# DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

# PROGRESS REPORT

**********

DECEMBER 2013

## 1 SALIENT FEATURES OF DELHI POWER SYSTEM

| Sr. No. | Features | DECEMBER 2012 | DECEMBER 2013 |
|---|---|---|---|
| 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 | 108 |
| | Bawana | 685 | 902 |
| | TOWMCL | 16 | 16 |
| | Total | 2249 | 2466 |
| **2** | **Maximum Unrestricted Demand (MW)** | **3836** | **3779** |
| | Date | 28.12.2012 | 31.12.2013 |
| | Time | 10.33.03 | 10.13.09 |
| **3** | **Peak Demand met (MW)** | **3643** | **3775** |
| | Date | 31.12.2012 | 31.12.2013 |
| | Time | 10.59.32 | 10.13.09 |
| 4 | Peak Availability (MW) | 3552 | 3777 |
| 5 | Shortage (-) / Surplus (+) in MW | (-) 91 | (+) 2 |
| 6 | Percentage Shortage (-) / Surplus (+) | (-) 2.5 | (+) 0.05 |
| 7 | Maximum Energy Consume in a day (Mus) | 61.162 | 64.968 |
| 8 | Energy Consumed during the month | **1726.339** | **1823.688** |
| **9** | **Load Shedding in Mus** | | |
| A) | Due to Grid Restrictions | | |
| i) | Under Frequency Relay Operations | 0.000 | 0.000 |
| ii) | Manual Load shedding from DTL S/Stns. | 0.000 | 0.000 |
| iii) | Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation | | |
| | NDPL | 4.134 | 1.129 |
| | BRPL | 1.939 | 2.354 |
| | BYPL | 4.687 | 0.636 |
| | NDMC | 0.000 | 0.012 |
| | MES | 0.000 | 0.000 |
| iv) | Due to transmission Constraints in Central Sector | 0.000 | 0.000 |
| | **Total due to Grid Restriction** | **10.760** | **4.131** |
| B) | Due to Constraints in System in Mus | | |
| | DTL | 0.188 | 0.250 |
| | NDPL | 0.422 | 0.158 |
| | BRPL | 0.146 | 0.255 |
| | BYPL | 0.438 | 0.129 |
| | NDMC | 0.000 | 0.000 |
| | MES | 0.000 | 0.000 |
| | Other Agencies | 0.008 | 0.003 |
| | **Total** | **1.202** | **0.796** |
| **11** | **Grand Total in Mus** | **11.962** | **4.927** |

## 2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2013

### A) For the month of December 2013

**All Figures in MUs**

| S. No | Stations | Gross Generation | Aux. Consumption | Net Generation | Availability (%) | Backing Down |
|---|---|---|---|---|---|---|
| **1.** | **RPH** | 0.000 | 0.227 | -0.227 | 83.49 | 74.400 |
| **2.** | **GT** | 66.243 | 1.861 | 64.382 | 90.58 | 112.76 |
| **3.** | **PPCL** | 222.868 | 5.279 | 217.589 | 98.68 | 17.233 |
| **4.** | **BTPS** | 300.218 | 25.078 | 275.140 | 98.14 | 181.669 |
| **5.** | **Rithala** | 0.000 | 0.089 | -0.089 | **89.17** | 61.008 |
| **6.** | **Bawana** | 2.337 | 2.300 | 0.037 | 95.72 | 623.000 |
| **7.** | **Towmcl** | 7.095 | 1.450 | 5.645 | -- | -- |
| | **TOTAL** | **598.761** | **36.284** | **562.477** | **--** | **1070.07** |

### B) For the Year 2013-14 (Upto December 2013)

| Power Station | Effective Capacity (MW) | Net Generation in MUs for Dec. 2013 | Availability (%) for Dec. 2013 | PLF (%) for Dec 2013 | Cumulative Generation in MUs upto Dec 2013 for the year 2013-14 | Cumulative Availability in % upto Dec 2013 for the year 2013-14 | Cumulative PLF in % upto Dec. 2013 for the year 2013-14 |
|---|---|---|---|---|---|---|---|
| **RPH** | 135 | -0.227 | 83.49 | 0 | 301.401 | 64.13 | 38.97 |
| **GT** | 270 | 64.382 | 90.58 | 32.71 | 762.433 | 88.01 | 44.24 |
| **PPCL** | 330 | 217.589 | 98.68 | 91.44 | 1780.949 | 92.12 | 84.10 |
| **BTPS** | 705 | 275.140 | 98.14 | 59.23 | 2884.172 | 92.61 | 69.52 |
| **Rithala** | 108 | -0.089 | **89.17** | 0 | -0.839 | **88.85** | **00.05** |
| **Bawana** | 902 | 0.037 | 95.72 | 0 | 613.995 | 91.90 | 11.25 |
| **Towmcl** | 16 | 5.645 | -- | 59.60 | 71.479 | -- | -- |
| **TOTAL** | **2466** | **562.477** | **--** | **--** | **6413.59** | **--** | -- |

# 3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2012

**(A) RPH STATION**

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 67.5 | 03.04.13 | 18.35 | 03.04.13 | 19.45 | Unit tripped due to drum level very low. |
| | | 04.04.13 | 08.55 | 04.04.13 | 09.45 | Unit tripped due to drum level low. |
| | | 14.04.13 | 10.20 | 14.04.13 | 15.40 | Unit desynchronised to attend the CW line leakage. |
| | | 19.04.13 | 08.25 | 19.04.13 | 16.40 | Unit desynchronised to attend the Boiler window repairing. |
| | | 19.04.13 | 17.00 | 19.04.13 | 17.30 | Unit tripped due to bay no. 20 tripped. |
| | | 03.05.13 | 20.00 | 05.05.13 | 03.30 | Unit desynchronised to attend the Boiler tube leakage. |
| | | 05.05.13 | 11.40 | 05.05.13 | 13.40 | Unit tripped due to drum level low. |
| | | 05.05.13 | 15.55 | 05.05.13 | 20.15 | Dark out due to Reacter on bay no. 9 had been blasted. |
| | | 19.05.13 | 07.10 | 24.05.13 | 04.40 | Unit desynchronised due to shortage of coal fuel and to attend the CW line leakage. |
| | | 25.05.13 | 01.50 | 25.05.13 | 03.20 | Unit tripped due to Furnace pr. very high. |
| | | 01.06.13 | 12.40 | 01.06.13 | 13.55 | Unit tripped due to drum level low. |
| | | 02.06.13 | 11.55 | 02.06.13 | 13.05 | Unit tripped due to Furnace pr. very high. |
| | | 06.06.13 | 17.10 | 06.06.13 | 20.05 | Dark out due to 22K 9F, unit tripped. |
| | | 16.06.13 | 18.35 | 19.06.13 | 13.50 | Unit desynchronised as per system operation. |
| | | 21.06.13 | 22.50 | 24.06.13 | 14.50 | Unit desynchronised to attend the Boiler tube leakage. |
| | | 02.07.13 | 12.55 | 02.07.13 | 14.25 | Dark out due to grid disturbance. |
| | | 09.07.13 | 23.30 | 10.07.13 | 00.25 | Unit tripped due to flame failure. |
| | | 10.07.13 | 00.40 | 10.07.13 | 03.40 | Unit tripped due to ST-1 trip. |
| | | 10.07.13 | 04.10 | 10.07.13 | 04.35 | Unit tripped due to furnace pressure high. |
| | | 10.07.13 | 04.40 | 15.07.13 | 12.05 | Unit tripped due to furnace pressure high (suspected boiler tube leakage). |
| | | 16.07.13 | 11.00 | 22.07.13 | 00.05 | Unit tripped due to furnace pressure very high. |
| | | 22.07.13 | 03.55 | 22.07.13 | 04.25 | |
| | | 22.07.13 | 10.45 | 22.07.13 | 12.00 | Dark out due to 220kv supply failure. |
| | | 23.07.13 | 19.15 | 01.08.13 | 23.00 | Unit tripped on furnace pressure very high due to boiler tube leakage. |
| | | 02.08.13 | 10.00 | 02.08.13 | 10.50 | Unit tripped due to flame failure |
| | | 03.08.13 | 10.55 | 03.08.13 | 12.35 | Dark out due to grid disturbance |
| | | 03.08.13 | 12.45 | 03.08.13 | 13.05 | Unit tripped due to drum level low |
| | | 03.08.13 | 13.15 | 03.08.13 | 13.45 | Unit tripped due to turbine trip |
| | | 07.08.13 | 19.35 | 07.08.13 | 20.55 | Unit tripped due to flame failure |
| | | 07.08.13 | 21.05 | 07.08.13 | 22.25 | Ujnit tirpped due to drum level very low |
| | | 08.08.13 | 08.05 | 16.08.13 | 17.40 | Stopped due to low demand and high frequency |
| | | 21.08.13 | 06.55 | 21.08.13 | 08.35 | Unit tripped due to turbine trip |
| | | 22.08.13 | 02.15 | 22.08.13 | 03.00 | Unit tripped on furnance pressure very high |
| | | 22.08.13 | 22.00 | 27.08.13 | 17.40 | Unit tripped due to heavy steam leakage from turbine control valve |
| | | 11.09.13 | 03.23 | 12.09.13 | 15.15 | Shortage of raw water |
| | | 16.09.13 | 05.05 | 16.09.13 | 12.19 | Coal mill problem |
| | | 22.09.13 | 05.58 | 24.09.13 | 14.00 | Stopped due to low demand and high frequency |
| | | 27.09.13 | 23.00 | 27.09.13 | 23.30 | Furnance pressure high |
| | | 28.09.13 | 17.00 | 28.09.13 | 18.00 | Flame failure |
| | | 28.09.13 | 18.10 | 28.09.13 | 18.35 | Furnace pressure very high |
| | | 29.09.13 | 18.45 | 29.09.13 | 19.10 | Flame failure |
| | | 29.09.13 | 23.20 | 07.10.13 | 18.15 | Desynchronized to attend main stream temp; control line leakage |
| | | 07.10.13 | 20.50 | 07.10.13 | 21.25 | Furnace pressure very high |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 67.5 | 10.10.13 | 10.35 | 14.10.13 | 10.40 | Boiler tube leakage |
| | | 25.10.13 | 23.15 | 28.10.13 | 10.25 | Stopped due to less demand and high frequency |
| | | 28.10.13 | 10.45 | 28.10.13 | 11.15 | Drum level high |
| | | 04.11.13 | 12:00 | 31.12.13 | 23.59 | Stopped due to low demend |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 67.5 | 03.04.13 | 04.10 | 03.04.13 | 05.35 | Unit tripped due to turbine trip. |
| | | 05.04.13 | 20.00 | 06.04.13 | 04.05 | Unit desynchronised to attend the economiser tube leakage. |
| | | 14.04.13 | 10.10 | 14.04.13 | 18.15 | Unit desynchronised to attend the CW line leakage. |
| | | 04.05.13 | 09.20 | 06.05.13 | 03.25 | Unit desynchronised to attend the Economiser tube leakage. |
| | | 11.05.13 | 17.15 | 11.05.13 | 18.00 | Unit tripped due to turbine trip. |
| | | 11.05.13 | 23.20 | 11.05.13 | 23.45 | |
| | | 19.05.13 | 07.15 | 19.05.13 | 20.55 | Unit desynchronised to attend the CW line leakage. |
| | | 24.05.13 | 05.50 | 01.06.13 | 00.25 | Unit desynchronised due to shortage of coal fuel. |
| | | 01.06.13 | 19.20 | 07.06.13 | 14.20 | Unit tripped due to Boiler tube leakage. |
| | | 11.06.13 | 07.15 | 11.06.13 | 08.30 | Unit tripped due to birdage, bay No. 1 to 9 tripped. |
| | | 18.06.13 | 14.20 | 18.06.13 | 15.00 | Unit tripped due to turbine trip. |
| | | 02.07.13 | 12.55 | 02.07.13 | 14.10 | Dark out due to grid disturbance. |
| | | 02.07.13 | 23.55 | 03.07.13 | 00.55 | Unit tripped due to loss of fuel. |
| | | 10.07.13 | 00.45 | 10.07.13 | 02.00 | Unit tripped due to emergency board supply failure. |
| | | 10.07.13 | 10.45 | 10.07.13 | 11.55 | Unit tripped due to furnace pressure very high. |
| | | 10.07.13 | 13.50 | 10.07.13 | 17.10 | Unit desynchronised due to furnace pressure hunting. |
| | | 11.07.13 | 09.20 | 12.07.13 | 19.25 | Unit desynchronised, furnace disturbance due to wet coal. |
| | | 14.07.13 | 15.35 | 14.07.13 | 16.10 | Unit tripped due to furnace pressure very high. |
| | | 15.07.13 | 03.45 | 15.07.13 | 04.45 | Unit tripped due to furnace pressure high. |
| | | 19.07.13 | 07.50 | 19.07.13 | 08.20 | Unit tripped due to condensor vaccum low. |
| | | 21.07.13 | 03.55 | 23.07.13 | 22.20 | Unit desynchronised due to no coal flow. |
| | | 24.07.13 | 17.40 | 02.08.13 | 13.20 | Unit desynchronised to attend the leakage from ACW line. |
| | | 03.08.13 | 10.55 | 03.08.13 | 12.10 | Dark out due to grid disturbance |
| | | 16.08.13 | 19.30 | 23.08.13 | 22.20 | Stopped due to low demand and high frequency |
| | | 26.08.13 | 12.15 | 26.08.13 | 13.20 | Dark out due to grid disturbance |
| | | 28.08.13 | 22.15 | 13.09.13 | 16.23 | Unit desynchronised to attend the boiler tube leakage / coal mill problem |
| | | 26.09.13 | 09.55 | 21.10.13 | 11.30 | Boiler tube leakage |
| | | 25.10.13 | 23.15 | 26.10.13 | 00.50 | Electrical fault |
| | | 30.10.13 | 16.10 | 31.12.59 | 23.59 | Stopped due to low demand |

