45 | **5.45** | 7 | |
| 12 | Mother Dairy | | | | | | | | | | **0** | | |
| 13 | Scope Building | | | | | | | | | | **0** | | |
| 14 | Vivek Vihar | | | | | | | | | | **0** | | |
| 15 | Akhardham | | | 14.4 | **14.4** | | | | | 0 | **0** | | |
| | Total | | | | **302.8** | 169 | -25 | **40** | **20.08** | **70.99** | **131.1** | **60** | |
| **15** | **Najafgarh S/stn** | 60 | | 5.04 | **65.04** | | | 60 | | 5.04 | **65.04** | | |
| 1 | A4 Paschim Vihar | | | 10.9 | **10.9** | | | | | 5.45 | **5.45** | 6 | |
| 2 | Nangloi | 21.73 | | 15.85 | **37.58** | | | 21.73 | | 10.85 | **32.58** | 39 | |
| 3 | Nangloi W/W | 20.89 | | 5.45 | **26.34** | | | 20.89 | | 5.45 | **26.34** | 3 | |
| 4 | Pankha Road | | | 15.69 | **15.69** | | | | | 15.69 | **15.69** | 6 | |
| 5 | Jaffarpur | | | 15.49 | **15.49** | | | | | 0 | **0** | 3 | |
| 7 | Inst. Area Janakpuri | | | 15.9 | **15.9** | | | | | 5.45 | **5.45** | | |
| 8 | Paschimpuri | | 10.05 | 15.53 | **25.58** | | | | 0 | 5.04 | **5.04** | 9 | |
| 9 | Paschim Vihar | 41.83 | | 15.44 | **57.27** | | | 20.1 | | 15.44 | **35.54** | 36 | |
| 10 | Mukherjee Park | | | 15.49 | **15.49** | | | | | 15.49 | **15.49** | 11 | |
| 11 | Udyog Nagar | | | 10.04 | **10.04** | | | | | 0 | **0** | 8 | |
| 12 | Choukhandi | | | 10.08 | **10.08** | | | | | 0 | **0** | 7 | |
| | Total | | | | **305.4** | 322 | 38 | **122.7** | **0** | **83.9** | **206.6** | **128** | |
| **16** | **Pappankalan-I S/stn** | 20 | | 5.04 | **25.04** | | | 20 | | 5.04 | **25.04** | | |
| 1 | Bindapur | 21.73 | | 15.9 | **37.63** | | | 0 | | 5 | **5** | 6 | |
| 2 | Bodella-I | 20.1 | | 15.9 | **36** | | | 20.1 | | 15.9 | **36** | 6 | |
| 3 | Bodella-II | 21.73 | | 14.53 | **36.26** | | | 0 | | 14.53 | **14.53** | 6 | |
| 4 | DC Janakpuri | | | 10.04 | **10.04** | | | | | 10.04 | **10.04** | 8 | |
| 5 | G-2 PPK | | | 10.9 | **10.9** | | | | | 10.9 | **10.9** | 3 | |
| 6 | G-5 PPK | | | 15.53 | **15.53** | | | | | 15.53 | **15.53** | 6 | |
| 7 | G-6 PPK | | | 5.45 | **5.45** | | | | | 5.45 | **5.45** | 5 | |
| 8 | G-15 PPK | | | 10.08 | **10.08** | | | | | 10.08 | **10.08** | | |
| 9 | Harinagar | 21.18 | | 10.49 | **31.67** | | | 0 | | 10.49 | **10.49** | 6 | |
| | Total | | | | **218.6** | 334 | 38 | **40.1** | **0** | **103** | **143.1** | **46** | |
| **17** | **BBMB Rohtak Road** | | | | | | | | | | **0** | | |
| 1 | S.B. Mill | | | 10.08 | **10.08** | | | | | 0 | **0** | 3 | |
| 2 | GTK Road | | | | **0** | | | | | | **0** | | |
| 3 | Ram Pura | | | 12.24 | **12.24** | | | | | 12.24 | **12.24** | 7 | |
| 4 | Rohtak Road | | | 10.08 | **10.08** | | | | | 5.04 | **5.04** | 2 | |
| 5 | Vishal | | | 5.4 | **5.4** | | | | | 5.4 | **5.4** | 13 | |