**(B) Gas Turbine**

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **1** | **30** | 01.04.13 | 0:00 | 01-04-13 | 5:45 | Stopped due to low demand and high frequency |
| | | 03.04.13 | 16:30 | 10-04-13 | 11:25 | |
| | | 18.04.13 | 23:20 | 19-04-13 | 12:01 | Machine stopped to rectify the faulty Controller |
| | | 19.04.13 | 12:15 | 22-04-13 | 5:47 | Stopped due to low demand and high frequency |
| | | 29.04.13 | 11:31 | 29-04-13 | 23:37 | |
| | | 07.05.13 | 1:45 | 13-05-13 | 14:25 | |
| | | 13.05.13 | 16:48 | 13-05-13 | 17:10 | Machine came on FSNL during charging of 160 MVA Trf. |
| | | 18.05.13 | 13:25 | 21-05-13 | 21:10 | Stopped due to low demand and high frequency |
| | | 30.05.13 | 21:45 | 17-06-13 | 22:55 | |
| | | 17.06.13 | 23:15 | 18-06-13 | 20:15 | |
| | | 28.06.13 | 10:52 | 28-06-13 | 22:00 | |
| | | 28.06.13 | 22:00 | 29-06-13 | 17:00 | Machine not available due to problem in Diesel Engine |
| | | 29.06.13 | 17:00 | 01-07-13 | 18:05 | Stopped due to low demand and high frequency |
| | | 01.07.13 | 21:35 | 02-07-13 | 17:45 | |
| | | 02.07.13 | 17:45 | 03-07-13 | 11:45 | Machine could not be started due to problem in EOP |
| | | 03.07.13 | 11:45 | 08-07-13 | 8:55 | Stopped due to low demand and high frequency |
| | | 12.07.13 | 11:50 | 15-07-13 | 8:00 | |
| | | 15.07.13 | 9:10 | 15-07-13 | 10:40 | |
| | | 17.07.13 | 11:20 | 18-07-13 | 20:35 | |
| | | 20.07.13 | 12:05 | 27-07-13 | 21:30 | |
| | | 27-07-13 | 21:40 | 28-07-13 | 0:12 | Machine could not be synchronised due to ignition pressure high trip. |
| | | 29-07-13 | 13:55 | 29-07-13 | 15:10 | Machine tripped due to GCV reference not followed and loss of flame |
| | | 31-07-13 | 10:40 | 31-07-13 | 11:27 | Machine came on FSNL due to grid disturbance |
| | | 31-07-13 | 17:30 | 01.08.13 | 23:42 | Stopped due to low demand and high frequency |
| | | 02.08.13 | 1:40 | 02.08.13 | 11:45 | |
| | | 02.08.13 | 12:40 | 04.08.13 | 10:41 | |
| | | 06.08.13 | 15:30 | 08.08.13 | 20:41 | |
| | | 09.08.13 | 1:20 | 28.08.13 | 0:30 | |
| | | 28.08.13 | 0:30 | 28.08.13 | 3:00 | Machine taken out from DC due to leakage in ACW line. |
| | | 28.08.13 | 3:00 | 28.08.13 | 11:45 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 11:45 | 28.08.13 | 14:00 | due to leakage in ACW line,GT# 1 not available |
| | | 28.08.13 | 14:00 | 05.09.13 | 10:53 | Stopped due to low demand and high frequency |
| | | 06.09.13 | 02:17 | 12.09.13 | 21:27 | |
| | | 13.09.13 | 18:18 | 07.10.13 | 12:20 | |
| | | 11.10.13 | 09:37 | 14.10.13 | 11:15 | |
| | | 15.10.13 | 03:02 | 16.10.13 | 13:44 | |
| | | 23.10.13 | 13:15 | 31.12.13 | 23:59 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 30 | 01-04-13 | 0:00 | 01-04-13 | 5:35 | Stopped due to low demand and high frequency |
| | | 03-04-13 | 12:02 | 09-04-13 | 5:50 | |
| | | 10-04-13 | 17:25 | 11-04-13 | 11:45 | |
| | | 28-04-13 | 21:40 | 28-04-13 | 23:45 | |
| | | 07-05-13 | 16:30 | 13-05-13 | 17:20 | |
| | | 17-05-13 | 16:20 | 28-06-13 | 22:00 | |
| | | 28-06-13 | 22:00 | 29-06-13 | 17:00 | Machine not available due to problem in Gas Valve |
| | | 29-06-13 | 17:00 | 02-07-13 | 17:45 | Stopped due to low demand and high frequency |
| | | 02-07-13 | 17:45 | 03-07-13 | 13:15 | Machine could not be started due to problem in EOP |
| | | 03-07-13 | 13:15 | 28.08.13 | 0:30 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 0:30 | 28.08.13 | 3:00 | Machine taken out from DC due to leakage in ACW line. |
| | | 28.08.13 | 3:00 | 28.08.13 | 11:45 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 11:45 | 28.08.13 | 14:00 | due to leakage in ACW line,GT# 2 not available |
| | | 28.08.13 | 14:00 | 31.12.13 | 23.59 | Stopped due to low demand and high frequency |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 3 | 30 | 01-04-13 | 0:00 | 01-04-13 | 7:30 | Stopped due to low demand and high frequency |
| | | 17-04-13 | 10:40 | 22-04-13 | 8:10 | |
| | | 28-04-13 | 21:46 | 29-04-13 | 10:55 | |
| | | 04-05-13 | 0:05 | 06-05-13 | 14:00 | |
| | | 07-05-13 | 1:50 | 07-05-13 | 12:00 | |
| | | 11-05-13 | 19:30 | 14-05-13 | 17:15 | |
| | | 14-05-13 | 18:23 | 14-05-13 | 21:00 | |
| | | 14-05-13 | 21:00 | 17-05-13 | 15:45 | |
| | | 06-06-13 | 17:04 | 06-06-13 | 19:00 | Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end. |
| | | 06-06-13 | 22:47 | 07-06-13 | 11:55 | Stopped due to low demand and high frequency |
| | | 09-06-13 | 8:09 | 09-06-13 | 9:50 | Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed . |
| | | 11-06-13 | 12:45 | 12-06-13 | 7:56 | Stopped due to low demand and high frequency |
| | | 14-06-13 | 8:45 | 17-06-13 | 20:50 | |
| | | 23-06-13 | 23:40 | 24-06-13 | 8:16 | |
| | | 28-06-13 | 9:40 | 28-06-13 | 21:13 | |
| | | 30-06-13 | 9:18 | 01-07-13 | 17:23 | |
| | | 02-07-13 | 12:44 | 02-07-13 | 13:40 | Machine came on FSNL due to grid disturbance |
| | | 12-07-13 | 14:25 | 12-07-13 | 21:30 | Stopped due to low demand and high frequency |
| | | 11-07-13 | 11:30 | 18-07-13 | 20:40 | |
| | | 20-07-13 | 12:06 | 20-07-13 | 13:22 | |
| | | 22-07-13 | 10:32 | 22-07-13 | 10:46 | Machine came on FSNL due to grid disturbance |
| | | 22-07-13 | 11:20 | 22-07-13 | 12:55 | Machine taken on FSNL due to voltage problem,160 MVA Tx. Not synchronised |
| | | 27-07-13 | 11:05 | 27-07-13 | 21:45 | Stopped due to low demand and high frequency |
| | | 28-07-13 | 20:05 | 30-07-13 | 20:53 | |
| | | 31-07-13 | 10:40 | 31-07-13 | 15:55 | Machine tripped due to grid disturbance |
| | | 03.08.13 | 10:56 | 03.08.13 | 11:23 | Machine came on FSNL due to grid disturbance |
| | | 03.08.13 | 11:23 | 05.08.13 | 19:30 | Stopped due to low demand and high frequency |
| | | 06.08.13 | 15:34 | 07.08.13 | 15:40 | |
| | | 09.08.13 | 22:15 | 26.08.13 | 9:15 | |
| | | 26.08.13 | 12:12 | 26.08.13 | 12:58 | machine tripped due to Grid disturbance |
| | | 28.08.13 | 0:30 | 28.08.13 | 2:50 | due to leakage in ACW line,GT not available |
| | | 08.09.13 | 12:32 | 11.09.13 | 11:55 | Stopped due to low demand and high frequency |
| | | 12.09.13 | 12:45 | 12.09.13 | 15:06 | |
| | | 13.09.13 | 09:15 | 13.09.13 | 17:05 | |
| | | 21.09.13 | 14:46 | 24.09.13 | 08:48 | |
| | | 02.10.13 | 00:32 | 06.10.13 | 04:55 | |
| | | 02.11.13 | 09:20 | 02.11.13 | 09:50 | Machine tripped due to Exhaust overtemperature trip |
| | | 02.11.13 | 09:50 | 02.11.13 | 17:25 | Machine not available due to P2 pressure high .(about 23 kg.) |
| | | 13.11.13 | 05:05 | 13.11.13 | 06:35 | Machine tripped due to Exhaust overtemperature trip |
| | | 23.11.13 | 13:25 | 23.11.13 | 17:10 | Tripped to change Air Filter. |
| | | 2.12.13 | 23:56 | 3.12.13 | 00:22 | machine tripped on Exhaust Over temp.High |
| | | 16.12.13 | 02:47 | 16.12.13 | 03:40 | machine Tripped on high TAD |
| | | 16.12.13 | 04:41 | 16.12.13 | 08:00 | machine Tripped on high TAD. |
| | | 16.12.13 | 08:00 | 20.12.13 | 15:30 | Stopped due to low demand and high frequency |
| | | 27.12.13 | 14:29 | 27.12.13 | 18:12 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 4 | 30 | 01-04-13 | 0:00 | 03-04-13 | 15:50 | Stopped due to low demand and high frequency |
| | | 17-04-13 | 10:40 | 27-04-13 | 3:15 | |
| | | 04-05-13 | 0:02 | 06-05-13 | 14:13 | |
| | | 07-05-13 | 13:20 | 07-05-13 | 15:55 | |
| | | 11-05-13 | 19:32 | 14-05-13 | 9:58 | |
| | | 21-05-13 | 13:10 | 21-05-13 | 17:10 | |
| | | 30-05-13 | 3:05 | 05-06-13 | 11:58 | |
| | | 06-06-13 | 17:04 | 06-06-13 | 17:15 | Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end. |
| | | 09-06-13 | 8:09 | 09-06-13 | 9:40 | Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed . |
| | | 11-06-13 | 12:45 | 12-06-13 | 7:54 | Stopped due to low demand and high frequency |
| | | 14-06-13 | 10:20 | 17-06-13 | 23:59 | |
| | | 18-06-13 | 0:00 | 19-06-13 | 21:45 | machine not available due to non availability of 66 KV breaker. |
| | | 19-06-13 | 21:45 | 21-06-13 | 9:22 | Machine not taken on bar due to less schedule from SLDC. |
| | | 24-06-13 | 14:46 | 24-06-13 | 15:30 | Stopped due to low demand and high frequency |
| | | 28-06-13 | 9:30 | 28-06-13 | 22:00 | |
| | | 28-06-13 | 22:00 | 29-06-13 | 12:10 | machine not available due to non availability of AC AOP |
| | | 02-07-13 | 12:44 | 02-07-13 | 13:05 | Machine came on FSNL due to grid disturbance |
| | | 17-07-13 | 11:30 | 18-07-13 | 23:27 | Stopped due to low demand and high frequency |
| | | 22-07-13 | 10:32 | 22-07-13 | 11:02 | Machine came on FSNL due to grid disturbance |
| | | 24-07-13 | 10:10 | 01.08.13 | 22:55 | Stopped due to low demand and high frequency |
| | | 03.08.13 | 10:56 | 03.08.13 | 11:58 | Machine came on FSNL due to grid disturbance |
| | | 04.08.13 | 12:50 | 05.08.13 | 20:05 | Stopped due to low demand and high frequency |
| | | 10.08.13 | 13:32 | 26.08.13 | 9:10 | |
| | | 26.08.13 | 12:12 | 26.08.13 | 13:05 | Machine came on FSNL due to grid disturbance |
| | | 28.08.13 | 0:32 | 28.08.13 | 3:00 | due to leakage in ACW line,GT not available |
| | | 28.08.13 | 3:00 | 28.08.13 | 5:12 | Stopped due to low demand and high frequency |
| | | 08.09.13 | 12:34 | 11.09.13 | 11:56 | |
| | | 12.09.13 | 12:45 | 12.09.13 | 15:05 | |
| | | 15.09.13 | 12:37 | 15.09.13 | 20:02 | |
| | | 17.09.13 | 21:30 | 19.09.13 | 09:27 | |
| | | 21.09.13 | 14:48 | 24.09.13 | 07:40 | |
| | | 03.10.13 | 16:55 | 06.10.13 | 10:05 | |
| | | 11.10.13 | 08:36 | 11.10.13 | 10:30 | Machine tripped on high exhaust temperature |
| | | 18.11.13 | 14.05 | 18.11.13 | 17.45 | Tripped to clean air filter |
| | | 16.12.13 | 10.15 | 20.12.13 | 19.56 | Stopped due to low demand and high frequency |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 5 | 30 | 28-04-13 | 9:34 | 06-05-13 | 13:25 | Stopped due to low demand and high frequency |
| | | 13-05-13 | 16:48 | 14-05-13 | 9:27 | |
| | | 14-05-13 | 9:47 | 18-05-13 | 10:56 | |
| | | 24-05-13 | 18:52 | 25-05-13 | 9:55 | Tripped due to R-communication link failure alarm & master protective alarm appeared. |
| | | 06-06-13 | 17:04 | 06-06-13 | 17:48 | Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end. |
| | | 09-06-13 | 8:09 | 09-06-13 | 8:54 | Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed . |
| | | 09-06-13 | 8:54 | 10-06-13 | 7:47 | Machine not taken on load due to low schedule from SLDC |
| | | 17-06-13 | 12:17 | 17-06-13 | 14:00 | Machine tripped on Bus under Voltage alarm as 66 KV bus became dead due to tripping of 160 MVA Tx-I & II . |
| | | 18-06-13 | 13:53 | 18-06-13 | 15:45 | Machine tripped at IGV Control trouble and Fire Protection Alarm. |
| | | 02-07-13 | 12:44 | 02-07-13 | 13:08 | Machine came on FSNL due to grid disturbance |
| | | 06-07-13 | 10:55 | 08-07-13 | 9:15 | Stopped due to low demand and high frequency |
| | | 08-07-13 | 11:32 | 11-07-13 | 23:00 | |
| | | 11-07-13 | 23:00 | 12-07-13 | 10:29 | Machine could not be synchronised due to Overall diff. opearted problem |
| | | 12-07-13 | 20:42 | 15-07-13 | 8:55 | Stopped due to low demand and high frequency |
| | | 16-07-13 | 8:29 | 16-07-13 | 9:55 | Machine tripped on electrical trouble normal shut down (Due to MVR problem) |
| | | 17-07-13 | 3:00 | 17-07-13 | 5:00 | |
| | | 20-07-13 | 13:33 | 23-07-13 | 21:15 | Stopped due to low demand and high frequency |
| | | 31-07-13 | 10:40 | 31-07-13 | 10:50 | Machine came on FSNL due to grid disturbance |
| | | 03.08.13 | 10:56 | 03.08.13 | 11:10 | Machine came on FSNL due to grid disturbance |
| | | 07.08.13 | 14:45 | 08.08.13 | 21:05 | Stopped due to low demand and high frequency |
| | | 26.07.13 | 12:12 | 26.08.13 | 12:38 | Machine came on FSNL due to grid disturbance |
| | | 26.08.13 | 20:00 | 27.08.13 | 11:10 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 0:25 | 28.08.13 | 2:55 | due to leakage in ACW line,GT not available |
| | | 30.08.13 | 22:15 | 04.09.13 | 15:00 | Stopped due to low demand and high frequency |
| | | 02.10.13 | 00:30 | 03.10.13 | 15:15 | |
| | | 05.10.13 | 21:14 | 05.10.13 | 22:05 | Machine tripped due to Grid disturbance |
| | | 06.10.13 | 10:08 | 07.10.13 | 07:45 | Stopped due to low demand and high frequency |
| | | 07.10.13 | 14:03 | 16.12.13 | 10.45 | |
| | | 23.12.13 | 12.16 | 31.12.13 | 23.59 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 6 | 30 | 10-04-13 | 12:45 | 10-04-13 | 16:30 | Stopped due to low demand and high frequency |
| | | 21-04-13 | 12:42 | 22-04-13 | 10:15 | |
| | | 28-04-13 | 9:32 | 30-04-13 | 0:40 | |
| | | 13-05-13 | 13:00 | 13-05-13 | 16:48 | Tripped due to heavy jerk observed in control room. |
| | | 13-05-13 | 16:48 | 14-05-13 | 10:38 | Stopped due to low demand and high frequency |
| | | 14-05-13 | 18:00 | 21-05-13 | 11:05 | |
| | | 29-05-13 | 10:42 | 29-05-13 | 12:30 | Oil temp gauge which is mounted on T/F was founded tilted by at least 30 which leads to maloperation of mercury switch and relay 26 TP-I & 26TP-II operated causing the machine tripped on Electrical trouable normal shutdown |
| | | 06-06-13 | 17:04 | 06-06-13 | 17:52 | Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end. |
| | | 06-06-13 | 22:50 | 07-06-13 | 12:04 | Stopped due to low demand and high frequency |
| | | 09-06-13 | 8:09 | 09-06-13 | 8:54 | Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed . |
| | | 09-06-13 | 8:54 | 10-06-13 | 7:52 | Machine not taken on load due to low schedule from SLDC |
| | | 14-06-13 | 8:50 | 14-06-13 | 10:05 | Stopped due to low demand and high frequency |
| | | 17-06-13 | 12:17 | 17-06-13 | 17:10 | Machine tripped on Reverse Power relay operated as 66 KV bus become dead due to tripping of 160 MVA transformer I & II. |
| | | 30-06-13 | 9:07 | 01-07-13 | 17:25 | Stopped due to low demand and high frequency |
| | | 02-07-13 | 12:44 | 02-07-13 | 13:10 | Machine came on FSNL due to grid disturbance |
| | | 06-07-13 | 10:50 | 08-07-13 | 9:01 | Stopped due to low demand and high frequency |
| | | 08-07-13 | 11:37 | 11-07-13 | 19:50 | |
| | | 12-07-13 | 14:25 | 15-07-13 | 6:24 | |
| | | 20-07-13 | 13:30 | 24-07-13 | 9:25 | |
| | | 31-07-13 | 10:40 | 31-07-13 | 11:36 | Machine came on FSNL due to grid disturbance |
| | | 03.08.13 | 10:56 | 03.08.13 | 11:15 | Machine came on FSNL due to grid disturbance |
| | | 07.08.13 | 16:30 | 08.08.13 | 20:47 | Stopped due to low demand and high frequency |
| | | 09.08.13 | 22:15 | 10.08.13 | 12:30 | |
| | | 26.08.13 | 12:12 | 26.08.13 | 12:18 | Machine came on FSNL due to grid disturbance |
| | | 26.08.13 | 19:20 | 27.08.13 | 11:45 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 0:26 | 28.08.13 | 0:30 | due to leakage in ACW line,GT not available |
| | | 28.08.13 | 0:30 | 28.08.13 | 11:45 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 11:45 | 28.08.13 | 14:00 | Machine not avalable due to Gas Valve leakage |
| | | 28.08.13 | 14:00 | 04.09.13 | 15:15 | Stopped due to low demand and high frequency |
| | | 17.09.13 | 21:31 | 19.09.13 | 09:30 | |
| | | 05.10.13 | 21:14 | 05.10.13 | 23:02 | Machine tripped due to Grid disturbance |
| | | 06.10.13 | 05:20 | 08.10.13 | 07:49 | Stopped due to low demand and high frequency |
| | | 07.10.13 | 13:03 | 31.10.13 | 23:59 | |
| | | 1.11.13 | 00:00 | 2.11.13 | 08:32 | |
| | | 2.11.13 | 12:55 | 2.11.13 | 16:35 | |
| | | 2.11.13 | 18:45 | 16.12.13 | 07.55 | |
| | | 23.12.13 | 12.17 | 31.12.13 | 23.59 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG-1 | 30 | 01-04-13 | 0:00 | 01-04-13 | 9:15 | Stopped due to low demand and high frequency |
| | | 01-04-13 | 9:30 | 01-04-13 | 11:10 | Machine stopped due to inspection of high Vibration |
| | | 03-04-13 | 16:30 | 09-04-13 | 8:25 | Stopped due to low demand and high frequency |
| | | 29-04-13 | 11:31 | 30-04-13 | 2:05 | |
| | | 07-05-13 | 16:30 | 13-05-13 | 19:15 | |
| | | 18-05-13 | 13:25 | 22-05-13 | 0:10 | |
| | | 30-05-13 | 21:45 | 18-06-13 | 23:54 | |
| | | 28-06-13 | 10:52 | 28-06-13 | 22:00 | |
| | | 28-06-13 | 22:00 | 29-06-13 | 17:00 | Machine not available due to Non availability of GTs |
| | | 29-06-13 | 17:00 | 01-07-13 | 21:00 | Stopped due to low demand and high frequency |
| | | 01-07-13 | 21:00 | 01-07-13 | 23:59 | Machine not available due to problem in both BFPs. |
| | | 02-07-13 | 0:00 | 02-07-13 | 17:45 | Stopped due to low demand and high frequency |
| | | 02-07-13 | 17:45 | 03-07-13 | 11:45 | Macine not available due to non availability of GTs. |
| | | 03-07-13 | 13:15 | 08-07-13 | 10:15 | Stopped due to low demand and high frequency |
| | | 12-07-13 | 11:50 | 15-07-13 | 13:00 | |
| | | 17-07-13 | 11:25 | 18-07-13 | 23:15 | |
| | | 20-07-13 | 12:10 | 27-07-13 | 21:30 | |
| | | 27-07-13 | 21:30 | 28-07-13 | 0:12 | |
| | | 28-07-13 | 0:12 | 28-07-13 | 1:55 | |
| | | 29-07-13 | 13:55 | 29-07-13 | 16:00 | Tripped due to tripping of GT#1 |
| | | 31-07-13 | 10:40 | 31-07-13 | 13:55 | Machine tripped due to grid disturbance |
| | | 31-07-13 | 17:30 | 02.08.13 | 13:15 | Stopped due to low demand and high frequency |
| | | 02.08.13 | 13:15 | 02.08.13 | 18:15 | Due to oil leakage from Turbine side machine taken under shut down by M-II |
| | | 02.08.13 | 18:15 | 04.08.13 | 12:45 | Stopped due to low demand and high frequency |
| | | 06.08.13 | 15:29 | 08.08.13 | 22:40 | |
| | | 09.08.13 | 1:20 | 25.08.13 | 23:59 | |
| | | 28.08.13 | 0:30 | 28.08.13 | 3:00 | Machine not available due to Non availability of GT#1 and 2 |
| | | 28.08.13 | 3:00 | 28.08.13 | 11:45 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 11:45 | 28.08.13 | 14:10 | due to leakage in ACW line,GT# 1 and 2 not available |
| | | 28.08.13 | 14:00 | 05.09.13 | 15:45 | Stopped due to low demand and high frequency |
| | | 06.09.13 | 02:13 | 12.09.13 | 22:30 | |
| | | 13.09.13 | 18:18 | 07.10.13 | 17:10 | |
| | | 10.10.13 | 12:12 | 10.10.13 | 13:48 | machine stopped to carry out C&I work |
| | | 11.10.13 | 09:37 | 14.10.13 | 13:58 | Stopped due to low demand and high frequency |
| | | 14.10.13 | 21:50 | 16.10.13 | 16:58 | Machine not available due to PROBLEM IN CONTROL VALVE |
| | | 23.10.13 | 23:15 | 31.12.13 | 23:59 | Stopped due to low demand and high frequency |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| **STG -2** | **30** | 01.04.13 | 0:00 | 01.04.13 | 11:25 | Stopped due to low demand and high frequency |
| | | 16.04.13 | 10:40 | 22.04.13 | 11:45 | |
| | | 23.04.13 | 12:14 | 23.04.13 | 13:09 | Machine tripped due to malfunctioning of MS-14 Valve |
| | | 27.04.13 | 5:30 | 27.04.13 | 6:15 | Machine tripped in the jerk. |
| | | 28.04.13 | 21:46 | 29.04.13 | 11:30 | Stopped due to low demand and high frequency |
| | | 04.05.13 | 0:02 | 06.05.13 | 17:05 | |
| | | 11.05.13 | 19:30 | 14.05.13 | 13:57 | |
| | | 19.05.13 | 1:25 | 19.05.13 | 3:05 | Machine Tripped on Exhaust pressure high. |
| | | 05.06.13 | 1:01 | 05.06.13 | 2:21 | Tripped due to sudden drop in vaccum without appearing alarm in annunciation pannel. |
| | | 06.06.13 | 17:04 | 06.06.13 | 18:55 | Machine tripped as the GT#3 & 4 came on FSNL due to tripping of 160 MVA Tx-I & II at IP Extn end. |
| | | 09.06.13 | 8:09 | 09.06.13 | 11:52 | Machine tripped as corresponding GT came on FSNL due to tripping of 160 MVA Tr-I & II on Buchholtz relay operated . |
| | | 10.06.13 | 11:42 | 10.06.13 | 12:50 | Machine stopped to attend |
| | | 11.06.13 | 12:45 | 12.06.13 | 10:35 | Stopped due to low demand and high frequency |
| | | 14.06.13 | 8:45 | 17.06.13 | 23:45 | |
| | | 23.06.13 | 21:35 | 23.06.13 | 23:20 | Machine tripped on LLVT tank v. High Alarm |
| | | 28.06.13 | 9:40 | 28.06.13 | 23:15 | Stopped due to low demand and high frequency |
| | | 02.07.13 | 12:44 | 02.07.13 | 14:25 | Machine tripped due to grid disturbance. |
| | | 17.07.13 | 11:35 | 18.07.13 | 23:20 | Stopped due to low demand and high frequency |
| | | 22.07.13 | 9:35 | 22.07.13 | 12:40 | Machine tripped due to grid disturbance. |
| | | 27.07.13 | 11:07 | 27.07.13 | 23:15 | Stopped due to low demand and high frequency |
| | | 28.07.13 | 20:07 | 31.07.13 | 3:00 | |
| | | 31.07.13 | 10:40 | 31.07.13 | 17:24 | Machine tripped due to grid disturbance. |
| | | 03.08.13 | 10:56 | 03.08.13 | 13:07 | machine tripped due to Grid disturbance |
| | | 04.08.13 | 12:50 | 05.08.13 | 21:35 | Stopped due to low demand and high frequency |
| | | 10.08.13 | 13:32 | 26.08.13 | 18:39 | |
| | | 28.08.13 | 0:32 | 28.08.13 | 3:00 | Machine not available due to Non availability of GT#3 and 4 |
| | | 28.08.13 | 3:00 | 28.08.13 | 4:45 | Stopped due to low demand and high frequency |
| | | 08.09.13 | 12:37 | 11.09.13 | 14:15 | |
| | | 13.09.13 | 09:15 | 13.09.13 | 11:13 | |
| | | 21.09.13 | 14:48 | 24.09.13 | 10:20 | |
| | | 03.10.13 | 16:55 | 06.10.13 | 09:34 | |
| | | 16.12.13 | 10.15 | 20.12.13 | 21.05 | |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG-3 | 30 | 05-04-13 | 17:05 | 05-04-13 | 18:20 | Machine stopped mannualy to attend oil Leakage from Secondary oil Pressure line |
| | | 28-04-13 | 9:34 | 30-04-13 | 4:25 | Stopped due to low demand and high frequency |
| | | 03-05-13 | 17:41 | 03-05-13 | 19:04 | Machine stopped due to problem in drum level indication and level problem. |
| | | 13-05-13 | 13:00 | 13-05-13 | 16:48 | Tripped due to heavy jerk observed in control room. |
| | | 13-05-13 | 16:48 | 14-05-13 | 13:50 | Stopped due to low demand and high frequency |
| | | 14-05-13 | 18:00 | 18-05-13 | 13:05 | |
| | | 03-06-13 | 9:22 | 03-06-13 | 10:07 | Machine tripped on Hot well very high alarm as the Control valve CD-34 left the auto and closed. Another Stream CD-37 tried to be taken into service, in the mean time machine tripped on hot well high alarm. |
| | | 06-06-13 | 17:04 | 06-06-13 | 18:30 | Machine tripped as the GT#5 & 6 came on FSNL due to tripping of 160 MVA Tx-I & II at IP Extn end. |
| | | 09-06-13 | 8:09 | 09-06-13 | 8:54 | Machine tripped as corresponding GT came on FSNL due to tripping of 160 MVA Tr-I & II on Buchholtz relay operated . |
| | | 09-06-13 | 8:54 | 10-06-13 | 10:14 | Machine not taken on load due to low schedule from SLDC |
| | | 15-06-13 | 1:58 | 15-06-13 | 2:58 | Tripped due to LLVT tank level high. |
| | | 17-06-13 | 12:17 | 17-06-13 | 15:12 | Machine tripped due to both GTs tripped due to Tripping of 160 MVA Tx. |
| | | 02-07-13 | 12:44 | 02-07-13 | 14:35 | Machine tripped due to grid disturbance. |
| | | 06-07-13 | 10:55 | 08-07-13 | 10:15 | Stopped due to low demand and high frequency |
| | | 08-07-13 | 10:15 | 11-07-13 | 23:07 | Machine stopped to attend oil leakage from Oil catcher. |
| | | 12-07-13 | 20:42 | 15-07-13 | 8:40 | Stopped due to low demand and high frequency |
| | | 20-07-13 | 12:37 | 20-07-13 | 13:33 | Machine tripped manually due to stucking of MS-14 valve and not opearting of MS-11 and MS-13 valve. |
| | | 20-07-13 | 13:33 | 24-07-13 | 2:05 | Stopped due to low demand and high frequency |
| | | 31-07-13 | 10:40 | 31-07-13 | 12:27 | Machine tripped due to grid disturbance. |
| | | 03.08.13 | 10:56 | 03.08.13 | 12:02 | Machine tripped due to Grid disturbance |
| | | 07.08.13 | 16:32 | 09.08.13 | 1:12 | Stopped due to low demand and high frequency |
| | | 17.08.13 | 11:48 | 17.08.13 | 12:45 | All the parameters of Turbovisiory and Electronic governor disappeared resulting tripping of steam turbine. |
| | | 26.08.13 | 12:12 | 26.08.13 | 13:57 | Machine tripped due to Grid disturbance |
| | | 26.08.13 | 18:24 | 27.08.13 | 13:48 | Stopped due to low demand and high frequency |
| | | 28.08.13 | 0:30 | 28.08.13 | 3:00 | Machine not available due to Non availability of GT#5 and 6 |
| | | 28.08.13 | 3:00 | 28.08.13 | 6:30 | Stopped due to low demand and high frequency |
| | | 30.08.13 | 22:18 | 04.09.13 | 18:00 | |
| | | 05.10.13 | 21:14 | 07.10.13 | 12:00 | Machine tripped due to Grid disturbance and not taken on load due to less demand |
| | | 07.10.13 | 12:00 | 02.11.13 | 23:59 | Machine not available due to problem in control valve |
| | | 02.11.13 | 18.50 | 16.12.13 | 10.59 | Stopped due to low demand and high frequency |
| | | 23.12.13 | 12.17 | 31.12.13 | 23.59 | |

**(C) PRAGATI STATION**

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 104 | 23.05.13 | 14.29 | 23.05.13 | 14.56 | Tripped due to Gas Fuel Pr. Low by GAIL |
| | | 15.06.13 | 21.55 | 17.06.13 | 9.00 | No schedule to run GT#1 on Open Cycle. |
| | | 17.06.13 | 9.00 | 24.06.13 | 0.26 | Tripped on internal fualt |
| | | 25.06.13 | 22.00 | 26.06.13 | 2.00 | |
| | | 26.06.13 | 2.00 | 26.06.13 | 13.42 | No schedule of GT#1 in OC due to low demand, HRSG#1 not available-FW104 stuck |
| | | 09.07.13 | 19.03 | 09.07.13 | 19.50 | Tripped on internal fualt |
| | | 22.07.13 | 10.43 | 22.07.13 | 12.26 | Tripped due to Grid Distrubance |
| | | 23.07.13 | 16.28 | 23.07.13 | 19.29 | Tripped on internal fualt |
| | | 03.09.13 | 13.10 | 03.09.13 | 14.14 | |
| | | 28.09.13 | 06.01 | 29.09.13 | 16.30 | Stopped to attend generation winding temprature. |
| | | 14.10.13 | 12.22 | 14.10.13 | 12.49 | Tripped on internal fualt |
| | | 17.10.13 | 12.39 | 17.10.13 | 13.47 | |
| | | 16.12.13 | 09.59 | 16.12.13 | 19:37 | Stopped to replace Air Filters of G.T. #1 |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 104 | 21.04.13 | 8.15 | 21.04.13 | 18.15 | Stopped by DTL to attend hot spot. |
| | | 21.04.13 | 18.15 | 23.04.13 | 6.31 | Tripped on internal fualt |
| | | 26.04.13 | 6.45 | 26.04.13 | 8.37 | |
| | | 14.05.13 | 13.28 | 14.05.13 | 14.13 | |
| | | 06.06.13 | 17.10 | 06.06.13 | 18.05 | Tripped due to Grid Distrubance |
| | | 01.07.13 | 16.02 | 01.07.13 | 17.40 | Tripped on internal fualt |
| | | 02.07.13 | 12.54 | 02.07.13 | 13.55 | Tripped due to Grid Distrubance |
| | | 08.07.13 | 11.37 | 08.07.13 | 12.48 | Tripped on internal fualt |
| | | 22.07.13 | 10.43 | 22.07.13 | 11.52 | Tripped due to Grid Distrubance |
| | | 03.08.13 | 10.57 | 03.08.13 | 11.08 | Tripped due to Grid Distrubance |
| | | 15.08.13 | 10.48 | 16.08.13 | 16.31 | Stopped due to low demand and high frequency |
| | | 26.08.13 | 12.15 | 26.08.13 | 12.26 | Tripped due to Grid Distrubance |
| | | 28.08.13 | 6.07 | 29.08.13 | 8.53 | Stopped due to low demand and high frequency |
| | | 29.08.13 | 20.40 | 29.08.13 | 22.30 | Tripped on internal fualt |
| | | 24.09.13 | 02.34 | 24.09.13 | 09.44 | Tripped due to grid disturbance |
| | | 05.10.13 | 21.17 | 05.10.13 | 22.05 | |
| | | 15.10.13 | 13.06 | 19.10.13 | 12.19 | Tripped on internal fualt |
| | | 17.12.13 | 0248 | 17.12.13 | 18.13 | Stopped to replace Air Filters of G.T. #1 |

| Unit No | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG | 122 | 17.04.13 | 18.37 | 17.04.13 | 19.52 | Tripped on internal fualt |
| | | 21.04.13 | 11.44 | 21.04.13 | 14.15 | |
| | | 21.04.13 | 14.15 | 21.04.13 | 18.36 | Shut down contineued by DTL to attend hot spot. |
| | | 06.06.13 | 17.10 | 06.06.13 | 18.50 | Tripped due to Grid Distrubance |
| | | 02.07.13 | 12.54 | 02.07.13 | 15.02 | |
| | | 09.07.13 | 19.03 | 09.07.13 | 20.15 | Tripped on internal fualt |
| | | 22.07.13 | 10.43 | 22.07.13 | 15.53 | Tripped due to Grid Distrubance |
| | | 23.07.13 | 16.28 | 23.07.13 | 17.42 | Tripped on internal fualt |
| | | 03.08.13 | 10.57 | 03.08.13 | 11.47 | Tripped due to Grid Distrubance |
| | | 26.08.13 | 12.15 | 26.08.13 | 13.35 | Tripped due to Grid Distrubance |
| | | 29.08.13 | 20.45 | 29.08.13 | 22.52 | Tripped on internal fualt |
| | | 03.09.13 | 13.18 | 03.09.13 | 14.25 | |
| | | 10.09.13 | 00.34 | 10.09.13 | 01.32 | |
| | | 05.10.13 | 21.17 | 05.10.13 | 23.30 | Tripped due to Grid Distrubance |
| | | 07.10.13 | 18.55 | 10.10.13 | 09.03 | Tripped on internal fualt |
| | | 17.10.13 | 12.39 | 17.10.13 | 14.31 | |

**(D) BADARPUR THERMAL POWER STATION**

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 95 | 01.04.13 | 0:00 | 01.04.13 | 19:18 | Stopped due to low demand and high frequency |
| | | 12.05.13 | 18:18 | 12.05.13 | 21:20 | Grid Disturbance |
| | | 04.06.13 | 22:45 | 05.06.13 | 23:45 | Water Wall tube leakage |
| | | 13.06.13 | 10:58 | 13.06.13 | 11:32 | Furnace Disturbance |
| | | 16.06.13 | 18:38 | 21.06.13 | 14:14 | Stopped due to low demand and high frequency |
| | | 09.07.13 | 20:41 | 15.07.13 | 2400 | |
| | | 19.07.13 | 3:28 | 20.07.13 | 18:14 | |
| | | 26.07.13 | 14:36 | 29.07.13 | 16:00 | |
| | | 10.08.13 | 15:12 | 10.08.13 | 16:00 | |
| | | 10.08.13 | 17:11 | 10.08.13 | 23:15 | Furnace Disturbance |
| | | 10.08.13 | 23:15 | 14.09.13 | 21.06 | Stopped due to low demand and high frequency |
| | | 17.09.13 | 03:13 | 17.09.13 | 04:06 | |
| | | 22.09.13 | 14:00 | 22.09.13 | 15:08 | |
| | | 22.09.13 | 23:52 | 23.09.13 | 01:00 | Furnace Disturbance |
| | | 23.09.13 | 01:00 | 23.09.13 | 21:00 | Platen Superheater leakage |
| | | 23.09.13 | 21:00 | 22.10.13 | 12.54 | Stopped due to low demand and high frequency |
| | | 09.11.13 | 22:34 | 25.11.13 | 02:15 | |
| | | 28.11.13 | 23:57 | 12.12.13 | 11.00 | |
| | | 20.12.13 | 00:00 | 31.12.13 | 23.59 | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 95 | 12.05.13 | 18:18 | 12.05.13 | 20:07 | Grid Disturbance |
| | | 28.06.13 | 10:32 | 28.07.13 | 9:56 | |
| | | 08.08.13 | 11:01 | 10.08.13 | 22:09 | Stopped due to low demand and high frequency |
| | | 23.08.13 | 13:14 | 23.08.13 | 14:15 | Furnace Disturbance |
| | | 21.09.13 | 19:57 | 23.09.13 | 19:49 | Stopped due to low demand and high frequency |
| | | 02.10.13 | 07:50 | 02.10.13 | 08:40 | |
| | | 02.10.13 | 09:21 | 02.10.13 | 10:01 | Furnace Disturbance |
| | | 02.10.13 | 11:07 | 04.10.13 | 00:12 | Superheater leakage |
| | | 04.11.13 | 19:52 | 24.11.13 | 20:50 | Stopped due to low demand and high frequency |
| | | 28.11.13 | 09:16 | 28.11.13 | 14:23 | GT Overall Differential |
| | | 05.12.13 | 17.49 | 20.12.13 | 17.17 | Stopped due to low demand and high frequency |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 3 | 95 | 03.04.13 | 19:55 | 22.04.13 | 13:40 | Planned Shutdown |
| | | 12.05.13 | 18:18 | 12.05.13 | 20:20 | Grid Disturbance |
| | | 26.05.13 | 12:41 | 27.05.13 | 12:58 | Economiser Tube leakage |
| | | 13.06.13 | 10:40 | 18.06.13 | 12:04 | Stopped due to low demand and high frequency |
| | | 04.07.13 | 5:45 | 04.07.13 | 7:06 | Furnace Disturbance |
| | | 18.07.13 | 11:39 | 19.07.13 | 2:48 | Stopped due to low demand and high frequency |
| | | 01.08.13 | 21:28 | 02.08.13 | 13:43 | Water Wall tube leakage |
| | | 03.08.13 | 3:45 | 03.08.13 | 6:14 | |
| | | 03.08.13 | 17:10 | 03.08.13 | 18:02 | |
| | | 06.08.13 | 11:15 | 06.08.13 | 11:56 | Furnace Disturbance |
| | | 07.08.13 | 11:40 | 15.09.13 | 07.21 | Stopped due to low demand and high frequency |
| | | 19.09.13 | 05:19 | 19.09.13 | 06:50 | |
| | | 19.09.13 | 21:01 | 19.09.13 | 21:42 | |
| | | 28.09.13 | 10:05 | 28.09.13 | 19:22 | Furnace Disturbance |
| | | 02.10.13 | 00:08 | 03.10.13 | 05:28 | Stopped due to low demand and high frequency |
| | | 08.10.13 | 19:16 | 08.10.13 | 20:32 | Furnace Disturbance |
| | | 09.10.13 | 22:20 | 10.10.13 | 00:49 | HT motor problem- feed pump drive |
| | | 11.10.13 | 17:15 | 16.10.13 | 18:40 | Stopped due to low demand and high frequency |
| | | 22.10.13 | 14:04 | 22.10.13 | 14:42 | |
| | | 31.10.13 | 21:22 | 31.10.13 | 22:03 | Furnace Disturbance |
| | | 10.11.13 | 10:13 | 10.11.13 | 11:22 | Furnace Disturbance |
| | | 18.11.13 | 05:40 | 18.11.13 | 06:35 | Furnace Disturbance |
| | | 18.11.13 | 18:38 | 18.11.13 | 19:48 | Furnace Disturbance |
| | | 21.11.13 | 06:39 | 21.11.13 | 07:21 | Furnace Disturbance |
| | | 22.11.13 | 00:05 | 31.12.13 | 23:59 | Stopped due to low demand and high frequency |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 4 | 210 | 09.04.13 | 22:17 | 10.04.13 | 2:07 | MDBFP relay malfunction |
| | | 12.05.13 | 18:18 | 12.05.13 | 21:35 | Grid Disturbance |
| | | 25.05.13 | 7:28 | 23.05.13 | 15:34 | UAT 4A diff relay casing shorted |
| | | 11.06.13 | 15:35 | 13.06.13 | 07:48 | Stopped due to low demand and high frequency |
| | | 10.08.13 | 10:24 | 10.08.13 | 13:40 | AVR & Excitation system |
| | | 14.09.13 | 04:34 | 15.09.13 | 23:01 | Water Wall tube leakage |
| | | 25.11.13 | 03:58 | 28.11.13 | 11:07 | ID Fan 4B impeller shaft replaced |
| | | 11.12.13 | 23.24 | 12.12.13 | 23.16 | Boiler tube leakage |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 5 | 210 | 09.05.13 | 0:06 | 09.05.13 | 15:57 | APH 5B NDE Bearing vibration high |
| | | 11.05.13 | 19:48 | 14.05.13 | 12:17 | Stopped due to low demand and high frequency |
| | | 16.06.13 | 15:58 | 16.06.13 | 17:09 | CW Shortage |
| | | 24.06.13 | 16:23 | 24.06.13 | 17:45 | Furnace Disturbance |
| | | 24.06.13 | 18:04 | 24.06.13 | 19:03 | |
| | | 27.06.13 | 14:20 | 27.06.13 | 18:31 | AVR & Excitation System |
| | | 04.07.13 | 0:12 | 04.07.13 | 1:15 | Furnace Disturbance |
| | | 27.07.13 | 19:16 | 30.07.13 | 1:24 | Steam Cooled W/Wall leakage |
| | | 01.08.13 | 20:43 | 02.08.13 | 18:30 | Drum manhole leakage |
| | | 14.08.13 | 19:00 | 15.08.13 | 10:15 | Water Wall tube leakage |
| | | 15.08.13 | 10:15 | 16.08.13 | 7:13 | Stopped due to low demand and high frequency |
| | | 04.09.13 | 13:23 | 06.09.13 | 09:11 | Water Wall tube leakage |
| | | 06.09.13 | 13:39 | 07.09.13 | 21:32 | Economiser Tube leakage |
| | | 04.10.13 | 14:37 | 05.10.13 | 17:55 | Stopped due to low demand and high frequency |
| | | 07.10.13 | 03:48 | 08.10.13 | 23:48 | 3.3/6.6/11KV Bus breaker problem |
| | | 23.10.13 | 00:50 | 20.11.13 | 18:42 | Planned shutdown |
| | | 21.11.13 | 08:00 | 21.11.13 | 19:35 | Shutdown of main GT Transformer |
| | | 07.12.13 | 14.50 | 07.12.13 | 18.47 | To attend hot spot at bushing clamp |
| | | 08.12.13 | 14.39 | 08.12.13 | 17.38 | To attend hot spot |

**(E) BAWANA CCGT POWER STATION**

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 216 | 01.04.13 | 00:00 | 01.04.13 | 8:39 | Combustion inspection |
| | | 05.04.13 | 10:55 | 21.04.13 | 23.59 | M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting |
| | | 19.06.13 | 00.26 | 19.06.13 | 02.42 | G.T. -1 tripped due to Hot gas temp high. |
| | | 20.06.13 | 20.42 | 05.08.13 | 09.10 | Stopped due to low demand and high frequency |
| | | 19.08.13 | 14.27 | 26.08.13 | 11.54 | Stopped due to low demand and high frequency |
| | | 25.09.13 | 12.05 | 31.12.13 | 23:59 | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 216 | 05.04.13 | 13:13 | 12.04.13 | 19.02 | M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13 |
| | | 14.04.13 | 13.40 | 25.04.13 | 08.57 | Stopped due to low demand and high frequency |
| | | 29.04.13 | 22.25 | 30.04.13 | 06.25 | M/C Stopped due to gas leakage in pipe line |
| | | 07.05.13 | 20:38 | 08.05.13 | 0:26 | CW Pump Motor Failure |
| | | 29.05.13 | 13:57 | 29.05.13 | 15:30 | GT#2 tripped on EPB press by default |
| | | 03.06.13 | 10:54 | 03.06.13 | 13:53 | GT #2 tripped due to its rotor earth fault |
| | | 06.06.13 | 22.50 | 10.06.13 | 12.38 | Stopped due to low demand and high frequency |
| | | 13.06.13 | 08.14 | 20.06.13 | 18.33 | Stopped due to low demand and high frequency |
| | | 21.06.13 | 08:21 | 21.06.13 | 12:54 | GT #2 tripped due to difference in G-1 feedback |
| | | 30.06.13 | 14:16 | 30.06.13 | 14:58 | GT#2 Tripped on Excitation tripping |
| | | 12.07.13 | 15.00 | 03.10.13 | 13.22 | Stopped due to low demand and high frequency |
| | | 03.10.13 | 16.07 | 07.10.13 | 14.48 | |
| | | 10.10.13 | 15.56 | 10.10.13 | 17.10 | Tripped due to isolation of LPC 02 |
| | | 11.10.13 | 10.40 | 31.12.13 | 23:59 | |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 3 | 216 | 28.10.13 | 00.00 | 31.12.13 | 23:59 | Commissioned on 28.10.13 and Stopped due to low demand and high frequency |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG | 254 | 01.04.13 | 0:00 | 27.04.13 | 19.19 | M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13 after force shutdown due to bearing failure of turbine up to 25.04.13 and 25.04.13 to 27.04.13 due to generator IR value low |
| | | 29.04.13 | 22:25 | 30.04.13 | 6:25 | M/C Stopped due to gas leakage in pipe line |
| | | 30.04.13 | 22:07 | 30.04.13 | 23:37 | GT#2 Diverted damper is closed |
| | | 07.05.13 | 20:35 | 08.05.13 | 3:12 | CW Pump A Motor Failure |
| | | 08.05.13 | 11:57 | 08.05.13 | 13:19 | CW Pump B Motor winding temperature increased up to threshold limit |
| | | 29.05.13 | 13:57 | 29.05.13 | 16:50 | STG trip on GT trip |
| | | 03.06.13 | 10:54 | 03.06.13 | 15:57 | |
| | | 06.06.13 | 22.50 | 10.06.13 | 17.50 | Stopped due to low demand and high frequency |
| | | 13.06.13 | 08.16 | 19.06.13 | 09.10 | |
| | | 21.06.13 | 08:21 | 21.06.13 | 13:00 | STG trip on GT trip |
| | | 27.06.13 | 18:01 | 27.06.13 | 18:42 | GT#2 Diverted damper is closed |
| | | 29.06.13 | 17:31 | 29.06.13 | 18:29 | CW Pump B Discharge valve closed |
| | | 30.06.13 | 14:16 | 30.06.13 | 15:34 | STG trip on GT trip |
| | | 12.07.13 | 15.00 | 05.08.13 | 11.58 | Stopped due to low demand and high frequency |
| | | 19.08.13 | 14.29 | 26.08.13 | 17.41 | |
| | | 31.08.13 | 12.52 | 31.08.13 | 14.12 | STG tripped on internal fault |
| | | 25.09.13 | 12.00 | 07.10.13 | 20.20 | Stopped due to low demand and high frequency |
| | | 10.10.13 | 15.56 | 10.10.13 | 18.06 | Tripped due to tripping of GT-2 |
| | | 11.10.13 | 10.50 | 31.12.13 | 23:59 | |