| 6 | Madipur | | | 10.43 | **10.43** | | | | | 5 | **5** | 7 | |
| 7 | Sudershan Park | | | 10.08 | **10.08** | | | | | 0 | **0** | | |
| | Total | | | | **58.31** | 151 | 15 | **0** | **0** | **27.68** | **27.68** | **32** | |
| **18** | **Shalimarbagh S/stn** | | 40 | 6 | **46** | | | | 30 | 6 | **36** | | |
| 1 | S.G.T. Nagar | | | 13.15 | **13.15** | | | | | 0 | **0** | | |
| 2 | Wazirpur-1 | | | 20.7 | **20.7** | | | | | 20.7 | **20.7** | 11 | |
| 3 | Wazirpur-2 | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 6 | |
| 4 | Shalimarbagh | | | | | | | | | | **0** | | |
| 5 | Ashok Vihar | | | 20.35 | **20.35** | | | | | 20.35 | **20.35** | 11 | |
| 6 | Rani Bagh | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 3 | |

| Sl. No | SUB-STATION | INSTALLED CAPACITY IN MVAR | | | | Load IN | | WORKING CAPACITY IN MVAR | | | | Lumped Load IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR |
| 7 | Haiderpur | | | 13.15 | **13.15** | | | | | 13.15 | **13.15** | 6 | |
| 8 | SMB FC | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | | |
| 9 | SMB KHOSLA | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 4 | |
| | Total | | | | **156.6** | 185 | 4 | **0** | **30** | **89** | **119** | **41** | |
| **19** | **Subzimandi S/stn** | | | 6 | **6** | | | | | 6 | **6** | | |
| 1 | Shakti Nagar | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | 4 | |
| 2 | Gulabibagh | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 4 | |
| 3 | Shahzadabagh | | | 19.44 | **19.44** | | | | | 19.44 | **19.44** | 10 | |
| 4 | Tripolia | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 4 | |
| 5 | B. G. Road | | | | | | | | | | **0** | 3 | |
| | Total | | | | **52.08** | 105 | 17 | **0** | **0** | **44.88** | **44.88** | **25** | |
| **20** | **Narela S/stn** | 40 | | 5.04 | **45.04** | | | 40 | | 5.04 | **45.04** | | |
| 1 | A-7 Narela | | | 14.4 | **14.4** | | | | | 14.4 | **14.4** | | |
| 2 | AIR Kham pur | | | 13.15 | **13.15** | | | | | 0 | **0** | 7 | |
| 3 | Badli | 20 | | 5.95 | **25.95** | | | 20 | | 5.95 | **25.95** | 21 | |
| 4 | DSIDC Narela | 20 | | 5.95 | **25.95** | | | 20 | | 5.95 | **25.95** | 14 | |
| 5 | DSIDC Narela-2 | | | 14.4 | **14.4** | | | | | 0 | **0** | | |
| 6 | Jahangirpuri | 20 | 20 | 5.95 | **45.95** | | | 20 | 10 | 5.95 | **35.95** | 27 | |
| | Total | | | | **184.8** | 203 | -38 | **100** | **10** | **37.29** | **147.3** | **69** | |
| **21** | **Gopalpur S/stn** | | 30 | 5.04 | **35.04** | | | | 20 | 5.04 | **25.04** | | |
| 1 | Azad Pur | | | 21.6 | **21.6** | | | | | 21.6 | **21.6** | 12 | |
| 2 | Hudson Lane | | | 5.95 | **5.95** | | | | | 5.95 | **5.95** | 4 | |
| 3 | Wazirabad | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 3 | |
| 4 | Indra Vihar | | | 5.95 | **5.95** | | | | | 5.95 | **5.95** | | |
| 5 | Tri Nagar | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 3 | |
| 6 | GTK Road | | | 13.15 | **13.15** | | | | | 7.2 | **7.2** | 3 | |
| 7 | Jahangirpuri | | | | **0** | | | | | | **0** | | |
| 8 | Civil lines | | | 6 | **6** | | | | | 6 | **6** | | |
| 9 | DIFR | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | | |
| 10 | Delhi Univ. | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | | |
| 11 | Tiggipur | | | 14.4 | **14.4** | | | | | 14.4 | **14.4** | | |
| | Total | | | | **138.1** | 209 | 20 | | | | **114.9** | **25** | |
| **22** | **Rohini S/stn** | 40 | | 6 | **46** | | | 40 | | 6 | **46** | | |
| 1 | Rohini Sec-24 Ckt-I | | | 14.4 | **14.4** | | | | | 14.4 | **14.4** | 9 | |
| 2 | Rohini Sec-24 Ckt-II | 20 | | 14.4 | **34.4** | | | 20 | | 0 | **20** | 9 | |
| 3 | Rohini-1 | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 3 | |
| 4 | Rohini-2 | | | 13.15 | **13.15** | | | | | 5.95 | **5.95** | 7 | |
| 5 | Rohini-3 | | | 5.95 | **5.95** | | | | | 5.95 | **5.95** | 4 | |
| 6 | Rohini-4 | | | 13.15 | **13.15** | | | | | 13.15 | **13.15** | 9 | |
| 7 | Rohini-5 | | | 13.15 | **13.15** | | | | | 13.15 | **13.15** | 22 | |
| 8 | Rohini-6 | 20 | | 5.95 | **25.95** | | | 20 | | 5.95 | **25.95** | 3 | |
| 9 | Mangolpuri-1 | | | 20.35 | **20.35** | | | | | 5.95 | **5.95** | 3 | |
| 10 | Mangolpuri-2 | 20 | | 5.04 | **25.04** | | | 20 | | 0 | **20** | 13 | |
| 11 | Saraswati Garden | | | 10.08 | **10.08** | | | | | 5.04 | **5.04** | 4 | |
| 12 | Pitam Pura-1 | 20 | | 12.24 | **32.24** | | | 20 | | 5.04 | **25.04** | 14 | |
| 13 | Pitam Pura-2 | | | 12.24 | **12.24** | | | | | 0 | **0** | 0 | |
| 14 | Pitam Pura-3 | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 4 | |
| 15 | Rohini DC-1 | | | 14.4 | **14.4** | | | | | 14.4 | **14.4** | | |
| | Total | | | | **294.9** | 317 | 21 | | | | **229.4** | **104** | |

| Sl. No | SUB-STATION | INSTALLED CAPACITY IN MVAR | | | | Load IN | | WORKING CAPACITY IN MVAR | | | | Lumped Load IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR | 66KV | 33kV | 11kV | **TOTAL** | MW | MVAR |
| **23** | **Kanjhawala S/stn** | 20 | | 5.04 | **25.04** | | | 20 | | 5.04 | **25.04** | | |
| 1 | Bawana Clear Water | | | 14.4 | **14.4** | | | | | 7.2 | **7.2** | 3 | |
| 2 | Pooth Khoord | | | 7.2 | **7.2** | | | | | 7.2 | **7.2** | 3 | |
| 3 | Ghevra | | | 14.4 | **14.4** | | | | | 14.4 | **14.4** | | |
| | Total | | | | **61.04** | 58 | -13 | | | | **53.84** | **6** | |
| **24** | **BAWANA S/stn** | | | | | | | | | | | | |
| 1 | Bawana S/stn No. 6 | | | | **0** | | | | | | **0** | | |
| 2 | Bawana S/stn No. 7 | | | | **0** | | | | | | **0** | | |