**(E) RITHALA POWER STATION**

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 1 | 31.8 | 19.03.13 | 17:32 | 31.12.13 | 23:59 | No schedule have been given by SLDC on Spot gas |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| 2 | 31.8 | 05.03.13 | 15:38 | 07.06.13 | 12:05 | No schedule have been given by SLDC on Spot gas Gas turbine taken on spot ) |
| | | 07.06.13 | 22:41 | 31.12.13 | 23:59 | No schedule have been given by SLDC on Spot gas |

| Unit | Capacity in MW | Outage | | Synchronization | | Reason of Outage |
|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | |
| STG | 31.8 | 27.02.13 | 00:01 | 07.06.13 | 17:40 | No schedule have been given by SLDC on Spot gas |
| | | 07.06.13 | 22:38 | 31.12.13 | 23:59 | No schedule have been given by SLDC on Spot gas |

# 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. 19.01.2013

**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-I | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| Rihand Stage -III | 500 | 75 | 66 | 57 | 0 | 0 | 57 |
| 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** | **9282** | **1227** | **2240** | **1959** | **0** | **0** | **1959** |
| **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 |
| Chamera-III HEP | 231 | 35 | 29 | 28 | 0 | 0 | 28 |
| 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** | **3305** | **206** | **380** | **361** | **0** | **0** | **361** |
| **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 | 400 | 40 | 39 | 37 | 0 | 0 | 37 |
| **TOTAL** | **1400** | **139** | **142** | **127** | **0** | **0** | **127** |
| **Total** | **16807** | **1915** | **3007** | **2660** | **0** | **0** | **2660** |
| **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 | 1000 | 76 | 231 | 201 | 0 | 0 | 201 |
| **Grand Total** | **24017** | **2144** | **3528** | **3102** | **0** | **0** | **3102** |

## B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 01.08.2013

**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-I | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| Rihand Stage -III | 500 | 75 | 66 | 57 | 0 | 0 | 57 |
| 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** | **9282** | **1227** | **2240** | **1959** | **0** | **0** | **1959** |
| **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 |
| Chamera-III HEP | 231 | 35 | 29 | 28 | 0 | 0 | 28 |
| 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** | **3305** | **206** | **380** | **361** | **0** | **0** | **361** |
| **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 | 400 | 40 | 39 | 37 | 0 | 0 | 37 |
| **TOTAL** | **1400** | **139** | **142** | **127** | **0** | **0** | **127** |
| **Total** | **16807** | **1915** | **3007** | **2660** | **0** | **0** | **2660** |
| **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 | 1500 | 114 | 377 | 327 | 0 | 0 | 327 |
| **Grand Total** | **24517** | **2182** | **3674** | **3229** | **0** | **0** | **3229** |

## C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 11.10.2013

**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-I | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| Rihand Stage -III | 500 | 75 | 66 | 57 | 0 | 0 | 57 |
| 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** | **9282** | **1227** | **2240** | **1959** | **0** | **0** | **1959** |
| **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 |
| Chamera-III HEP | 231 | 35 | 29 | 28 | 0 | 0 | 28 |
| URI HEP-I | 480 | 0 | 53 | 50 | 0 | 0 | 50 |
| URI HEP-II | 120 | 18 | 16 | 15 | 0 | 0 | 15 |
| 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** | **3425** | **224** | **396** | **377** | **0** | **0** | **377** |
| **NPC** | | | | | | | |
| Narora APS | 440 | 64 | 47 | 41 | 0 | 0 | 41 |
| RAPP (C ) | 440 | 64 | 56 | 49 | 0 | 0 | 49 |
| **TOTAL** | **880** | **128** | **103** | **89** | **0** | **0** | **89** |
| **SVJNL** | | | | | | | |
| Nathpa Jhakri HEP | 1500 | 149 | 142 | 135 | 0 | 0 | 135 |
| **THDC** | | | | | | | |
| Tehri Hydro | 1000 | 99 | 103 | 98 | 0 | 0 | 98 |
| Koteshwar HEP | 400 | 40 | 39 | 37 | 0 | 0 | 37 |
| **TOTAL** | **1400** | **139** | **142** | **135** | **0** | **0** | **135** |
| **Total** | **16487** | **1867** | **3023** | **2695** | **0** | **0** | **2695** |
| **Allocation from ER and Tala HEP** | | | | | | | |
| Farakka | 1600 | 0 | 22 | 19 | 0 | 0 | 19 |
| Kahalgaon | 840 | 0 | 51 | 43 | 0 | 0 | 43 |
| Tala HEP | 1020 | 153 | 30 | 25 | 0 | 0 | 25 |
| Kahalgaon-II | 1500 | 0 | 157 | 131 | 0 | 0 | 131 |
| **Total ER** | **4960** | **153** | **261** | **217** | **0** | **0** | **217** |
| **Joint Venture** | | | | | | | |
| Jhajjar TPS | 1500 | 114 | 377 | 327 | 0 | 0 | 327 |
| **Grand Total** | **22947** | **2134** | **3661** | **3240** | **0** | **0** | **3240** |

## D) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 19.11.2013

**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-I | 1000 | 150 | 100 | 87 | 0 | 0 | 87 |
| Rihand Stage -II | 1000 | 150 | 126 | 109 | 0 | 0 | 109 |
| Rihand Stage -III | 500 | 75 | 66 | 57 | 0 | 0 | 57 |
| 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** | **9282** | **1227** | **2240** | **1959** | **0** | **0** | **1959** |
| **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 |
| Chamera-III HEP | 231 | 35 | 29 | 28 | 0 | 0 | 28 |
| 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** | **3305** | **206** | **380** | **361** | **0** | **0** | **361** |
| **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 | 400 | 40 | 39 | 37 | 0 | 0 | 37 |
| **TOTAL** | **1400** | **139** | **142** | **127** | **0** | **0** | **127** |
| **Total** | **16807** | **1915** | **3007** | **2660** | **0** | **0** | **2660** |
| **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 | 1500 | 114 | 377 | 327 | 0 | 0 | 327 |
| **Grand Total** | **24517** | **2182** | **3674** | **3229** | **0** | **0** | **3229** |

## 5 ALLOCATION OF POWER TO DISCOMS

**A)** ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 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 |
| 8. BAWANA CCGT* | 7.30 | 1.82 | 20.688 | 30.888 | 19.304 | 80.00 |

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

| SOURCES | LICENSEES | | | | | |
|---|---|---|---|---|---|---|
| | NDMC | MES | NDPL | BRPL | BYPL | TOTAL |
| 1. Central Sector without Dadri (Th) | 0.00 | 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 |
| 8. BAWANA CCGT* | 7.30 | 1.82 | 20.688 | 30.888 | 19.304 | 80.00 |

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

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

**(Allocation In % )**

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

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

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

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

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

# 6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING DECEMBER 2013

**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 | Rithala | Bawana | Townmcl | BTPS | 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 | 09.55.17 | 0 | 82 | 316 | 0 | -2 | 8 | 388 | 792 | 2260 | 2158 | 102 | 3052 | 0 | 3052 |
| 2 | 18.15.31 | 0 | 83 | 314 | 0 | -2 | 13 | 464 | 872 | 2230 | 2355 | -125 | 3102 | 11 | 3113 |
| 3 | 18.27.40 | 0 | 83 | 262 | 0 | -2 | 15 | 370 | 728 | 2441 | 2509 | -68 | 3169 | 0 | 3169 |
| 4 | 10.00.32 | 0 | 83 | 267 | 0 | -2 | 16 | 377 | 741 | 2047 | 2024 | 23 | 2788 | 0 | 2788 |
| 5 | 18.31.10 | 0 | 83 | 313 | 0 | -2 | 6 | 374 | 774 | 2425 | 2391 | 34 | 3199 | 0 | 3199 |
| 6 | 18.09.53 | 0 | 82 | 312 | 0 | -2 | 9 | 382 | 783 | 2445 | 2335 | 110 | 3228 | 0 | 3228 |
| 7 | 10.23.49 | 0 | 82 | 320 | 0 | -2 | 13 | 379 | 792 | 2307 | 2193 | 114 | 3099 | 0 | 3099 |
| 8 | 10.53.06 | 0 | 82 | 315 | 0 | -2 | 11 | 380 | 786 | 2389 | 2260 | 129 | 3175 | 0 | 3175 |
| 9 | 10.03.31 | 0 | 82 | 320 | 0 | -2 | 12 | 378 | 790 | 2344 | 2231 | 113 | 3134 | 0 | 3134 |
| 10 | 18.20.49 | 0 | 83 | 312 | 0 | -6 | 10 | 375 | 774 | 2392 | 2375 | 17 | 3166 | 0 | 3166 |
| 11 | 10.02.23 | 0 | 83 | 321 | 0 | -2 | 12 | 375 | 789 | 2402 | 2289 | 113 | 3191 | 0 | 3191 |
| 12 | 18.50.58 | 0 | 81 | 314 | 0 | -4 | 8 | 264 | 663 | 2551 | 2387 | 164 | 3214 | 0 | 3214 |
| 13 | 11.14.57 | 0 | 83 | 316 | 0 | -2 | 11 | 264 | 672 | 2591 | 2416 | 175 | 3263 | 0 | 3263 |
| 14 | 10.00.00 | 0 | 83 | 322 | 0 | -2 | 10 | 269 | 682 | 2570 | 2363 | 207 | 3252 | 0 | 3252 |
| 15 | 10.54.18 | 0 | 82 | 320 | 0 | -2 | 10 | 266 | 676 | 2513 | 2292 | 221 | 3189 | 0 | 3189 |
| 16 | 10.26.25 | 0 | 63 | 119 | 0 | -2 | 10 | 271 | 461 | 2771 | 2528 | 243 | 3232 | 0 | 3232 |
| 17 | 18.37.36 | 0 | 83 | 256 | 0 | -3 | 10 | 260 | 606 | 2615 | 2482 | 133 | 3221 | 0 | 3221 |
| 18 | 10.38.09 | 0 | 84 | 320 | 0 | -7 | 9 | 383 | 789 | 2518 | 2571 | -53 | 3307 | 0 | 3307 |
| 19 | 10.18.14 | 0 | 83 | 314 | 0 | 17 | 6 | 279 | 699 | 2692 | 2571 | 121 | 3391 | 0 | 3391 |
| 20 | 10.25.56 | 0 | 83 | 315 | 0 | -5 | 6 | 379 | 778 | 2714 | 2417 | 297 | 3492 | 0 | 3492 |
| 21 | 10.05.53 | 0 | 164 | 319 | 0 | -5 | 14 | 451 | 943 | 2429 | 2270 | 159 | 3372 | 0 | 3372 |
| 22 | 10.56.06 | 0 | 165 | 314 | 0 | 17 | 10 | 391 | 897 | 2482 | 2513 | -31 | 3379 | 0 | 3379 |
| 23 | 10.02.32 | 0 | 163 | 318 | 0 | 16 | 4 | 468 | 969 | 2544 | 2653 | -109 | 3513 | 0 | 3513 |
| 24 | 10.16.30 | 0 | 81 | 318 | 0 | -4 | 0 | 459 | 854 | 2535 | 2514 | 21 | 3389 | 0 | 3389 |
| 25 | 10.01.58 | 0 | 81 | 317 | 0 | -3 | 6 | 461 | 862 | 2654 | 2483 | 171 | 3516 | 66 | 3582 |
| 26 | 10.08.30 | 0 | 82 | 321 | 0 | -4 | 5 | 463 | 867 | 2681 | 2627 | 54 | 3548 | 0 | 3548 |
| 27 | 10.49.19 | 0 | 81 | 324 | 0 | -2 | 12 | 461 | 876 | 2800 | 2687 | 113 | 3676 | 0 | 3676 |
| 28 | 10.05.00 | 0 | 81 | 325 | 0 | -1 | 7 | 408 | 820 | 2734 | 2775 | -41 | 3554 | 3 | 3557 |
| 29 | 10.20.53 | 0 | 82 | 328 | 0 | -1 | 9 | 451 | 869 | 2621 | 2651 | -30 | 3490 | 82 | 3572 |
| 30 | 10.01.23 | 0 | 82 | 323 | 0 | -1 | 7 | 464 | 875 | 2835 | 2655 | 180 | 3710 | 11 | 3721 |
| 31 | 10.13.09 | 0 | 81 | 325 | 0 | -1 | 7 | 470 | 882 | 2893 | 2895 | -2 | 3775 | 4 | 3779 |

## 7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING DECEMBER 2013

| 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 | Rithala | Bawana | Townmcl | BTPS | 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 | 09.55.17 | 0 | 82 | 316 | 0 | -2 | 8 | 388 | 792 | 2260 | 2158 | 102 | 3052 | 0 | 3052 |
| 2 | 18.15.31 | 0 | 83 | 314 | 0 | -2 | 13 | 464 | 872 | 2230 | 2355 | -125 | 3102 | 11 | 3113 |
| 3 | 18.27.40 | 0 | 83 | 262 | 0 | -2 | 15 | 370 | 728 | 2441 | 2509 | -68 | 3169 | 0 | 3169 |
| 4 | 10.00.32 | 0 | 83 | 267 | 0 | -2 | 16 | 377 | 741 | 2047 | 2024 | 23 | 2788 | 0 | 2788 |
| 5 | 18.31.10 | 0 | 83 | 313 | 0 | -2 | 6 | 374 | 774 | 2425 | 2391 | 34 | 3199 | 0 | 3199 |
| 6 | 18.09.53 | 0 | 82 | 312 | 0 | -2 | 9 | 382 | 783 | 2445 | 2335 | 110 | 3228 | 0 | 3228 |
| 7 | 10.23.49 | 0 | 82 | 320 | 0 | -2 | 13 | 379 | 792 | 2307 | 2193 | 114 | 3099 | 0 | 3099 |
| 8 | 10.53.06 | 0 | 82 | 315 | 0 | -2 | 11 | 380 | 786 | 2389 | 2260 | 129 | 3175 | 0 | 3175 |
| 9 | 10.03.31 | 0 | 82 | 320 | 0 | -2 | 12 | 378 | 790 | 2344 | 2231 | 113 | 3134 | 0 | 3134 |
| 10 | 18.20.49 | 0 | 83 | 312 | 0 | -6 | 10 | 375 | 774 | 2392 | 2375 | 17 | 3166 | 0 | 3166 |
| 11 | 10.02.23 | 0 | 83 | 321 | 0 | -2 | 12 | 375 | 789 | 2402 | 2289 | 113 | 3191 | 0 | 3191 |
| 12 | 18.50.58 | 0 | 81 | 314 | 0 | -4 | 8 | 264 | 663 | 2551 | 2387 | 164 | 3214 | 0 | 3214 |
| 13 | 11.14.57 | 0 | 83 | 316 | 0 | -2 | 11 | 264 | 672 | 2591 | 2416 | 175 | 3263 | 0 | 3263 |
| 14 | 10.00.00 | 0 | 83 | 322 | 0 | -2 | 10 | 269 | 682 | 2570 | 2363 | 207 | 3252 | 0 | 3252 |
| 15 | 10.54.18 | 0 | 82 | 320 | 0 | -2 | 10 | 266 | 676 | 2513 | 2292 | 221 | 3189 | 0 | 3189 |
| 16 | 10.26.25 | 0 | 63 | 119 | 0 | -2 | 10 | 271 | 461 | 2771 | 2528 | 243 | 3232 | 0 | 3232 |
| 17 | 10.00.00 | 0 | 83 | 160 | 0 | -2 | 10 | 270 | 521 | 2672 | 2647 | 25 | 3193 | 60 | 3253 |
| 18 | 10.38.09 | 0 | 84 | 320 | 0 | -7 | 9 | 383 | 789 | 2518 | 2571 | -53 | 3307 | 0 | 3307 |
| 19 | 10.18.14 | 0 | 83 | 314 | 0 | 17 | 6 | 279 | 699 | 2692 | 2571 | 121 | 3391 | 0 | 3391 |
| 20 | 10.25.56 | 0 | 83 | 315 | 0 | -5 | 6 | 379 | 778 | 2714 | 2417 | 297 | 3492 | 0 | 3492 |
| 21 | 10.05.53 | 0 | 164 | 319 | 0 | -5 | 14 | 451 | 943 | 2429 | 2270 | 159 | 3372 | 0 | 3372 |
| 22 | 10.56.06 | 0 | 165 | 314 | 0 | 17 | 10 | 391 | 897 | 2482 | 2513 | -31 | 3379 | 0 | 3379 |
| 23 | 10.02.32 | 0 | 163 | 318 | 0 | 16 | 4 | 468 | 969 | 2544 | 2653 | -109 | 3513 | 0 | 3513 |
| 24 | 10.16.30 | 0 | 81 | 318 | 0 | -4 | 0 | 459 | 854 | 2535 | 2514 | 21 | 3389 | 0 | 3389 |
| 25 | 10.01.58 | 0 | 81 | 317 | 0 | -3 | 6 | 461 | 862 | 2654 | 2483 | 171 | 3516 | 66 | 3582 |
| 26 | 10.08.30 | 0 | 82 | 321 | 0 | -4 | 5 | 463 | 867 | 2681 | 2627 | 54 | 3548 | 0 | 3548 |
| 27 | 10.49.19 | 0 | 81 | 324 | 0 | -2 | 12 | 461 | 876 | 2800 | 2687 | 113 | 3676 | 0 | 3676 |
| 28 | 10.05.00 | 0 | 81 | 325 | 0 | -1 | 7 | 408 | 820 | 2734 | 2775 | -41 | 3554 | 3 | 3557 |
| 29 | 10.20.53 | 0 | 82 | 328 | 0 | -1 | 9 | 451 | 869 | 2621 | 2651 | -30 | 3490 | 82 | 3572 |
| 30 | 10.01.23 | 0 | 82 | 323 | 0 | -1 | 7 | 464 | 875 | 2835 | 2655 | 180 | 3710 | 11 | 3721 |
| 31 | 10.13.09 | 0 | 81 | 325 | 0 | -1 | 7 | 470 | 882 | 2893 | 2895 | -2 | 3775 | 4 | 3779 |

## 8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR DECEMBER 2013

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

| | |
|---|---|
| A (i) RPH | 0.000 |
| (ii) GT+STG | 66.243 |
| (iii) PRAGATI | 222.868 |
| (iv) RITHALA | 0.000 |
| (v) BAWANA CCGT | 2.337 |
| (vi) Timarpur – Okhla | 7.095 |
| TOTAL | 298.646 |
| B) AVAILABILITY FROM BTPS | 274.646 |
| C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS | 11.206 |
| D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C) | **561.983** |

### 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 | 1.638 | 1.573 | 1.638 | 1.573 |
| SALAL | 10.530 | 10.108 | 10.530 | 10.108 |
| SASAN | 48.005 | 46.079 | 47.993 | 46.067 |
| TANKAPUR | 1.771 | 1.702 | 1.771 | 1.702 |
| CHAMERA | 4.080 | 3.917 | 4.080 | 3.917 |
| CHAMERA -II | 4.886 | 4.691 | 4.886 | 4.691 |
| CHAMERA -III | 2.584 | 2.482 | 2.584 | 2.482 |
| DHAULIGANGA | 0.000 | 0.000 | 0.000 | 0.000 |
| SEWA -2 | 0.793 | 0.759 | 0.793 | 0.759 |
| URI | 7.881 | 7.567 | 7.881 | 7.567 |
| URI-II | 5.922 | 5.686 | 5.922 | 5.686 |
| KOTESHWAR | 7.791 | 7.476 | 7.791 | 7.476 |
| MUNDRA_UMPP | 0.000 | 0.000 | 0.000 | 0.000 |
| ANTA (GAS) | 27.239 | 26.150 | 20.064 | 19.252 |
| ANTA (RLNG) | 5.539 | 5.317 | 0.000 | 0.000 |
| ANTA (LIQUID) | 0.252 | 0.243 | 0.000 | 0.000 |
| DADRI (GAS) | 37.387 | 35.885 | 21.697 | 20.810 |
| DADRI (RLNG) | 29.835 | 28.646 | 0.000 | 0.000 |
| DADRI (LIQUID) | 0.563 | 0.543 | 0.000 | 0.000 |
| AURAIYA (GAS) | 15.237 | 14.628 | 8.333 | 7.994 |
| AURAIYA (RLNG) | 38.243 | 36.712 | 0.000 | 0.000 |
| AURAIYA (LIQUID) | 0.295 | 0.285 | 0.000 | 0.000 |
| SINGRAULI | 103.007 | 98.878 | 102.981 | 98.853 |
| RIHAND -I | 62.062 | 59.580 | 60.899 | 58.460 |
| RIHAND -II | 86.169 | 82.724 | 82.879 | 79.558 |
| RIHAND -III | 44.619 | 42.835 | 44.366 | 42.591 |
| UNCHAHAR-I | 16.257 | 15.605 | 14.463 | 13.885 |
| UNCHAHAR-II | 33.115 | 31.788 | 30.622 | 29.393 |
| UNCHAHAR-III | 20.380 | 19.567 | 18.942 | 18.185 |
| DADRI (TH) | 543.488 | 521.764 | 354.307 | 340.143 |
| DADRI (TH) STAGE-II | 535.431 | 513.976 | 495.463 | 475.597 |
| NAPP | 26.226 | 25.179 | 26.046 | 25.005 |
| RAPP 'B' | 0.000 | 0.000 | 0.000 | 0.000 |
| RAPP 'C' | 40.593 | 38.970 | 40.593 | 38.970 |
| NATHPA JHAKRI | 22.846 | 21.940 | 16.622 | 15.963 |
| DULASTI | 11.085 | 10.645 | 11.085 | 10.645 |
| TEHRI | 23.628 | 22.673 | 23.628 | 22.673 |
| JHAJJAR | 276.313 | 265.274 | 58.388 | 56.068 |
| KHELGAON | 35.665 | 34.239 | 30.250 | 29.039 |
| KHELGAON-II | 108.528 | 104.178 | 100.358 | 96.333 |
| FARAKA | 16.149 | 15.504 | 14.546 | 13.967 |
| TALA | 3.426 | 3.291 | 3.334 | 3.202 |
| DVC | 138.656 | 137.070 | 137.070 | 131.633 |

| 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 |
|---|---|---|---|---|
| HARYANA | 32.966 | 32.367 | 32.367 | 31.073 |
| WEST BENGAL | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC CTPS (BRPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC CTPS (BYPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC CTPS (NDPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| METHON POWER(NDPL)LT-06 | 188.503 | 185.790 | 185.790 | 178.375 |
| DVC MEJIA (LT-08)(BYPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| URS | 0.000 | 0.000 | 0.000 | 0.000 |
| RAJASTHAN | 0.254 | 0.249 | 0.249 | 0.240 |
| GUJRAT | 0.569 | 0.560 | 0.560 | 0.540 |
| DVC (FOR NDPL) LT-09 | 4.151 | 4.104 | 4.104 | 3.950 |
| HARYANA (LT-05) | 36.620 | 35.956 | 35.956 | 34.521 |
| UTTAR PRADESH | 36.829 | 35.939 | 35.939 | 34.502 |
| ORISSA | 1.383 | 1.365 | 1.365 | 1.313 |
| TO UTTAR PRADESH | -20.959 | -21.381 | -21.381 | -22.212 |
| TO JAMMU & KASHMIR | -137.028 | -139.582 | -139.582 | -145.445 |
| TO TRIPURA | -2.922 | -2.954 | -2.954 | -3.075 |
| TO ANDHRA | -0.501 | -0.512 | -0.512 | -0.533 |
| TO MADHYA PRADESH | -116.295 | -118.697 | -118.697 | -123.641 |
| TO GUJRAT | -3.761 | -3.838 | -3.838 | -3.995 |
| TO RAJASTHAN | -66.935 | -68.380 | -68.380 | -71.229 |
| TO MAHARASHTRA | -8.737 | -8.946 | -8.946 | -9.317 |
| TO TAMILNADU | -0.609 | -0.625 | -0.625 | -0.650 |
| TO HIMACHAL PRADESH | -79.156 | -80.617 | -80.617 | -83.975 |
| TO WEST BENGAL | -0.039 | -0.039 | -0.039 | -0.041 |
| POWER EXCHANGE(IEX) | 15.431 | 14.792 | 15.431 | 14.792 |
| TO POWER EXCHANGE (IEX) | -235.218 | -244.905 | -235.218 | -244.905 |
| POWRER EXCHANGE(PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO POWER EXCHANGE (PX) | -30.253 | -31.510 | -30.253 | -31.510 |
| TO SHARE PROJECT (HARYANA) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO SHARE PROJECT (PUNJAB) | 0.000 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **2012.411** | **1895.265** | **1413.527** | **1299.025** |

## 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 | 1599.120 | 1535.124 | 1255.017 | 1204.719 |
| NTPC - ER | 160.342 | 153.920 | 145.155 | 139.339 |
| NHPC | 51.171 | 49.131 | 51.171 | 49.131 |
| NPC | 66.819 | 64.149 | 66.639 | 63.975 |
| SASAN | 48.005 | 46.079 | 47.993 | 46.067 |
| KOTESHWAR | 7.791 | 7.476 | 7.791 | 7.476 |
| MUNDRA_UMPP | 0.000 | 0.000 | 0.000 | 0.000 |
| NATHPA JHAKRI | 22.846 | 21.940 | 16.622 | 15.963 |
| TEHRI | 23.628 | 22.673 | 23.628 | 22.673 |
| TALA | 3.426 | 3.291 | 3.334 | 3.202 |
| JHAJJAR | 276.313 | 265.274 | 58.388 | 56.068 |
| TALCHER | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC | 138.656 | 137.070 | 137.070 | 131.633 |
| UTTRANCHAL | 0.000 | 0.000 | 0.000 | 0.000 |
| HARYANA | 32.966 | 32.367 | 32.367 | 31.073 |
| DVC CTPS (BRPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC CTPS (BYPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| DVC CTPS (NDPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| METHON POWER (NDPL)-LT-06 | 188.503 | 185.790 | 185.790 | 178.375 |
| DVC MEJIA (LT-08)(BYPL) | 0.000 | 0.000 | 0.000 | 0.000 |
| RAJASTHAN | 0.254 | 0.249 | 0.249 | 0.240 |
| GUJRAT | 0.569 | 0.560 | 0.560 | 0.540 |
| DVC (FOR NDPL) LT-09 | 4.151 | 4.104 | 4.104 | 3.950 |
| HARYANA (LT -05) | 36.620 | 35.956 | 35.956 | 34.521 |
| UTTAR PRADESH | 36.829 | 35.939 | 35.939 | 34.502 |
| ORISSA | 1.383 | 1.365 | 1.365 | 1.313 |
| POWER EXCHANGE(IEX) | 15.431 | 14.792 | 15.431 | 14.792 |
| POWER EXCHANGE(PX) | 0.000 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **2714.824** | **2617.250** | **2124.569** | **2039.553** |

## 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 MEGHALAYA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO ORISSA | 0.000 | 0.000 | 0.000 | 0.000 |
| TO UTTAR PRADESH | -20.959 | -21.381 | -21.381 | -22.212 |
| TO JAMMU & KASHMIR | -137.028 | -139.582 | -139.582 | -145.445 |
| TO ANDHRA | -0.501 | -0.512 | -0.512 | -0.533 |
| TO TRIPURA | -2.922 | -2.954 | -2.954 | -3.075 |
| TO MADHYA PRADESH | -116.295 | -118.697 | -118.697 | -123.641 |
| TO GUJRAT | -3.761 | -3.838 | -3.838 | -3.995 |
| TO RAJASTHAN | -66.935 | -68.380 | -68.380 | -71.229 |
| TO MAHARASHTRA | -8.737 | -8.946 | -8.946 | -9.317 |
| TO TAMILNADU | -0.609 | -0.625 | -0.625 | -0.650 |
| TO HIMACHAL PRADESH | -79.156 | -80.617 | -80.617 | -83.975 |
| TO WEST BENGAL | -0.039 | -0.039 | -0.039 | -0.041 |
| TO POWER EXCHANGE (IEX) | -235.218 | -244.905 | -235.218 | -244.905 |
| TO POWER EXCHANGE (PX) | -30.253 | -31.510 | -30.253 | -31.510 |
| TO SHARE PROJECT (HARYANA) | 0.000 | 0.000 | 0.000 | 0.000 |
| TO SHARE PROJECT (PUNJAB) | 0.000 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **-702.414** | **-721.985** | **-711.042** | **-740.528** |
| **TOTAL SCHEDULED DRAWAL FROM THE GRID** | **2012.411** | **1895.265** | **1413.527** | **1299.025** |
| TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS | | | | 1834.894 |
| NET CONSUMPTION | | | | **1823.688** |
| AVAILABILITY WITHIN DELHI | | | | 561.983 |
| ACTUAL DRAWAL FROM THE GRID | | | | 1261.705 |
| OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY | | | | -37.320 |
| LOAD SHEDDING | | | | 4.927 |
| UNRESTRICTED DEMAND (GROSS) | | | | 1839.821 |
| UNRESTRICTED DEMAND (NET) | | | | 1828.615 |
| MAX. NET CONSUMPTION | | | | 64.968 ON 27.12.2013 |
| MAX. LOAD SHEDDING | | | | 460MW ON 27.12.2013 AT 16.37HRS. |
| **PEAK LOAD** | Peak Demand during the month | | | SHEDDING AT PEAK TIME |
| DAY PEAK | 3775MW AT 10.13.09HRS ON 31.12.2013 | | | 4 MW |
| EVENING PEAK | 3402MW AT 18.30.00HRS ON 31.12.2013 | | | 0 MW |
| P.L.F. OF GENCO AND PRAGATI STNs. | RPH<br>GT<br>PRAGATI<br>RITHALA<br>BAWANA<br>Timarpur Okhla | | | 0.00%<br>32.98%<br>90.77%<br>0.00%<br>0.35%<br>59.60% |

## 9 SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2013.

**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-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 02-Dec-13 | 2 | 0.000 | 0.000 | 0.0000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.008 | 0.000 |
| 03-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 04-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 05-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 06-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.002 | 0.000 |
| 07-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.114 | 0.072 | 0.131 | 0.000 |
| 08-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.006 | 0.000 |
| 09-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.010 | 0.000 | 0.059 | 0.000 |
| 10-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.003 | 0.000 |
| 11-Dec-13 | 1 | 0.0000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.037 | 0.000 |
| 12-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.080 | 0.226 | 0.048 | 0.000 |
| 13-Dec-13 | 1 | 0.0004 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 14-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.020 | 0.014 | 0.000 | 0.000 |
| 15-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.008 | 0.001 | 0.000 | 0.000 |
| 16-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.016 | 0.005 | 0.022 | 0.012 |
| 17-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.003 | 0.021 | 0.010 | 0.000 |
| 18-Dec-13 | 1 | 0.000 | 0.000 | 0.0000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 19-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.003 | 0.026 | 0.041 | 0.000 |
| 20-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.154 | 0.477 | 0.490 | 0.000 |
| 21-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.137 | 0.678 | 0.154 | 0.000 |
| 22-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.013 | 0.000 | 0.000 |
| 23-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.016 | 0.000 |
| 24-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.004 | 0.000 |
| 25-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.079 | 0.538 | 0.068 | 0.000 |
| 26-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.030 | 0.000 |
| 27-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.012 | 0.283 | 0.000 | 0.000 |
| 28-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 29-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 30-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| 31-Dec-13 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **5** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.636** | **2.354** | **1.129** | **0.012** |

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-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 |
| 02-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.008** | **0.008** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 03-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 04-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 05-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 06-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.002** | **0.002** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 07-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.317** | **0.317** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 08-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.006** | **0.006** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 09-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.069** | **0.069** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.003** | **0.003** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.037** | **0.037** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.354** | **0.354** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 |
| 14-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.034** | **0.034** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 15-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.009** | **0.009** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.055** | **0.055** | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 |
| 17-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.034** | **0.034** | 0.001 | 0.002 | 0.000 | 0.000 | 0.000 |
| 18-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 19-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.070** | **0.070** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 20-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **1.121** | **1.121** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 21-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.969** | **0.969** | 0.007 | 0.000 | 0.058 | 0.000 | 0.000 |
| 22-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.013** | **0.013** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 23-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.016** | **0.016** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.004** | **0.004** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.685** | **0.685** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.030** | **0.030** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.295** | **0.295** | 0.001 | 0.015 | 0.012 | 0.000 | 0.000 |
| 28-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 |
| 29-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.114 | 0.000 | 0.000 | 0.000 |
| 30-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 |
| 31-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.000** | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 |
| | **0.000** | **0.000** | **0.000** | **0.000** | **4.131** | **4.131** | **0.009** | **0.169** | **0.072** | **0.000** | **0.000** |

ALL FIGURES IN MUs

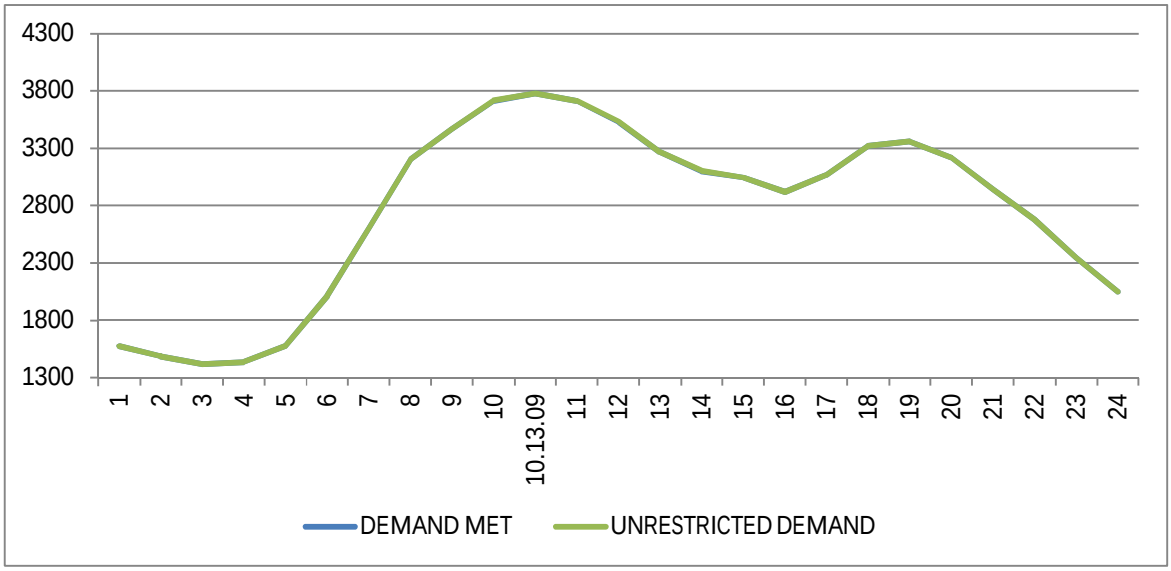
| DATE | DUE TO T&D CONTRAINTS | | | | OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC. | THEFT PRONE SHEDDING | | | TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE | GRAND TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| | DISCOMS | | | | | | | | | |
| | BSES | | NDPL | NDMC | | BSES | | NDPL | | |
| | BYPL | BRPL | | | | BYPL | BRPL | | | |
| 1 | 23 | 24 | 25 | | 26 | 27 | 28 | 29 | 30=18 to29 | 31=30+17 |
| 01-Dec-13 | 0.003 | 0.000 | 0.0004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.004** | **0.004** |
| 02-Dec-13 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.018** | **0.026** |
| 03-Dec-13 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.003** | **0.003** |
| 04-Dec-13 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.003** | **0.003** |
| 05-Dec-13 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | **0.003** | **0.003** |
| 06-Dec-13 | 0.008 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.017** | **0.019** |
| 07-Dec-13 | 0.022 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.027** | **0.344** |
| 08-Dec-13 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.006** | **0.012** |
| 09-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.069** |
| 10-Dec-13 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.002** | **0.005** |
| 11-Dec-13 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | **0.010** | **0.047** |
| 12-Dec-13 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.010** | **0.364** |
| 13-Dec-13 | 0.007 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0004 | **0.017** | **0.018** |
| 14-Dec-13 | 0.000 | 0.003 | 0.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.046** | **0.080** |
| 15-Dec-13 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | **0.011** | **0.020** |
| 16-Dec-13 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.022** | **0.077** |
| 17-Dec-13 | 0.037 | 0.035 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | **0.078** | **0.112** |
| 18-Dec-13 | 0.007 | 0.035 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | **0.045** | **0.045** |
| 19-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.000** | **0.070** |
| 20-Dec-13 | 0.000 | 0.012 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | **0.020** | **1.141** |
| 21-Dec-13 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.068** | **1.037** |
| 22-Dec-13 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.007** | **0.020** |
| 23-Dec-13 | 0.006 | 0.003 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.030** | **0.046** |
| 24-Dec-13 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | **0.021** | **0.025** |
| 25-Dec-13 | 0.001 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.011 | **0.013** | **0.698** |
| 26-Dec-13 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | **0.014** | **0.044** |
| 27-Dec-13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.008 | **0.036** | **0.331** |
| 28-Dec-13 | 0.001 | 0.040 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | **0.044** | **0.044** |
| 29-Dec-13 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.115** | **0.115** |
| 30-Dec-13 | 0.005 | 0.054 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | **0.076** | **0.076** |
| 31-Dec-13 | 0.000 | 0.008 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | **0.029** | **0.029** |
| **TOTAL** | **0.129** | **0.255** | **0.123** | **0.000** | **0.003** | **0.000** | **0.000** | **0.035** | **0.796** | **4.927** |

| 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-Dec-13 | 53.621 | **3052** | 09:55:17 | 0 | **3052** | **3052** | 09:55:17 | **3052** | 0 |
| 02-Dec-13 | 55.255 | **3102** | 18:15:31 | 11 | **3113** | **3113** | 18:15:31 | **3102** | 11 |
| 03-Dec-13 | 58.684 | **3169** | 18:27:40 | 0 | **3169** | **3169** | 18:27:40 | **3169** | 0 |
| 04-Dec-13 | 50.820 | **2788** | 10:00:32 | 0 | **2788** | **2788** | 10:00:32 | **2788** | 0 |
| 05-Dec-13 | 56.096 | **3199** | 18:31:10 | 0 | **3199** | **3199** | 18:31:10 | **3199** | 0 |
| 06-Dec-13 | 59.666 | **3228** | 18:09:53 | 0 | **3228** | **3228** | 18:09:53 | **3228** | 0 |
| 07-Dec-13 | 56.441 | **3099** | 10:23:49 | 0 | **3099** | **3099** | 10:23:49 | **3099** | 0 |
| 08-Dec-13 | 53.585 | **3175** | 10:53:06 | 0 | **3175** | **3175** | 10:53:06 | **3175** | 0 |
| 09-Dec-13 | 57.563 | **3134** | 10:03:31 | 0 | **3134** | **3134** | 10:03:31 | **3134** | 0 |
| 10-Dec-13 | 58.289 | **3166** | 18:20:49 | 0 | **3166** | **3166** | 18:20:49 | **3166** | 0 |
| 11-Dec-13 | 58.572 | **3191** | 10:02:23 | 0 | **3191** | **3191** | 10:02:23 | **3191** | 0 |
| 12-Dec-13 | 58.328 | **3214** | 18:50:58 | 0 | **3214** | **3214** | 18:50:58 | **3214** | 0 |
| 13-Dec-13 | 60.045 | **3263** | 11:14:57 | 0 | **3263** | **3263** | 11:14:57 | **3263** | 0 |
| 14-Dec-13 | 57.209 | **3252** | 10:00 | 0 | **3252** | **3252** | 10:00 | **3252** | 0 |
| 15-Dec-13 | 55.417 | **3189** | 10:54:18 | 0 | **3189** | **3189** | 10:54:18 | **3189** | 0 |
| 16-Dec-13 | 58.131 | **3232** | 10:26:25 | 0 | **3232** | **3232** | 10:26:25 | **3232** | 0 |
| 17-Dec-13 | 58.540 | **3221** | 18:37:36 | 0 | **3221** | **3253** | 10:00 | **3193** | 60 |
| 18-Dec-13 | 60.260 | **3307** | 10:38:09 | 0 | **3307** | **3307** | 10:38:09 | **3307** | 0 |
| 19-Dec-13 | 59.861 | **3391** | 10:18:14 | 0 | **3391** | **3391** | 10:18:14 | **3391** | 0 |
| 20-Dec-13 | 61.348 | **3492** | 10:25:56 | 0 | **3492** | **3492** | 10:25:56 | **3492** | 0 |
| 21-Dec-13 | 59.874 | **3372** | 10:05:53 | 0 | **3372** | **3372** | 10:05:53 | **3372** | 0 |
| 22-Dec-13 | 58.120 | **3379** | 10:56:06 | 0 | **3379** | **3379** | 10:56:06 | **3379** | 0 |
| 23-Dec-13 | 60.818 | **3513** | 10:02:32 | 0 | **3513** | **3513** | 10:02:32 | **3513** | 0 |
| 24-Dec-13 | 62.144 | **3389** | 10:16:30 | 0 | **3389** | **3389** | 10:16:30 | **3389** | 0 |
| 25-Dec-13 | 60.048 | **3516** | 10:01:58 | 66 | **3582** | **3582** | 10:01:58 | **3516** | 66 |
| 26-Dec-13 | 62.489 | **3548** | 10:08:30 | 0 | **3548** | **3548** | 10:08:30 | **3548** | 0 |
| 27-Dec-13 | 64.968 | **3676** | 10:49:19 | 0 | **3676** | **3676** | 10:49:19 | **3676** | 0 |
| 28-Dec-13 | 61.803 | **3554** | 10:05:00 | 3 | **3557** | **3557** | 10:05:00 | **3554** | 3 |
| 29-Dec-13 | 58.618 | **3490** | 10:20:53 | 82 | **3572** | **3572** | 10:20:53 | **3490** | 82 |
| 30-Dec-13 | 62.826 | **3710** | 10:01:23 | 11 | **3721** | **3721** | 10:01:23 | **3710** | 11 |
| 31-Dec-13 | 64.249 | **3775** | 10:13:09 | 4 | **3779** | **3779** | 10:13:09 | **3775** | 4 |
| **TOTAL** | **1823.688** | **3775** **31.12.13** | 10:13:09 | 4 | **3779** 31.12.13 | **3779** | 10:13:09 | 3775 | 4 |