| | Total | | | | **0** | 47 | 20 | | | | **0** | | |
| **25** | **Kashmeregate S/stn** | | | 5.04 | **5.04** | | | | | 5.04 | **5.04** | | |
| 1 | Civil lines | | | 6 | **6** | | | | | 6 | **6** | 9 | |
| 2 | Town Hall | | | 8.64 | **8.64** | | | | | 8.64 | **8.64** | 8 | |
| 3 | Fountain | | | 5.45 | **5.45** | | | | | 5.45 | **5.45** | 4 | |
| | Total | | | | **25.13** | 50 | 7 | | | | **25.13** | **21** | |
| **26** | **Pappankalan-II** | | | | | | | | | | | | |
| 1 | DMRC-I | | | | | | | | | | | | |
| 2 | DMRC-II | | | | | | | | | | | | |
| | Total | | | | | 99 | 12 | | | | | | |
| | **TOTAL CAPACITY** | | | | **3636** | **4687** | **604** | | | | **2502** | **1635** | |

## 20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JANUARY 2012

| SL NO | OCCURRENCE OF BREAK-DOWN | | DETAILS OF THE BREAKDOWN | TIME OF RESTORATION | | REMARKS |
|---|---|---|---|---|---|---|
| | DATE | TIME | | DATE | TIME | |
| 01 | 02.01.12 | 07.46 | 220KV BTPS – MEHRAULI CKT-I | 02.01.12 | 15.17 | CKT. TRIPPED ON `R' PHASE E/F AT BTPS AND ON DIST PROT `A' PHASE, 86 AT MEHRAULI. CKT. TRIED TO CLOSE AT 08.20HRS. BUT DID NOT HOLD AND AGAIN TRIPPED ON DIST PROT `A' PHASE ZONE-I AT MEHRAULI. LINE WAS PATROLLED AND NO FAULT OBSERVED. CKT. FINALLY CHARGED AT 15.17HRS. |
| | | | | | | |
| 02 | 05.01.12 | 00.58 | VARIOUS TRIPPINGS IN DTL SYSTEM | | | DETAILED REPORT ENCLOSED |
| | | | | | | |
| 03 | 05.01.12 | 23.01 | 220KV PANIPAT – NARELA CKT-I | 05.01.12 | 23.19 | CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. AUTO RECLOSE OPERTED AT PANIPAT |
| | | | | | | |
| 04 | 06.01.12 | 00.31 | 220KV PANIPAT – NARELA CKT-I | 06.01.12 | 16.42 | CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. RELAY INDICATIONS AT PANIPAT END ARE NOT AVAILABLE. |
| | | | | | | |
| 05 | 06.01.12 | 00.59 | 220KV BTPS – MEHRAULI CKT-I & II | 06.01.12 | 01.40 | THE CKTS TRIPPED ON FOLLOWING INDICATIONS :-<br>AT BTPS<br>220KV MEHRAULI CKT-I : 186, 30G, 30H, 30A, 86X1, 86X2<br>220KV MEHRAULI CKT-II : 186, 30G, 30C, 86X1, 86X2<br>AT MEHRAULI :<br>220KV BTPS CKT-I : DIST PROT `A' PHASE ZONE-I, 186, 86<br>220KV BTPS CKT-II : DIST PROT `ABC' PHASE ZONE-I, 186<br>CKT-I & II CHARGED AT 01.30HRS. AND 01.40HRS RESPECTIVELY FROM BTPS. |
| | | | | | | |
| 06 | 06.01.12 | 03.23 | 220KV BTPS – MEHRAULI CKT-II | 06.01.12 | 20.48 | CKT.TRIPPED ON 30G, 30B, 186, 86X1, 86X2 AT MEHRAULI. EARTH WIRE REPORTED TO BE BROKEN NEAR PLOT NO.162, SULTANPUR METRO STATION. |
| | | | | | | |
| 07 | 06.01.12 | 22.25 | 220/33KV 100MVA PR. TR.-II AT IP | 06.01.12 | 02.50 | TR. TRIPPED ON O/C `Y' PHASE AS `Y' PHASE CONDUCTOR OF BAY-14 (100MVA TR-II) AND JUMPER OF 33KV BAY-25 (IP - KILOKARI) SNAPPED |
| | | | | | | |