## 10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2013 ON 31.12.2013- 3775MW AT 10.13.09HRS.

**All figures in MW**

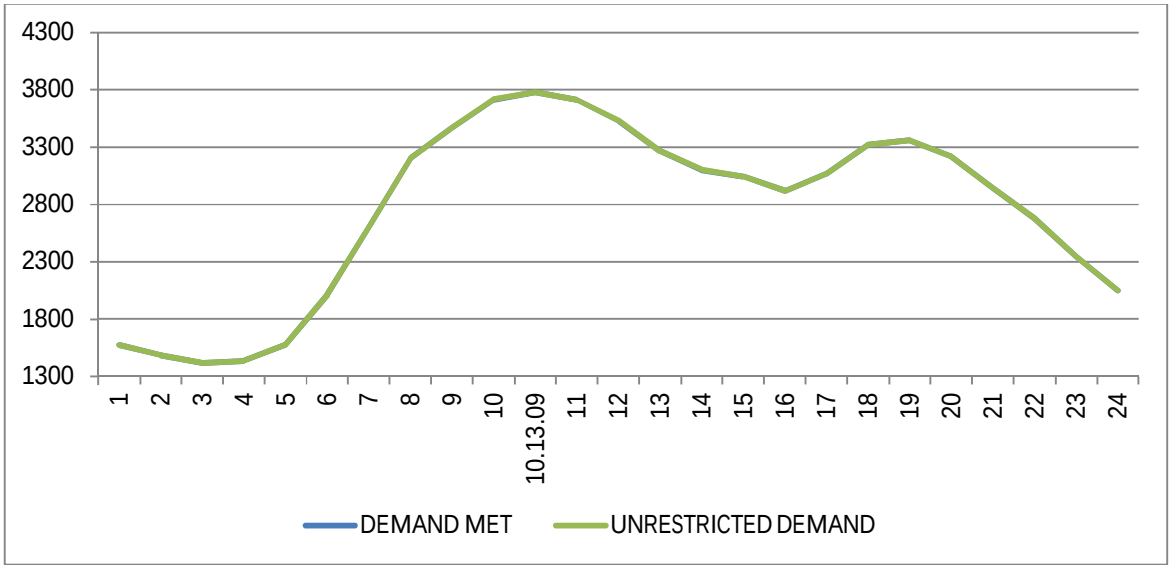
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| **1** | 1576 | 0 | 1576 |
| **2** | 1484 | 0 | 1484 |
| **3** | 1420 | 0 | 1420 |
| **4** | 1434 | 0 | 1434 |
| **5** | 1574 | 0 | 1574 |
| **6** | 2009 | 0 | 2009 |
| **7** | 2603 | 0 | 2603 |
| **8** | 3201 | 1 | 3202 |
| **9** | 3466 | 0 | 3466 |
| **10** | 3711 | 4 | 3715 |
| **10.13.09** | 3775 | 4 | 3779 |
| **11** | 3711 | 0 | 3711 |
| **12** | 3525 | 6 | 3531 |
| **13** | 3264 | 2 | 3266 |
| **14** | 3099 | 2 | 3101 |
| **15** | 3043 | 2 | 3045 |
| **16** | 2919 | 2 | 2921 |
| **17** | 3063 | 2 | 3065 |
| **18** | 3318 | 0 | 3318 |
| **19** | 3357 | 0 | 3357 |
| **20** | 3218 | 0 | 3218 |
| **21** | 2939 | 0 | 2939 |
| **22** | 2677 | 0 | 2677 |
| **23** | 2349 | 0 | 2349 |
| **24** | 2051 | 0 | 2051 |
| **TOTAL** | **64.249** | **0.029** | **64.278** |



## 11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2013 ON 31.12.2013- 3779MW at 10.13.09HRS.

**All figures in MW**

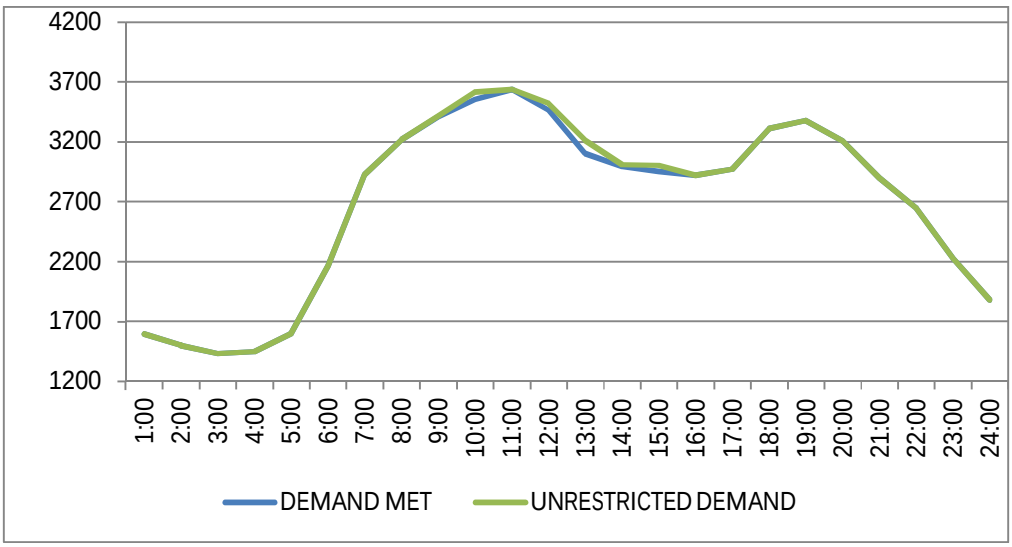
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| **1** | 1576 | 0 | 1576 |
| **2** | 1484 | 0 | 1484 |
| **3** | 1420 | 0 | 1420 |
| **4** | 1434 | 0 | 1434 |
| **5** | 1574 | 0 | 1574 |
| **6** | 2009 | 0 | 2009 |
| **7** | 2603 | 0 | 2603 |
| **8** | 3201 | 1 | 3202 |
| **9** | 3466 | 0 | 3466 |
| **10** | 3711 | 4 | 3715 |
| **10.13.09** | 3775 | 4 | 3779 |
| **11** | 3711 | 0 | 3711 |
| **12** | 3525 | 6 | 3531 |
| **13** | 3264 | 2 | 3266 |
| **14** | 3099 | 2 | 3101 |
| **15** | 3043 | 2 | 3045 |
| **16** | 2919 | 2 | 2921 |
| **17** | 3063 | 2 | 3065 |
| **18** | 3318 | 0 | 3318 |
| **19** | 3357 | 0 | 3357 |
| **20** | 3218 | 0 | 3218 |
| **21** | 2939 | 0 | 2939 |
| **22** | 2677 | 0 | 2677 |
| **23** | 2349 | 0 | 2349 |
| **24** | 2051 | 0 | 2051 |
| **TOTAL** | **64.249** | **0.029** | **64.278** |



## 12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2013 – 27.12.2013 – 64.968Mus

**All figures in MW**

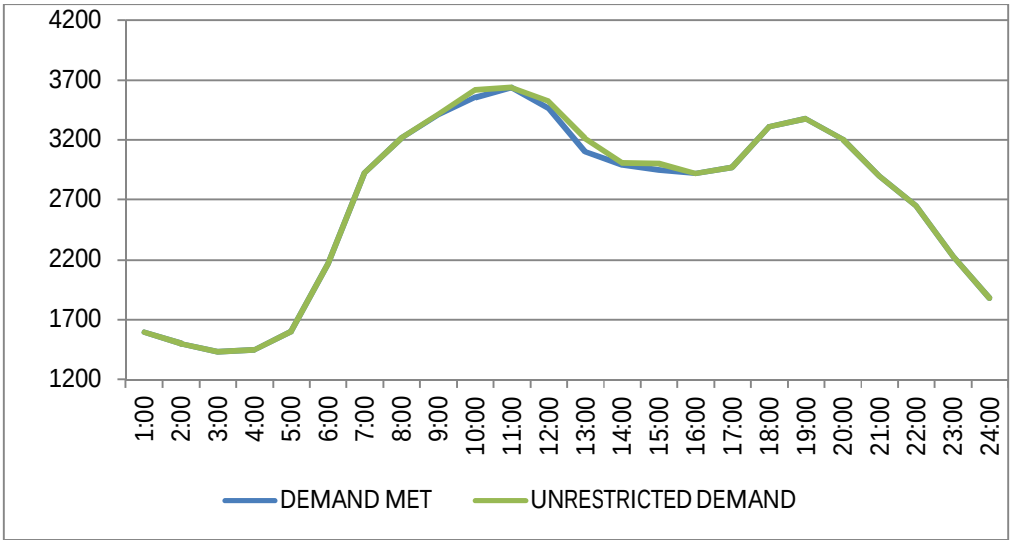
| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 1:00 | 1598 | 0 | 1598 |
| 2:00 | 1501 | 0 | 1501 |
| 3:00 | 1434 | 0 | 1434 |
| 4:00 | 1449 | 0 | 1449 |
| 5:00 | 1602 | 0 | 1602 |
| 6:00 | 2169 | 0 | 2169 |
| 7:00 | 2926 | 0 | 2926 |
| 8:00 | 3219 | 0 | 3219 |
| 9:00 | 3411 | 5 | 3416 |
| 10:00 | 3553 | 64 | 3617 |
| 11:00 | 3639 | 0 | 3639 |
| 12:00 | 3464 | 58 | 3522 |
| 13:00 | 3100 | 113 | 3213 |
| 14:00 | 2993 | 16 | 3009 |
| 15:00 | 2951 | 52 | 3003 |
| 16:00 | 2920 | 0 | 2920 |
| 17:00 | 2974 | 0 | 2974 |
| 18:00 | 3308 | 0 | 3308 |
| 19:00 | 3377 | 0 | 3377 |
| 20:00 | 3207 | 2 | 3209 |
| 21:00 | 2898 | 0 | 2898 |
| 22:00 | 2650 | 0 | 2650 |
| 23:00 | 2228 | 0 | 2228 |
| 24:00 | 1882 | 0 | 1882 |
| TOTAL | **64.968** | **0.331** | **65.299** |



## 13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2013 – 27.12.2013 – 65.299 Mus

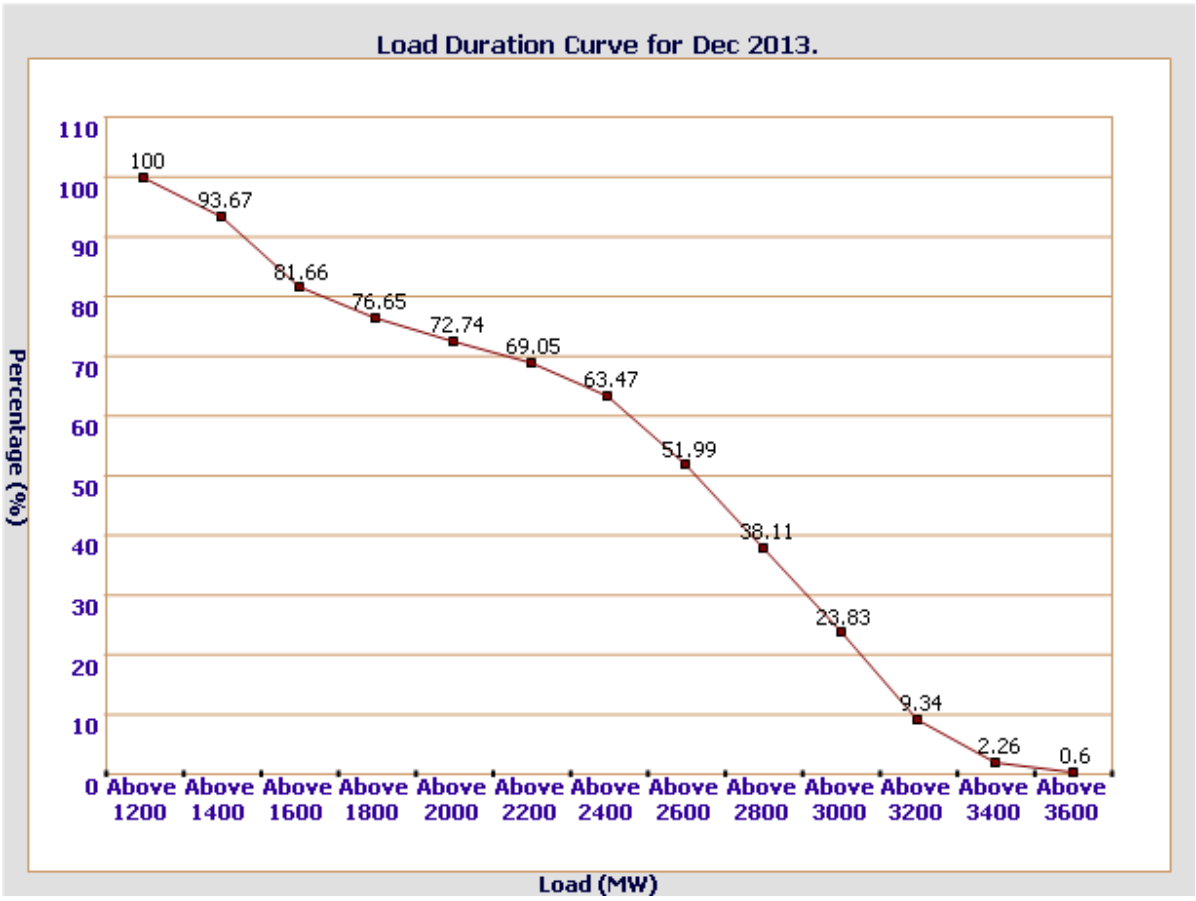
**All figures in MW**

| Hrs. | Demand | Load Shedding | Un-Restricted Demand |
|---|---|---|---|
| 1:00 | 1598 | 0 | 1598 |
| 2:00 | 1501 | 0 | 1501 |
| 3:00 | 1434 | 0 | 1434 |
| 4:00 | 1449 | 0 | 1449 |
| 5:00 | 1602 | 0 | 1602 |
| 6:00 | 2169 | 0 | 2169 |
| 7:00 | 2926 | 0 | 2926 |
| 8:00 | 3219 | 0 | 3219 |
| 9:00 | 3411 | 5 | 3416 |
| 10:00 | 3553 | 64 | 3617 |
| 11:00 | 3639 | 0 | 3639 |
| 12:00 | 3464 | 58 | 3522 |
| 13:00 | 3100 | 113 | 3213 |
| 14:00 | 2993 | 16 | 3009 |
| 15:00 | 2951 | 52 | 3003 |
| 16:00 | 2920 | 0 | 2920 |
| 17:00 | 2974 | 0 | 2974 |
| 18:00 | 3308 | 0 | 3308 |
| 19:00 | 3377 | 0 | 3377 |
| 20:00 | 3207 | 2 | 3209 |
| 21:00 | 2898 | 0 | 2898 |
| 22:00 | 2650 | 0 | 2650 |
| 23:00 | 2228 | 0 | 2228 |
| 24:00 | 1882 | 0 | 1882 |
| TOTAL | **64.968** | **0.331** | **65.299** |



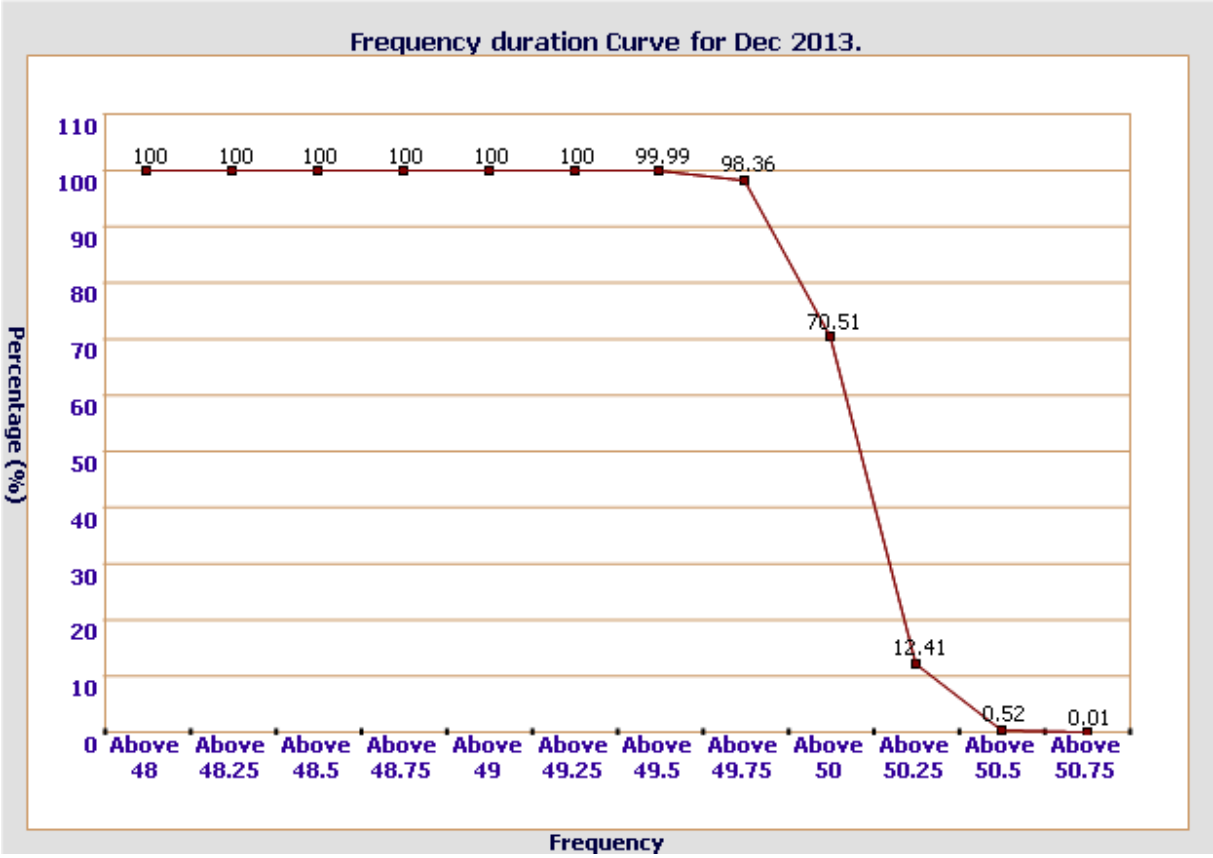
## 14 LOAD DURATION CURVE FOR DECEMBER 2013

| Load in MW | Percentage of Time |
|---|---|
| Above 1200 | 100 % |
| Above 1400 | 93.67 % |
| Above 1600 | 81.66 % |
| Above 1800 | 76.65 % |
| Above 2000 | 72.74 % |
| Above 2200 | 69.05 % |
| Above 2400 | 63.47 % |
| Above 2600 | 51.99 % |
| Above 2800 | 38.11 % |
| Above 3000 | 23.83 % |
| Above 3200 | 9.34 % |
| Above 3400 | 2.26 % |
| Above 3600 | 0.6 % |



## 15 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2013

| Frequency Range in Hz. | Percentage of time |
|---|---|
| Above 49.25 | 100 % |
| Above 49.5 | 99.99 % |
| Above 49.75 | 98.36 % |
| Above 50 | 70.51 % |
| Above 50.25 | 12.41 % |
| Above 50.5 | 0.52 % |
| Above 50.75 | 0.01 % |



## 16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING DECEMBER 2013

**All figures in kV**

| Date | NARELA | | GAZIPUR | |
|---|---|---|---|---|
| | Max | Min | Max | Min |
| 01-Dec-13 | 231.24 | 217.83 | 231.37 | 219.64 |
| 02-Dec-13 | 233.69 | 219.89 | 233.31 | 218.35 |
| 03-Dec-13 | -- | -- | -- | -- |
| 04-Dec-13 | -- | -- | -- | -- |
| 05-Dec-13 | -- | -- | -- | -- |
| 06-Dec-13 | 230.08 | 214.35 | 232.15 | 214.73 |
| 07-Dec-13 | 228.92 | 213.83 | 230.21 | 214.35 |
| 08-Dec-13 | 232.79 | 217.18 | 233.43 | 216.41 |
| 09-Dec-13 | 233.18 | 215.38 | 234.08 | 217.06 |
| 10-Dec-13 | 229.95 | 216.28 | 234.60 | 214.99 |
| 11-Dec-13 | 231.76 | 214.48 | 235.24 | 215.38 |
| 12-Dec-13 | 230.47 | 215.12 | 234.34 | 214.61 |
| 13-Dec-13 | 231.76 | 215.12 | 234.34 | 213.19 |
| 14-Dec-13 | 231.76 | 217.18 | 235.63 | 214.73 |
| 15-Dec-13 | 231.50 | 216.54 | 235.63 | 217.06 |
| 16-Dec-13 | 234.47 | 215.25 | 239.24 | 213.44 |
| 17-Dec-13 | 231.11 | 214.48 | 234.72 | -- |
| 18-Dec-13 | 228.53 | 213.70 | 233.05 | 215.12 |
| 19-Dec-13 | 230.60 | 213.44 | 234.72 | 219.76 |
| 20-Dec-13 | -- | -- | -- | -- |
| 21-Dec-13 | 232.40 | 215.25 | 224.15 | 210.87 |
| 22-Dec-13 | 236.40 | 219.89 | 237.17 | 219.12 |
| 23-Dec-13 | 235.63 | 218.90 | 237.30 | 218.35 |
| 24-Dec-13 | 234.47 | 216.67 | 236.40 | 218.86 |
| 25-Dec-13 | 233.18 | 216.54 | 233.95 | 214.61 |
| 26-Dec-13 | 233.31 | 216.93 | 235.11 | 217.96 |
| 27-Dec-13 | 232.40 | 214.61 | 233.95 | 214.35 |
| 28-Dec-13 | 233.43 | 215.12 | 233.43 | 212.80 |
| 29-Dec-13 | 233.82 | 217.96 | 234.08 | 218.86 |
| 30-Dec-13 | 233.69 | 215.64 | 23460 | 213.32 |
| 31-Dec-13 | 233.69 | 215.64 | 234.60 | 213.32 |

## 17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING DECEMBER 2013

**All figures in kV**

| Date | 400kV Bamnauli Grid Sub-Station | | | | |
|---|---|---|---|---|---|
| | Max KV | Max Time | Min KV | Min Time | Average KV |
| 01-Dec-13 | 426.07 | 03.40.15 | 403.09 | 11.24.13 | 414.80 |
| 02-Dec-13 | 427.47 | 03.06.58 | 402.85 | 18.10.01 | 412.58 |
| 03-Dec-13 | -- | -- | -- | -- | -- |
| 04-Dec-13 | -- | -- | -- | -- | -- |
| 05-Dec-13 | -- | -- | -- | -- | -- |
| 06-Dec-13 | 423.25 | 04.03.44 | 395.58 | 09.49.02 | 408.55 |
| 07-Dec-13 | 420.44 | 04.04.37 | 394.41 | 12.16.36 | 408.16 |
| 08-Dec-13 | 426.07 | 03.10.30 | 398.63 | 10.18.14 | 412.57 |
| 09-Dec-13 | 427.24 | 04.03.17 | 396.99 | 10.11.32 | 410.51 |
| 10-Dec-13 | -- | -- | -- | -- | -- |
| 11-Dec-13 | 426.54 | 04.03.29 | 395.58 | 10.24.13 | 407.21 |
| 12-Dec-13 | 424.43 | 04.03004 | 393.94 | 10.24.30 | 408.89 |
| 13-Dec-13 | 423.96 | 04.04.41 | 391.13 | 10.24.44 | 408.24 |
| 14-Dec-13 | 427.71 | 04.04.57 | 395.12 | 12.14.38 | 410.09 |
| 15-Dec-13 | 426.77 | 04.04.00 | 399.34 | 12.17.14 | 412.77 |
| 16-Dec-13 | 432.63 | 03.55.51 | 393.47 | 09.40.26 | 411.85 |
| 17-Dec-13 | 425.60 | 04.05.51 | 393.71 | 09.28.11 | 408.01 |
| 18-Dec-13 | 420.21 | 04.03.56 | 392.07 | 09.49.54 | 405.84 |
| 19-Dec-13 | 422.79 | 04.02.03 | 393.47 | 10.14.43 | 406.78 |
| 20-Dec-13 | -- | -- | -- | -- | -- |
| 21-Dec-13 | 423.72 | 03.09.09 | 397.46 | 10.20.54 | 410.25 |
| 22-Dec-13 | 426.30 | 03.06.00 | 396.76 | 10.45.46 | 413.09 |
| 23-Dec-13 | 427.47 | 04.07.20 | -- | -- | 411.06 |
| 24-Dec-13 | 427.24 | 04.04.37 | 398.16 | 11.08.54 | 413.79 |
| 25-Dec-13 | 425.13 | 04.01.45 | 394.41 | 10.33.00 | 411.44 |
| 26-Dec-13 | 425.36 | 03.17.17 | 399.57 | 10.47.52 | 412.52 |
| 27-Dec-13 | 424.43 | 04.02.55 | 393.71 | 10.20.17 | 411.91 |
| 28-Dec-13 | 423.02 | 04.03.00 | 393.94 | 09.38.08 | 409.42 |
| 29-Dec-13 | 423.72 | 04.01.43 | 402.62 | 11.23.06 | 413.13 |
| 30-Dec-13 | 423.96 | 23.43.21 | 392.07 | 10.38.25 | 410.16 |
| 31-Dec-13 | 429.59 | 03.02.13 | 400.98 | 11.19.43 | 413.83 |

**All figures in kV**

| Date | 400kV Bawana Grid Sub-Station | | | | |
|---|---|---|---|---|---|
| | Max KV | Max Time | Min KV | Min Time | Average KV |
| 01-Dec-13 | 423.72 | 23.44.16 | 404.49 | 11.25.23 | 416.65 |
| 02-Dec-13 | 427.47 | 03.06.58 | 402.85 | 18.10.01 | 412.58 |
| 03-Dec-13 | -- | -- | -- | -- | -- |
| 04-Dec-13 | -- | -- | -- | -- | -- |
| 05-Dec-13 | -- | -- | -- | -- | -- |
| 06-Dec-13 | 423.72 | 04.03.14 | 401.45 | 10.25.24 | 411.83 |
| 07-Dec-13 | 421.38 | 21.47.09 | 399.57 | 12.19.56 | 412.15 |
| 08-Dec-13 | 427.47 | 04.04.34 | 404.49 | 12.10.31 | 415.85 |
| 09-Dec-13 | 426.77 | 03.07.05 | 401.92 | 12.20.20 | 413.94 |
| 10-Dec-13 | -- | -- | -- | -- | -- |
| 11-Dec-13 | 427.94 | 04.04.59 | 402.15 | 10.25.03 | 411.30 |
| 12-Dec-13 | 425.13 | 04.03.27 | 401.92 | 10.26.00 | 413.58 |
| 13-Dec-13 | 425.60 | 03.07.17 | 400.98 | 10.24.44 | 413.19 |
| 14-Dec-13 | 429.82 | 04.04.57 | 402.15 | 12.15.28 | 414.56 |
| 15-Dec-13 | 427.71 | 04.04.00 | 404.26 | 12.22.44 | 415.82 |
| 16-Dec-13 | 431.46 | 03.55.51 | 401.45 | 09.50.07 | 413.84 |
| 17-Dec-13 | 426.77 | 04.03.31 | 400.51 | 09.25.51 | 412.97 |
| 18-Dec-13 | 419.74 | 04.02.56 | 398.40 | 15.24.35 | 409.42 |
| 19-Dec-13 | 423.96 | 04.02.43 | 399.57 | 12.45.03 | 411.17 |
| 20-Dec-13 | -- | -- | -- | -- | -- |
| 21-Dec-13 | 425.60 | 03.09.09 | 404.03 | 10.20.54 | 414.35 |
| 22-Dec-13 | 430.29 | 04.03.23 | 406.84 | 10.25.04 | 418.05 |
| 23-Dec-13 | 428.65 | 01.33.51 | 405.43 | 09.46.31 | 415.07 |
| 24-Dec-13 | 427.24 | 04.04.17 | 401.45 | 09.52.39 | 413.27 |
| 25-Dec-13 | 424.19 | 04.01.45 | 399.57 | 10.27.50 | 412.64 |
| 26-Dec-13 | 424.43 | 04.04.00 | 401.45 | 10.46.32 | 412.84 |
| 27-Dec-13 | 422.79 | 04.02.55 | 397.93 | 11.18.31 | 414.23 |
| 28-Dec-13 | 424.90 | 03.32.18 | 399.57 | 09.37.48 | 412.55 |
| 29-Dec-13 | 426.30 | 04.02.33 | 406.61 | 11.19.36 | 416.09 |
| 30-Dec-13 | 426.07 | 23.32.00 | 398.63 | 11.23.38 | 413.43 |
| 31-Dec-13 | 430.99 | 03.10.03 | 406.61 | 15.16.35 | 416.70 |

# 18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

| Sl. No | SUB-STATION | INSTALLED CAPACITY | | | |
|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** |
| **1** | **IP YARD** | | 30 | | **30** |
| 1 | Kamla Market | | | 16.35 | **16.35** |
| 2 | Minto Road | | | | **0** |
| 3 | GB Pant Hosp | | | 15.88 | **15.88** |
| 4 | Delhi Gate | | | 10.9 | **10.9** |
| 5 | Tilakmarg | | | 5.04 | **5.04** |
| 7 | Cannaught Place | | | 10.08 | **10.08** |
| 8 | Kilokri | | 10.08 | 10.48 | **20.56** |
| 9 | NDSE | | | | **0** |
| 11 | Nizamuddin | | | | **0** |
| 12 | Exhibition-I | | | | **0** |
| 13 | Exhibition-II | | | | **0** |
| 14 | Defence Colony | | | | **0** |
| 15 | IG Stadium | | 10.08 | 5.45 | **15.53** |
| 16 | Lajpat Nagar | | | | **0** |
| 17 | IP Estate | | | 10.9 | **10.9** |
| | **LT BYPL** | | | | **5.6** |
| | | **0** | **50.16** | **85.08** | **140.84** |
| **2** | **Electric Lane** | | | | |
| 1 | Electric Lane | | | 5.04 | **5.04** |
| 2 | Scindia House | | | 5.04 | **5.04** |
| 3 | Raisina Road | | | 10.08 | **10.08** |
| 4 | Raja Bazar | | | 10.08 | **10.08** |
| | **LT NDMC** | | | | **12** |
| | | **0** | **0** | **30.24** | **42.24** |
| **3** | **RPH Station** | | 20 | | **20** |
| 1 | Lahori Gate | | | 10.49 | **10.49** |
| 2 | Jama Masjid | | | 10.48 | **10.48** |
| 4 | Kamla Market | | | | **0** |
| 5 | Minto Road | | | 10.9 | **10.9** |
| 6 | GB Pant Hosp | | | | **0** |
| 7 | IG Stadium | | | | **0** |
| | **LT BYPL** | | | | **3** |
| | | **0** | **20** | **31.87** | **54.87** |
| **4** | **Parkstreet S/stn** | 20 | 20 | | **40** |
| 1 | Shastri Park | | 10.896 | 5.45 | **16.346** |
| 2 | Faiz Road | | | 18.05 | **18.05** |
| 3 | Motia Khan | | | 16.3 | **16.3** |
| 4 | Prasad Nagar | | | 16.25 | **16.25** |
| 5 | Anand Parbat | | | 10.8 | **10.8** |
| 6 | Shankar Road | | | 5.04 | **5.04** |
| 7 | Rama Road | | | 0 | **0** |
| 8 | Baird Road | | | 10.08 | **10.08** |
| 9 | Hanuman Road | | | 5.04 | **5.04** |
| 10 | Pusa | | | 5.44 | **5.44** |
| 11 | Ridge Valley | | | 0 | **0** |
| 12 | B. D. Marg | | | 0 | **0** |
| 13 | Nirman Bhawan | | | 5.04 | **5.04** |
| | **LT BYPL** | | | 0 | **30.1** |
| | | **20.00** | **30.90** | **97.49** | **178.486** |
| **5** | **Naraina S/stn** | | 20 | 5.04 | **25.04** |
| 1 | DMS | | | 10.85 | **10.85** |
| 2 | Mayapuri | | 10.87 | 10.4 | **21.27** |
| 3 | Inderpuri | | 10 | 4.8 | **14.8** |
| 4 | Rewari line | | | | **0** |
| 5 | Khyber Lane | | 10.05 | | **10.05** |
| 6 | Kirbi Place | | 10.05 | | **10.05** |
| 7 | Payal | | | 7.2 | **7.2** |
| 8 | Saraswati Garden | | | 10.88 | **10.88** |
| | | **0** | **60.97** | **49.17** | **110.14** |

| Sl. No | SUB-STATION | INSTALLED CAPACITY | | | |
|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** |
| **6** | **Mehrauli S/stn** | 80 | | 5.04 | **85.04** |
| 1 | Adchini | | | 14.61 | **14.61** |
| 2 | Andheria Bagh | | | 10.85 | **10.85** |
| 3 | IIT | | | 10.9 | **10.9** |
| 4 | JNU | | 10.03 | 10.03 | **20.06** |
| 5 | Bijwasan | | | 15.47 | **15.47** |
| 6 | DC Saket | | | 9.98 | **9.98** |
| 7 | Malviya Nagar | | | | **0** |
| 8 | C Dot | | | 10.48 | **10.48** |
| 9 | Vasant kunj B-Blk | 21.79 | | 10.9 | **32.69** |
| 10 | Vasant kunj C-Blk | 20.16 | | 10.48 | **30.64** |
| 11 | Palam | | | | **0** |
| 12 | IGNOU | | | 5.04 | **5.04** |
| 13 | R. K. Puram-I | | | 10.07 | **10.07** |
| 14 | Vasant Vihar | | | 19.25 | **19.25** |
| 15 | Pusp Vihar | | | 10.44 | **10.44** |
| 16 | Bhikaji Cama Place | | 10.08 | 10.07 | **20.15** |
| | **LT BRPL** | | | | **25** |
| | | **121.95** | **20.11** | **163.61** | **330.67** |
| **7** | **Vasantkunj S/stn** | 40 | | 5.04 | **45.04** |
| 1 | R. K. Puram-II | | | 10.08 | **10.08** |
| 2 | Vasant kunj C-Blk | | | | **0** |
| 3 | Vasant kunj D-Blk | | | 9.63 | **9.63** |
| 4 | Ridge Valley | | | | **0** |
| | **LT BRPL** | | | | **33.2** |
| | | **40** | **0** | **24.75** | **97.95** |
| **8** | **Okhla S/stn** | 60 | 10 | 5.04 | **75.04** |
| 1 | Balaji | | | 10.8 | **10.8** |
| 2 | East of Kailash | | | 15.89 | **15.89** |
| 3 | Alaknanda | | | 16.3 | **16.3** |
| 4 | Malviya Nagar | 21.79 | | 10.85 | **32.64** |
| 5 | Masjid Moth | | | 16.3 | **16.3** |
| 6 | Nehru Place | | | 21.34 | **21.34** |
| 7 | Okhla Ph-I | 21.79 | | 16.3 | **38.09** |
| 8 | Okhla Ph-II | | 20.93 | 15.47 | **36.4** |
| 9 | Shivalik | | | 10.8 | **10.8** |
| 10 | Batra | | | 15.9 | **15.9** |
| 11 | VSNL | | | 10.9 | **10.9** |
| 12 | Siri Fort | | | 10.49 | **10.49** |
| 13 | Tuglakabad | | | 10.85 | **10.85** |
| | **LT BRPL** | | | | **59** |
| | | **103.58** | **30.93** | **187.23** | **380.74** |
| **9** | **Lodhi Road S/stn** | | 20 | | **20** |
| 1 | Defence Colony | | 14.85 | | **14.85** |
| 2 | Hudco | | 10.9 | | **10.9** |
| 3 | Lajpat Nagar | | 10.9 | | **10.9** |
| 4 | Nizamuddin | | 10.44 | | **10.44** |
| 5 | Vidyut Bhawan | | | | **0** |
| 6 | Ex. Gr. II | | | | **0** |
| 7 | IHC | | | | **0** |
| | **LT BRPL** | | | | **42** |
| | | **0** | **67.09** | **0** | **109.09** |
| **10** | **Sarita Vihar S/stn** | 20 | | 5.04 | **25.04** |
| 1 | Sarita Vihar | | | 10.07 | **10.07** |
| 2 | MCIE | | | 10.06 | **10.06** |
| 3 | Mathura Road | 20.16 | | 11.69 | **31.85** |
| 4 | Jamia Millia | | | 10.89 | **10.89** |
| 5 | Sarai Julena | | 10.08 | 16.29 | **26.37** |
| 6 | Jasola | | | 5.44 | **5.44** |
| | **LT BRPL** | | | | **23.6** |
| | | **40.16** | **10.08** | **69.48** | **143.32** |

| Sl. No | SUB-STATION | INSTALLED CAPACITY | | | |
|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** |
| **11** | **Wazirabad** | | | | |
| 1 | Bhagirathi | | 14.4 | 10.9 | **25.3** |
| 2 | Ghonda | 21.79 | 22.56 | 15.94 | **60.29** |
| 3 | Seelam Pur | | 10.08 | 21.39 | **31.47** |
| 4 | Dwarkapuri | | | 15.46 | **15.46** |
| 5 | Nandnagri | 20.16 | | 16.35 | **36.51** |
| 6 | Yamuna Vihar | | | 16.2 | **16.2** |
| 7 | East of Loni Road | | | 10.8 | **10.8** |
| 8 | Shastri Park | | | 10.9 | **10.9** |
| 9 | Karawal Nagar | | | 5.4 | **5.4** |
| 10 | Sonia Vihar | | | 7.2 | **7.2** |
| | **LT BYPL** | | | | **10** |
| | | **41.95** | **47.04** | **130.54** | **229.53** |
| **12** | **Geeta Colony** | | | | |
| 1 | Geeta Colony | | | | **0** |
| 2 | Kanti Nagar | | | 10.49 | **10.49** |
| 3 | Kailash Nagar | | | 10.9 | **10.9** |
| 4 | Seelam Pur | | | 15.48 | **15.48** |
| 5 | Shakar Pur | | | | **0** |
| | **LT BYPL** | | | | **5.8** |
| | | **0** | **0** | **36.87** | **42.67** |
| **13** | **Gazipur S/stn** | 40 | | 5.04 | **45.04** |
| 1 | Dallupura | 28.8 | | 10.9 | **39.7** |
| 2 | Vivek Vihar | | | 9.57 | **9.57** |
| 3 | GT Road | | | 10.85 | **10.85** |
| 4 | Kondli | 20.16 | | 10.85 | **31.01** |
| 5 | MVR-I | | | 10.9 | **10.9** |
| 6 | MVR-II | 20.16 | | 10.9 | **31.06** |
| 7 | PPG Ind. Area | | | 10.06 | **10.06** |
| | **LT BYPL** | | | | **20.6** |
| | | **109.12** | **0** | **79.07** | **208.79** |
| **14** | **Patparganj S/stn** | 40 | 20 | 5.04 | **65.04** |
| 1 | GH-I | 19.89 | | 10.45 | **30.34** |
| 2 | GH-II | 20.09 | | 10.9 | **30.99** |
| 3 | CBD | | 10.03 | 15.48 | **25.51** |
| 4 | Guru Angad Nagar | | | 15.49 | **15.49** |
| 5 | Karkadooma | | 10.8 | 10.44 | **21.24** |
| 6 | Preet Vihar | | | 10.07 | **10.07** |
| 7 | CBD-II | | | 10.8 | **10.8** |
| 8 | Shakarpur | | | 10.8 | **10.8** |
| 9 | Jhilmil | | | 10.8 | **10.8** |
| 10 | Dilshad Garden | 20.16 | | 16.35 | **36.51** |
| 11 | Khichripur | 21.79 | | 10.49 | **32.28** |
| 12 | Mother Dairy | | | | **0** |
| 13 | Scope Building | | | | **0** |
| 14 | Vivek Vihar | | | | **0** |
| 15 | Akhardham | | | 14.6 | **14.6** |
| | **LT BYPL** | | | | **23.3** |
| | | **121.93** | **40.83** | **151.71** | **337.77** |
| **15** | **Najafgarh S/stn** | 60 | | 5.04 | **65.04** |
| 1 | A4 Paschim Vihar | | | 10.8 | **10.8** |
| 2 | Nangloi | 21.73 | | 15.84 | **37.57** |
| 3 | Nangloi W/W | 20.89 | | 10.85 | **31.74** |
| 4 | Pankha Road | | | 15.88 | **15.88** |
| 5 | Jaffarpur | | | 15.43 | **15.43** |
| 7 | Inst. Area Janakpuri | | | 17.6 | **17.6** |
| 8 | Paschimpuri | | 10.05 | 15.47 | **25.52** |
| 9 | Paschim Vihar | 41.83 | | 15.43 | **57.26** |
| 10 | Mukherjee Park | | | 20.83 | **20.83** |
| 11 | Udyog Nagar | | | 10.43 | **10.43** |
| 12 | Choukhandi | | | 10.07 | **10.07** |
| | **LT BRPL** | | | | **27** |
| | | **144.45** | **10.05** | **163.67** | **345.17** |