| 08 | 06.01.12 | 23.15 | 220/33KV 100MVA PR. TR.-III AT IP | 07.01.12 | 02.15 | TR. TRIPPED AS `Y' PHASE CONDUCTOR OF BAY-14 AND JUMPER OF 33KV BAY-25 SNAPPED |
| | | | | | | |
| 09 | 06.01.12 | 19.35 | 400KV BAWANA – MUNDKA CKT-I | 06.01.12 | 20.50 | CB-42052 OF 400KV BAWANA – MUNDKA CKT-I TRIPPED ON POLE DISCREPANCY AT MUNDKA. CKT. REMAINED CHARGED THROUGH CB-41952. |
| | | | | | | |
| 10 | 06.01.12 | 22.31 | 220KV MANDOLA – WAZIRABAD CKT-IV | 07.01.12 | 16.33 | CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-III, SOTF AT WAZIRABAD AND ON DIST PROT ZONE-I AT MANDOLA. |
| | | | | | | |
| 11 | 06.01.12 | 22.35 | 220KV PRAGATI – SARITA VIHAR CKT. | 07.01.12 | 02.33 | CKT. TRIPPED ON POLE DISCREPANCY AT SARITA VIHAR END. CKT. TRIED TO CLOSE AT 23.45HRS. BUT DID NOT HOLD AND COULD BE CHARGED AT 02.30HRS. ON 07.01.2012 |
| | | | | | | |
| 12 | 07.01.12 | 06.03 | 220KV BAMNAULI – NAJAFGARH CKT-I | 07.01.12 | 06.45 | CKT. TRIPPED ON POLE DISCREPANCY, 186A&B AT BAMNAULI. CKT. DID NOT TRIP AT NAJAFGARH. |
| | | | | | | |
| 13 | 07.01.12 | 07.04 | 400KV BAWANA – MUNDKA CKT-I | 07.01.12 | 12.04 | CB-42052 OF THE CKT. TRIPPED ON POLE DISCREPANCY AT MUNDKA END. CKT. REMAINED CHARGED THROUGH CB-41952 |
| | | | | | | |
| 14 | 07.01.12 | 07.45 | 220KV BAMNAULI – NAJAFGARH CKT-I | 07.01.12 | 12.14 | CKT. TRIPPED ON POLE DISCREPANCY AT NAJAFGARH. NO TRIPPING AT BAMNAULI. |
| | | | | | | |
| 15 | 07.01.12 | 16.29 | 220/33KV 100MVA PR. TR -III AT SHALIMAR BAGH | 07.01.12 | 18.40 | TR. TRIPPED ON 86, 87, LVREF ALONG WITH 33KV I/C-III WHICH TRIPPED ON 86 |
| | | | | | | |
| 16 | 10.01.12 | 07.52 | 220KV WAZIRABAD – GEETA COLONY CKT-II | 10.01.12 | 08.10 | CKT. TRIPPED PM 596X, 30E AT GEETA COLONY. NO TRIPPING AT WAZIRABAD. 220KV BUS BAR PROTECTION OPERATED ON 220KV BUS-II AT GEETA COLONY. |

| SL NO | OCCURRENCE OF BREAK-DOWN | | DETAILS OF THE BREAKDOWN | TIME OF RESTORATION | | REMARKS |
|---|---|---|---|---|---|---|
| | DATE | TIME | | DATE | TIME | |
| | | | | | | |
| 17 | 10.01.12 | 07.52 | 220KV GEETA COLONY – PATPARGANJ CKT-II | 10.01.12 | 08.10 | CKT. TRIPPED PM 396X, 30E AT GEETA COLONY. NO TRIPPING AT PATPARGANJ. 220KV BUS BAR PROTECTION OPERATED ON 220KV BUS-II AT GEETA COLONY. |
| | | | | | | |
| 18 | 10.01.12 | 07.52 | 220/33KV 100MVA PR. TR -II AT GEETA COLONY | 10.01.12 | 08.10 | TR. TRIPPED ON 796X, 30E ALONG WITH 33KV I/C-II WHICH TRIPPED ON INTER TRIPPING. 220KV BUS COUPLER ALSO TRIPPED ON 196XB, 30E. 220KV BUS BAR PROTECTION OPERATED ON 220KV BUS-II AT GEETA COLONY. |
| | | | | | | |
| 19 | 10.01.12 | 07.52 | 220KV MANDOLA – WAZIRABAD CKT-IV | 10.01.12 | 08.13 | CKT. TRIPPED ON SOTF AT WAZIRABAD. NO TRIPPING AT MANDOLA. |
| | | | | | | |