| Sl. No | SUB-STATION | INSTALLED CAPACITY | | | |
|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** |
| **16** | **Pappankalan-I S/stn** | 20 | | 5.04 | **25.04** |
| 1 | Bindapur Grid G-3 PPK | 21.73 | | 15.85 | **37.58** |
| 2 | Bodella-I | 20.1 | | 16.24 | **36.34** |
| 3 | Bodella-II | 21.73 | | 17.64 | **39.37** |
| 4 | DC Janakpuri | | | 10.03 | **10.03** |
| 5 | G-2 PPK | | | 10.8 | **10.8** |
| 6 | G-5 PPK | | | 15.51 | **15.51** |
| 7 | G-6 PPK | | | 5.4 | **5.4** |
| 8 | G-15 PPK | | | 10.8 | **10.8** |
| 9 | Harinagar | 21.18 | | 16.25 | **37.43** |
| 10 | Rewari line | | | 5.44 | **5.44** |
| | **LT BRPL** | | | | **13.5** |
| | | **104.74** | **0** | **129** | **247.24** |
| **17** | **BBMB Rohtak Road** | | | | |
| 1 | S.B. Mill | | | 10.07 | **10.07** |
| 2 | Rama Road | | | 10.88 | **10.88** |
| 3 | Ram Pura | | | 10.48 | **10.48** |
| 4 | Rohtak Road | | | 8.04 | **8.04** |
| 5 | Vishal | | | 10.4 | **10.4** |
| 6 | Tri Nagar | | | 5.44 | **5.44** |
| 7 | Madipur | | | 10.43 | **10.43** |
| 8 | Sudershan Park | | | 10.08 | **10.08** |
| 9 | Kirti Nagar | | | 5.44 | **5.44** |
| | | **0** | **0** | **81.26** | **81.26** |
| **18** | **Shalimarbagh S/stn** | | 40 | 6 | **46** |
| 1 | S.G.T. Nagar | | | 5.44 | **5.44** |
| 2 | Wazirpur-1 | | | 17.18 | **17.18** |
| 3 | Wazirpur-2 | | | 11.39 | **11.39** |
| 4 | Ashok Vihar | | | 5.44 | **5.44** |
| 5 | Rani Bagh | | | 10.88 | **10.88** |
| 6 | Haiderpur | | | 11.39 | **11.39** |
| 7 | SMB FC | | | 5.44 | **5.44** |
| 8 | SMB KHOSLA | | | 5.44 | **5.44** |
| | **LT TPDDL** | | | | **30** |
| | | **0** | **40** | **78.6** | **148.6** |
| **19** | **Subzimandi S/stn** | | | 6 | **6** |
| 1 | Shakti Nagar | | | 5.94 | **5.94** |
| 2 | Gulabibagh | | | 10.88 | **10.88** |
| 3 | Shahzadabagh | | | 13.68 | **13.68** |
| 4 | DU | | | 5.44 | **5.44** |
| 5 | Tripolia | | | 10.88 | **10.88** |
| | B. G. Road | | | 5.4 | **5.4** |
| | **LT BYPL** | | | | **0.9** |
| | **LT TPDDL** | | | | **20** |
| | | **0** | **0** | **58.22** | **79.12** |
| **20** | **Narela S/stn** | 40 | | 5.04 | **45.04** |
| 1 | A-7 Narela | | | 10.88 | **10.88** |
| 2 | AIR Kham pur | | | 6 | **6** |
| 3 | Ashok vihar | | | 10.48 | **10.48** |
| 4 | Azad Pur | | | 5.44 | **5.44** |
| 5 | Tri Nagar | | | 5.44 | **5.44** |
| 6 | Badli | 20 | | 5.95 | **25.95** |
| 7 | DSIDC Narela-1 | | | 5.95 | **5.95** |
| 8 | GTK | | | 5.44 | **5.44** |
| 9 | Jahangirpuri | 20 | 10 | 0 | **30** |
| 10 | Bhalswa | | | 3.6 | **3.6** |
| | **LT TPDDL** | | | | **10** |
| | | **80** | **10** | **64.22** | **164.22** |

| Sl. No | SUB-STATION | INSTALLED CAPACITY | | | |
|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** |
| **21** | **Gopalpur S/stn** | | 30 | 5.04 | **35.04** |
| 1 | Azad Pur | | | 10.88 | **10.88** |
| 2 | Hudson Lane | | | 5.44 | **5.44** |
| 3 | Wazirabad | | | 2.4 | **2.4** |
| 4 | Indra Vihar | | | 5.44 | **5.44** |
| 6 | GTK Road | | | 5.94 | **5.94** |
| 7 | Jahangirpuri | | 10 | 5.95 | **15.95** |
| 8 | Civil lines | | | 5.44 | **5.44** |
| 9 | Pitam Pura-1 | | | 5.44 | **5.44** |
| 10 | Pitam Pura-3 | | | 5.44 | **5.44** |
| 11 | Air Khampur | | | 5.95 | **5.95** |
| 12 | SGT Nagar | | | 5.95 | **5.95** |
| 13 | Tiggipur | | | 10.88 | **10.88** |
| | **LT TPDDL** | | | | **29** |
| | | **0** | **40** | **80.19** | **149.19** |
| **22** | **Rohini S/stn** | 40 | | 6 | **46** |
| 1 | Rohini Sec-22 | | | 10.88 | **10.88** |
| 2 | Rohini Sec-23 | 20 | | 5.44 | **25.44** |
| 3 | Rohini Sec-24 | | | 5.44 | **5.44** |
| 4 | Rohini-1 | | | 5.44 | **5.44** |
| 5 | Rohini-3 | | | 5.95 | **5.95** |
| 6 | Rohini-4 | | | 11.39 | **11.39** |
| 7 | Rohini-5 | | | 11.39 | **11.39** |
| 8 | Rohini-6 | | | 5.95 | **5.95** |
| 9 | Mangolpuri-1 | | | 16.83 | **16.83** |
| 10 | Mangolpuri-2 | 20 | | 5.94 | **25.94** |
| 11 | Pitam Pura-1 | 20 | | 5.04 | **25.04** |
| 12 | Pitam Pura-2 | | | 10.48 | **10.48** |
| 13 | Rohini DC-1 | | | 14.4 | **14.4** |
| | **LT TPDDL** | | | | **30** |
| | | **100** | **0** | **120.57** | **250.57** |
| **23** | **Kanjhawala S/stn** | 20 | | 5.04 | **25.04** |
| 1 | Bawana Clear Water | | | 10.88 | **10.88** |
| 2 | Pooth Khoord | | | 5.44 | **5.44** |
| | | **20** | **0** | **21.36** | **41.36** |
| **24** | **BAWANA S/stn** | | | | |
| 1 | Bawana S/stn No. 6 | | | 10.88 | **10.88** |
| 2 | Bawana S/stn No. 7 | | | | **0** |
| | | **0** | **0** | **10.88** | **10.88** |
| **25** | **Kashmeregate S/stn** | | | 5.04 | **5.04** |
| 1 | Civil lines | | | 5.44 | **5.44** |
| 2 | Town Hall | | | 8.64 | **8.64** |
| 3 | Fountain | | | 5.45 | **5.45** |
| | **LT BYPL** | | | | **2.7** |
| | | **0** | **0** | **24.57** | **27.27** |
| **26** | **Pappankalan-II** | | | | |
| 1 | DMRC-I | | | | **0** |
| 2 | DMRC-II | | | | **0** |
| **27** | **Trauma Center (AIIMS)** | | | | |
| 1 | AIIMS | | 13.26 | 5.04 | **18.3** |
| 2 | Trauma Center | | | 10.08 | **10.08** |
| 3 | Netaji Nagar | | | 15.12 | **15.12** |
| 4 | Sanjay Camp | | | 10.08 | **10.08** |
| 5 | Kidwai Nagar | | | 5.04 | **5.04** |
| 6 | SJ Airport | | | 5.04 | **5.04** |
| | Race Course | | | 5.04 | **5.04** |
| | | **0** | **13.26** | **55.44** | **68.7** |

| Sl. No | SUB-STATION | INSTALLED CAPACITY | | | |
|---|---|---|---|---|---|
| | | 66KV | 33kV | 11kV | **TOTAL** |
| **28** | **MUNDKA** | | | | |
| | Rohini-2 | | | 11.39 | **11.39** |
| | **LT BRPL** | | | | **18.5** |
| | | **0** | **0** | **11.39** | **29.89** |
| **29** | **DSIDC BAWANA** | | | | |
| | DSIDC NRL-1 | 20 | | | **20** |
| | DSIDC NRL-2 | | | 10.88 | **10.88** |
| | | **20** | **0** | **10.88** | **30.88** |
| **30** | **RIDGE VALLEY** | | | | |
| | Keventry Diary | | | 10.08 | **10.08** |
| | Nehru Park | | | 5.04 | **5.04** |
| | Bapu Dham | | | 10.08 | **10.08** |
| | | **0** | **0** | **25.2** | **25.2** |
| **31** | **IP EXTN (PRAGATI)** | | | | |
| | Vidyut Bhawan | | | 10.08 | **10.08** |
| | Dalhousie Road | | | 5.04 | **5.04** |
| | School Lane | | | 5.04 | **5.04** |
| | **LT NDMC** | | | | **12.29** |
| | | **0** | **0** | **20.16** | **32.45** |
| | | | | | |
| | **TOTAL CAPACITY** | **1067.9** | **491.4** | **2092.7** | **4139** |

| Utility | HT | LT | Total |
|---|---|---|---|
| **BYPL** | **864** | **102** | **966** |
| **TPDDL** | **657** | **119** | **776** |
| **NDMC** | **180** | **24** | **204** |
| **DTL** | **754** | **0** | **754** |
| **BRPL** | **1158** | **242** | **1400** |
| **RPH** | **20** | **0** | **20** |
| **MES** | **20** | **0** | **20** |
| **TOTAL** | **3652** | **487** | **4139** |

## 20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF DECEMBER 2013

| SL NO. | OCCURRENCE OF BREAK-DOWN | | DETAILS OF THE BREAKDOWN | TIME OF RESTORATION | | REMARKS |
|---|---|---|---|---|---|---|
| | DATE | TIME | | DATE | TIME | |
| 1 | 1.12.13 | 12:11 | PARKSTREET 220/66kV 100MVA Tx-II | 1.12.13 | 12:25 | TR. TRIPPED ON 95B, 86, E/F 51N |
| 2 | 1.12.13 | 16:05 | WAZIRABAD 220/66kV 100MVA Tx-III | 1.12.13 | 16:20 | TR TRIPPED ON E/F |
| 3 | 1.12.13 | 16:05 | 220kV WAZIRABAD-GEETA COLONY CKT-II | 1.12.13 | 21:42 | AT WAZIRABAD CKT. TRIPPED ON ZONE-I, B PHSE FAULT LOOP L-3-N, B PHASE LA DAMAGE AT GEETA COLONY CKT. TRIPPED ON ACTIVE GROUP-I, TRIP PHASE ABC, SHORT ELEMENT DISTANCE, OC, E/F, DIST PROT, ZONE-2 |
| 4 | 1.12.13 | 16:05 | 220KV WAZIRABAD - MANDOLA CKT-IV | 1.12.13 | 16:27 | AT WAZIRABAD NO TRIPPING AT MANDOLA CKT. TRIPPED ON DIST. PROT. ZONE-3, DIST. 22.16KM |
| 5 | 5.12.13 | 12:39 | 220kV NARELA - MANDOLA CKT-II | 5.12.13 | 17:12 | AT 220KV NARELA THE CKT. TRIPPED ON Z-I, B PHASE DIST. 5.723 KMS. AT MANDOLA : DIST. PROTECTION, B PHASE ZONE-2 |
| 6 | 9.12.13 | 09:45 | 220kV MAHARANI BAGH - SARITA VIHAR CKT | 9.12.13 | 10:08 | CKT. TRIPPED ON DIST. PROT. DISTANCE 1.3KM. NO TRIPPING AT SARITA VIHAR |
| 7 | 15.12.13 | 00:38 | LODHI RD 33/11kV, 16MVA Tx-Iv | 15.12.13 | 07:38 | TR. TRIPPED ON DIFFERENTIAL, 86, 11KV I/C-IV TRIPPED ON INTERTRIP |
| 8 | 17.12.13 | 03:17 | LODHI RD 220/33kV 100MVA Tx-II | 17.12.13 | 08:28 | TX TRIPPED ON AUTO RE-CLOSE LOCKOUT, 186 A&B. |
| 9 | 17.12.13 | 05:45 | OKHLA 66/11kV, 20MVA Tx-I | 17.12.13 | 06:10 | 11KV I/C-1 TRIPPED ON R&B-PH O/C. |
| 10 | 17.12.13 | 07:40 | 220kV GAZIPUR - BTPS CKT | 17.12.13 | 08:34 | AT GAZIPUR CKT TRIPPED ON D/P,Z-C. AT BTPS CKT TRIPPED ON B-PH,E/F, DIST-15.04KM. |
| 11 | 17.12.13 | 08:45 | 220kV GAZIPUR - BTPS CKT | 17.12.13 | 11:55 | AT GAZIPUR CKT TRIPPED ON POLE DISCREPENCY. NO TRIPPING AT BTPS. |
| 12 | 17.12.13 | 09:08 | LODHI RD 220/33kV 100MVA Tx-II | 17.12.13 | 14:35 | TX TRIPPED ON LBB PROTECTION AUTO RE-CLOSE LOCKOUT, 186 A&B. 33KV I/C-2 TRIPPED ON O/C. |
| 13 | 17.12.13 | 23:10 | NAJAFGARH 66/11kV, 20MVA Tx-III | 18.12.13 | 15:05 | TX TIPPED ON OLTC BUCHHOLZ,95, 86. |
| 14 | 18.12.13 | 01:55 | INDRAPRASTHA POWER 33kV EXHIBITION GR-I CKT (BAY-7) | 18.12.13 | 18:30 | CKT. TRIPPED WITHOUT INDICATION. PTW TAKEN BY DTL MTC. STAFF |
| 15 | 18.12.13 | 01:55 | INDRAPRASTHA POWER 33kV DELHI GATE CKT (BAY-17) | 19.12.13 | 17:10 | CKT. TRIPPED WITHOUT INDICATION PTW TAKEN BY DTL MTC. STAFF |
| 16 | 18.12.13 | 07:37 | 220kV KANJHAWALA-NAJAFGARH CKT | 18.12.13 | 07:40 | AT NAJAFGARH CKT. TRIPPED ON DIST. PROT. ZONE 1, B-N PHASE AT KHANJAWALA 220KV BUS COUPLER TRIPPED ON E/F |
| 17 | 19.12.13 | 17:18 | 220 KV I.P.- RPH CKT-I | 19.12.13 | 20:00 | AT I.P. CKT. TRIPPED ON DIST. ZONE -1, 87, 190CC, 186X, 86ABC, 186A&B AUTO RECLOSE AT RPH CKT. TRIPPED ON 186A&B, 186X ABC CKT. CHARGED FROM RPH END. |
| 18 | 21.12.13 | 16:37 | 220kV GOPALPUR- MANDOLACKT-I | 21.12.13 | 17:37 | OPERATION OF SPS RELAY AT MANDOLA |
| 19 | 21.12.13 | 16:37 | 220kV NARELA - MANDOLA CKT-I | 21.12.13 | 17:37 | OPERATION OF SPS RELAY AT MANDOLA |
| 20 | 21.12.13 | 16:37 | 220kV NARELA - MANDOLA CKT-II | 21.12.13 | 17:37 | OPERATION OF SPS RELAY AT MANDOLA |
| 21 | 21.12.13 | 16:37 | 220kV GOPALPUR- MANDOLACKT-II | 21.12.13 | 17:37 | OPERATION OF SPS RELAY AT MANDOLA |
| 22 | 22.12.13 | 15:20 | PATPARGANJ 66kV VIVEK VIHAR CKT-II | 22.12.13 | 18:50 | CKT. TRIPPED ON 86, 86, DIST. PROT. DISTANCE 800MTS. CKT. BACK CHARGED BUT HOT POINT APPEARED ON BUS COUPLER TO BE ATTEND |
| 23 | 23.12.13 | 15:40 | BAMNAULI 400/220kV 315MVA ICT-II | 23.12.13 | 16:14 | ICT TRTIPPED ON INTER TRIPPING AFTER BREAKER LOCKOUT APPEARS ON 220KV SIDE |
| 24 | 24.12.13 | 11:50 | GOPALPUR 33kV 10MVAR CAP. BANK-II | 24.12.13 | 13:20 | CAPACITOR BANK -II TRIPPED ON E/F |
| 25 | 25.12.13 | 12:30 | 220kV ROHINI-SHALIMARBAGH CKT-I | 25.12.13 | 12:37 | CKT. TRIPPED ON O/C , 67AX, 186 A&B, BIRDAGE REPORTED, CKT. TRIED HELD OK. |
| 26 | 27.12.13 | 15:27 | 220kV BAMNAULI-NARAINA CKT-I | 28.12.13 | 18:30 | AT BAMNAULI CKT. TRIPPED ON 186A&B, ZONE-1, A&B AT NARAINA NO TRIPPING ONLY SUPPLY FAIL |
| 27 | 27.12.13 | 16:06 | PRAGATI 220/66kV 160MVA Tx-I | 29.12.13 | 20:21 | TR. TRIPPED ON 87 DIFFERENTIAL, 86 86 |
| 28 | 28.12.13 | 09:35 | 220kV MAHARANIBAGH-MASJID MOTH CKT-II | 29.12.13 | 12:02 | CKT. TRIPPED ON O/C |
| 29 | 28.12.13 | 10:48 | GOPALPUR 33kV 10MVAR CAP. BANK-II | 28.12.13 | 12:25 | CAPACITOR BANK -II TRIPPED ON INSTANTANIOUS E/F RELAY |
| 30 | 28.12.13 | 11:05 | INDRAPRASTHA POWER 220/33kV 100MVA Tx-I | 30.12.13 | 14:35 | TR. TRIPPED ON DIFFERENTIAL RELAY ALONGWITH 33KV I/C-I TRIPPED ON 51CX, E/F |
| 31 | 28.12.13 | 23:02 | MEHRAULI 220/66kV 160MVA Tx | 28.12.13 | 23:46 | TR. TRIPPED ON O/C & E/F ALONGWITH 66KV I/C-I |
| 32 | 29.12.13 | 08:36 | PAPPANKALAN-I 66/11kV, 20MVA Tx-I | 29.12.13 | 08:46 | TR. TRIPPED ON OLTC BUCHOLZ |
| 33 | 29.12.13 | 10:22 | 220kV MAHARANIBAGH-MASJID MOTH CKT-I | 29.12.13 | 17:55 | SMOKE OBSERVED ON BREAKER OF CKT. AT MASJID MOTH & MADE OFF |
| 34 | 29.12.13 | 12:05 | 220kV MEHRAULI - VASANT KUNJ CKT.-I | 29.12.13 | 12:42 | CKT. TRIPPED ON DIST. PROT. ZONE A AUTO RECLOSE 186A, 186B |
| 35 | 29.12.13 | 12:42 | 220kV MEHRAULI - VASANT KUNJ CKT.-I | 29.12.13 | 13:40 | CKT. TRIPPED WITH JERK AT MEHRAULI |
| 36 | 30.12.13 | 21:40 | PARKSTREET 66/33kV, 30MVA Tx-I | 30.12.13 | 22:12 | TR. TRIPPED ON 86, DIFFERENTIAL |
| 37 | 30.12.13 | 21:57 | 220kV MEHRAULI - VASANT KUNJ CKT.-II | 30.12.13 | 22:14 | AT MEHRAULI CKT. TRIPED ON 186 A&B, 295CC, 295CB AT VASANT KUNJ NO TRIPPING |
| 38 | 30.12.13 | 22:40 | PARKSTREET 66/33kV, 30MVA Tx-I | 31.12.13 | 10:57 | TR. TRIPPED ON 86 DIFFERENTIAL |

## 20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF DECEMBER 2013

| DATE | S. N. | TIME | | Name of Grid | NAME OF AFFECTED FEEDERS | MODE | LOAD RELIEF IN MW |
|---|---|---|---|---|---|---|---|
| | | OUT | IN | | | | |
| 02.12.13 | 1 | 9:50 | 09:55 | SUBZI MANDI 220kV | 11KV LOAD | DF/DT MODE | 1 |
| 02.12.13 | 2 | 10:20 | 10:34 | NARAINA 220kV | 11KV LOAD | DF/DT MODE | 1 |
| | | | | | | | |
| 11.12.13 | 3 | 17:46 | 17:50 | PATPARGANJ 220kV | GURU ANGAD NAGAR | DF/DT MODE | 6 |
| | | | | | | | |
| 13.12.13 | 4 | 8:42 | 08:45 | PATPARGANJ 220kV | GURU ANGAD NAGAR | DF/DT MODE | 8 |
| | | | | | 11KV LOAD | | |
| | | | | | | | |
| 18.12.13 | 5 | 7:03 | 07:05 | SUBZI MANDI 220kV | 11KV LOAD | FLAT MODE | 1 |