| 20 | 10.01.12 | 09.42 | 220KV BAWANA – ROHINI CKT-I | 10.01.12 | 09.47 | CKT. TRIPPED ON LOW AIR PRESSURE AT BAWANA. NO TRIPPING AT ROHINI. |
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| 21 | 15.01.12 | 13.36 | 220KV WAZIRABAD – KASHMIRI GATE CKT-I | 15.01.12 | 14.47 | CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE. |
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| 22 | 16.01.12 | 04.01 | 400KV JHAJJAR – MUNDKA CKT-I | 16.01.12 | 07.30 | BOTH CB TRIPPED ON 86A&B, PANEL-I DIRECT TRIP AT MUNDKA. RELAY INDICATION AT JHAJJAR END ARE NOT AVAILABLE. CKT. REMAINED UNCHARGED UPTO 07.30HRS. DUE TO HIGH VOLTAGE AND AS PER INSTRUCTION OF NRLDC. CKT CLOSED AT 07.30HRS. |
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| 23 | 16.01.12 | 04.44 | 66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-I | 17.01.12 | 18.40 | TR. TRIPPED ON 86, 87BC, 64RLV, E/F ALONG WITH 11KV I/C-II WHICH TRIPPED WITHOUT INDICATION. CABLE END BOX BURNT AND LA DAMAGED. |
| | | | | | | |
| 24 | 16.01.12 | 04.54 | 220KV BAWANA – ROHINI CKT-II | 16.01.12 | 18.26 | CKT. TRIPPED ON DIST PROT `B' PHASE AT BAWANA. NO TRIPPING AT ROHINI. CKT. TRIED TO CLOSE AT 05.12HRS. BUT DID NOT HOLD AND TRIPPED ON SOTF, 186A&B `Y' PHASE LA BLAST AT 220KV ROHINI. |
| | | | | | | |
| 25 | 17.01.12 | 09.15 | 220KV KANJHAWALA – NAJAFGARH CKT. | 17.01.11 | 19.19 | CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 186 AT NAJAFGARH. 220KV BUS COUPLER TRIPPED AT KANJHAWALA. |
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| 26 | 17.01.12 | 09.15 | 220KV BAWANA – NAJAFGARH CKT. | 17.01.11 | 09.28 | CKT. TRIPPED ON 186, 21XR1, 21XY1, 21XR2, 21XYZ, 21XB2 AT BAWANA AND ON DIST PROT `ABC' PHASE ZONE-I AT NAJAFGARH. |
| | | | | | | |
| 27 | 18.01.12 | 05.16 | 220KV BAMNAULI – NARAINA CKT-I & II | 18.01.11 | 06.22 | BOTH CKT. TRIPPED ON A/R/L, 186A&B AT NARAINA. NO TRIPPING AT BAMNAULI. 220KV BUS DIFFERENTIAL OPERATED AT NARAINA. CKT-I & II CHARGED AT 06.40HRS. AND 06.22HRS. RESPECTIVELY. |
| | | | | | | |
| 28 | 18.01.12 | 05.16 | 220/33KV 100MVA PR. TR.-III AT NARAINA | 18.01.12 | 06.26 | TR. TRIPPED WITHOUT INDICATION. 220KV BUS DIFFERENTIAL OPERATED AT NARAINA. |
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| 29 | 18.01.12 | 05.56 | 220KV NARAINA – RIDGE VALLEY CKT. | 18.01.12 | 06.42 | CKT. TRIPPED WITHOUT INDICATION AT NARAINA. NO TRIPPING AT RIDGE VALLEY. 220KV BUS DIFFERENTIAL OPERATED AT NARAINA. |
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| 30 | 18.01.12 | 08.00 | 220KV GEETA COLONY – PATPARGANJ CKT-II | 18.01.12 | 08.46 | AT GEETA COLONY, CKT. TRIPPED ON DIST PROT. ZONE-II, 3-ΦTRIP. AT PATPARGANJ, CKT. TRIPPED ON ZONE-II, 3-ΦTRIP, 186 |
| | | | | | | |
| 31 | 19.01.12 | 22.53 | 220KV BAMNAULI – NARAINA CKT-II | 19.01.11 | 23.05 | CKT. TRIPPED ON 96, 86B AT NARAINA DUE TO OPERATION OF BUS BAR PROTECTION AT NARAINA. NO TRIPPING AT BAMNAULI |
| | | | | | | |
| 32 | 19.01.12 | 22.53 | 220/33KV 100MVA PR. TR.-III AT NARAINA | 19.01.12 | 23.05 | TR. TRIPPED WITHOUT INDICATION DUE TO OPERATION OF BUS BAR PROTECTION AT NARAINA. |
| | | | | | | |
| 33 | 19.01.12 | 22.53 | 220KV NARAINA – RIDGE VALLEY CKT. | 20.01.12 | 07.50 | CKT. TRIPPED WITHOUT INDICATION AT NARAINA. DUE TO OPERATION OF BUS BAR PROTECTION AT NARAINA. NO TRIPPING AT RIDGE VALLEY. |
| | | | | | | |

| SL NO | OCCURRENCE OF BREAK-DOWN | | DETAILS OF THE BREAKDOWN | TIME OF RESTORATION | | REMARKS |
|---|---|---|---|---|---|---|
| | DATE | TIME | | DATE | TIME | |
| | | | | | | |
| 34 | 20.01.12 | 11.22 | 220KV BTPS – NOIDA – GAZIPUR CKT. | 20.01.12 | 14.25 | CKT. TRIPPED ON E/F AT BTPS. NO TRIPPING AT GAZIPUR |
| | | | | | | |
| 35 | 20.01.12 | 14.48 | 220KV MAHARANI BAGH – PRAGATI CKT. | 20.01.12 | 15.28 | CKT. TRIPPED ON POLE DISCREPANCY `R&Y' PHASE AT MAHARANI BAGH. NO TRIPPING AT PRAGATI. |
| | | | | | | |
| 36 | 20.01.12 | 17.35 | 400/220KV 315MVA ICT-II & II AT BAMNAULI. | 20.01.12 | 19.46 | ICT-II TRIPPED ON AUTO RECLOSE, 186A&B, TRIP GROUP-I, 86A-1, TRIP GROUP-B XB86-B-1 AND ICT-IV TRIPPED ON AUTO RECLOSE, 186A&B ALONG WITH 220KV I/C-II & IV WHICH TRIPPED ON INTER TRIPPING. BOTH ICT CHARGED AT 19.46HRS. |
| | | | | | | |
| 37 | 20.01.12 | 17.35 | 220KV BAMNAULI – PAPPANKALAN-II CKT-I & II | 20.01.12 | 18.29 | THE FOLLOWING TRIPPINGS OCCURRED :-<br>AT BAMNAULI<br>220KV PAPPANKALAN-II CKT-I : NO TRIPPING.<br>220KV PAPPANKALAN-II CKT-II : DIST PROT `A&B' PHASE<br><br>AT PAPPANKALAN-II :<br>220KV BAMNAULI CKT-I : 86, DIST PROT.<br>220KV BAMNAULI CKT-II : NO TRIPPING<br>CKT-I & II CHARGED AT 17.53HRS. AND 18.29HRS. RESPECTIVELY. |
| | | | | | | |
| 38 | 20.01.12 | 17.35 | 220KV BAMNAULI – NAJAFGARH CKT-I | 20.01.12 | 11.55 | CKT. TRIPPED ON DIST PROT `A&B' PHASE AT BAMNAULI AND ON DIST PROT ZONE-I, 186 AT NAJAFGARH. |
| | | | | | | |
| 39 | 20.01.12 | 17.35 | 220KV BAMNAULI – NARAINA CKT-I & II | 20.01.12 | 17.50 | CKT-I TRIPPED ON DIRECTIONAL E/F, 67N, 186XYB AND CKT-II TRIPPED ON DIST PROT 86A, 86B, 86, 186X, 186B, AUTO RECLOSE AT NARAINA. |
| | | | | | | |
| 40 | 20.01.12 | 17.35 | 220KV BAMNAULI – PAPPANKALAN-I CKT-I & II | 20.01.12 | 17.45 | THE FOLLOWING TRIPPINGS OCCURRED :<br>AT PAPPANKALAN-I :<br>220KV BAMNAULI CKT-I : DIRECTIONAL E/F, 67N, 186XA, 186XB, ABB, AUTO RECLOSE, D/P. VT FUSE FAIL<br>220KV BAMNAULI CKT-I : DIST PROT, 86A, 86B, AUTO RECLOSE, 186A&B, VT FUSE FAIL.<br>NO TRIPPING AT BAMNAULI ON BOTH CIRCUITS. CKT.-I & II CHARGED AT 19.11HRS. AND 17.45HRS. RESPECTIVELY. |
| | | | | | | |
| 41 | 20.01.12 | 17.35 | 220/66KV 100MVA PR. TR.-I & II AT PAPPANKALAN-I | 20.01.12 | 17.58 | TR.-I TRIPPED ON PROTECTION GROUP-B, 86B, 51N, E/F, O/C AND TR.-II TRIPPED ON 51N, E/F, 86B, PROTECTION GROUP-B. 66KV I/C-II ALSO TRIPPED ON 86. BOTH TRANSFORMERS CHARGED AT 17.58HRS. |
| | | | | | | |
| 42 | 20.01.12 | 17.35 | 220KV BAMNAULI – DIAL CKT-I & II | 22.01.12 | 11.03 | THE FOLLOWING TRIPINGS OCCURRED :-<br>AT DIAL :<br>220KV BAMNAULI CKT-I : RLL FUSE FAIL, RED COMMUNICATION 52, CVT AVAILABLE.<br>220KV BAMNAULI CKT-II : BREAKER PROTECTION INDICATION, 52 CB TROUBLE ALARM, CVT AVAILABLE.<br>NO TRIPPING AT BAMNAULI. DIAL LOAD CHANGED OVER TO MEHRAULI AT 17.40HRS. |
| | | | | | | |
| 43 | 20.01.12 | 17.35 | 220/66KV 100MVA PR. TR.-I AT PAPPANKALAN-II | 20.01.12 | 18.29 | TR. TRIPPED ON 86, O/C |
| | | | | | | |
| 44 | 20.01.12 | 17.35 | 220/66KV 160MVA PR. TR.-II AT RIDGE VALLEY | 20.01.12 | 17.50 | TR. TRIPPED ON 86A&B, GENERAL TRIP ALONG WITH 66KV I/C-II WHICH TRIPPED ON 86A&B |
| | | | | | | |
| 45 | 21.01.12 | 14.58 | 220KV MANDOLA – NARELA CKT-I & II | 21.01.12 | 16.17 | MAL OPERATION OF SPECIAL PROTECTION SCHEME AT MANDOLA. NO TRIPPING AT NARELA. |
| | | | | | | |
| 46 | 21.01.12 | 14.58 | 220KV MANDOLA – GOPALPUR CKT-II | 21.01.12 | 16.09 | MAL OPERATION OF SPECIAL PROTECTION SCHEME AT MANDOLA. NO TRIPPING AT GOPALPUR |

| SL NO | OCCURRENCE OF BREAK-DOWN | | DETAILS OF THE BREAKDOWN | TIME OF RESTORATION | | REMARKS |
|---|---|---|---|---|---|---|
| | DATE | TIME | | DATE | TIME | |
| | | | | | | |
| 47 | 21.01.12 | 14.58 | 220/33KV 100MVA PR. TR.-I AT GOPALPUR | 21.01.12 | 15.33 | TR. TRIPPED WITHOUT INDICATION. |
| | | | | | | |
| 48 | 26.01.12 | 03.53 | 220/33KV 100MVA PR. TR.-I & II AT GEETA COLONY | 26.01.12 | 04.08 | TR.-I & II TRIPPED ON 86, 30E. 33KV I/C-I TRIPPED ON 30, O/C AND 33KV I/C-II TRIPPED ON 30, O/C, E/F. |
| | | | | | | |
| 49 | 26.01.12 | 23.34 | 66/11KV 20MVA PR. TR.-I AT VASANT KUNJ | 29.01.12 | 05.47 | TR. TRIPPED ON 86, 87, O/C, HV LV REF ALONG WITH 11KV I/C-I WHICH TRIPPED ON INTER TRIPPING. |
| | | | | | | |
| 50 | 31.01.12 | 12.19 | 220KV PANIPAT – NARELA CKT-I | 31.01.12 | 12.28 | CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 186 AT NARELA. NO TRIPPING AT PANIPAT. |

## 20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JANUARY 2012

| DATE | S. N. | TIME | | Name of Grid | NAME OF AFFECTED FEEDERS | LOAD RELIEF IN MW |
|---|---|---|---|---|---|---|
| | | OUT | IN | | | |
| 05.01.2012 | 1 | 06.58 | 07.50 | RPH STATION | BAY NO. 1, 2, 5, 6, 13 & 18 | 23 |
| | 2 | 06:58 | 7:14 | I.P.STATION | BAY NO. 37 (KILOKARI) | 4 |
| | 3 | 7:40 | 7:47 | I.P.STATION | BAY NO. 24 (DEFENCE COLONY) | 0 |