

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 12.11.2011
Date of Reporting : 13.11.2011

I. Regional Availability/Demand:

| Demand Met | Evening Peak (19:00 Hrs) MW | | | Demand Met | Off Peak (03:00 Hrs) MW | | | Day Energy (Net MU) | |
|------------|-----------------------------|-------------|------------|------------|-------------------------|-------------|------------|---------------------|----------|
| | Shortage | Requirement | Freq* (Hz) | | Shortage | Requirement | Freq* (Hz) | Demand Met | Shortage |
| 28309 | 2865 | 31174 | 0.00 | 24530 | 2024 | 26554 | 0.00 | 642.6 | 64.74 |

* Half hourly (two 15 minutes block--one block each before and after the designated time) average frequency

II. A. State's Load Energy Details (At States periphery) in MUs:

| State | State's Control Area Generation (Net MU) | | | | Drawal Schedule (Net MU) | Actual Drawal (Net MU) | UI (Net MU) | Consumption (Net MU) | Shortages * (MU) |
|--------------|--|--------------|------------------|---------------|-----------------------------|---------------------------|----------------|-------------------------|---------------------|
| | Thermal | Hydro | Renewable/others | Total | | | | | |
| Punjab | 49.57 | 11.95 | | 61.53 | 24.36 | 23.04 | -1.32 | 84.56 | 2.78 |
| Haryana | 50.86 | 0.83 | | 51.70 | 25.97 | 31.50 | 5.53 | 83.19 | 8.87 |
| Rajasthan | 81.59 | 5.40 | 1.31 | 88.30 | 44.71 | 54.92 | 10.21 | 143.22 | 24.88 |
| Delhi | 27.31 | | | 27.31 | 41.37 | 32.35 | -9.01 | 59.66 | 0.11 |
| UP | 96.94 | 8.03 | 1.20 | 106.17 | 86.70 | 80.25 | -6.45 | 186.42 | 26.61 |
| Uttarakhand | | 10.18 | | 10.18 | 17.09 | 17.85 | 0.76 | 28.03 | 0.00 |
| HP | | 7.09 | | 7.09 | 15.03 | 15.07 | 0.04 | 22.16 | 0.00 |
| J & K | | 6.42 | 0.00 | 6.42 | 20.94 | 25.73 | 4.79 | 32.14 | 1.50 |
| Chandigarh | | | | 0.00 | 3.53 | 3.18 | -0.35 | 3.18 | 0.00 |
| Total | 306.28 | 49.91 | 2.51 | 358.69 | 279.68 | 283.88 | 4.20 | 642.57 | 64.74 |

* Shortage furnished by the respective constituent.

II. B. State's Demand Met in MWs:

| State | Evening Peak (19:00 Hrs) MW | | | | Off Peak (03:00 Hrs) MW | | | | Day Energy MU |
|--------------|-----------------------------|-------------|-------------|---------------------|-------------------------|-------------|------------|---------------------|---------------|
| | Demand Met | Shortage | UI | STOA/PX transaction | Demand Met | Shortage | UI | STOA/PX transaction | |
| Punjab | 3634 | 150 | -343 | -564 | 2989 | 0 | -164 | -737 | -12.71 |
| Haryana | 3630 | 1135 | 337 | -87 | 2953 | 0 | -87 | -104 | -2.49 |
| Rajasthan | 6295 | 610 | 724 | 95 | 5953 | 991 | 511 | 220 | 6.74 |
| Delhi | 2970 | 0 | -258 | -275 | 1595 | 0 | -634 | -482 | -8.11 |
| UP | 7467 | 970 | -970 | 391 | 7955 | 1033 | 195 | 391 | 9.39 |
| Uttarakhand | 1442 | 0 | -20 | 316 | 1003 | 0 | -2 | 316 | 7.58 |
| HP | 1145 | 0 | -97 | -305 | 724 | 0 | 64 | -47 | -3.53 |
| J&K | 1548 | 0 | 47 | 54 | 1270 | 0 | 296 | 133 | 2.36 |
| Chandigarh | 178 | 0 | -30 | 0 | 88 | 0 | -6 | -30 | -0.24 |
| Total | 28309 | 2865 | -610 | -375 | 24530 | 2024 | 173 | -340 | -1.01 |

* STOA figures are at sellers boundary & PX figures are at regional boundary.

III. Regional Entities :

| A. NTPC | Station/ Constituent | Inst. Capacity (Effective) MW | Declared Capacity(MW) | Peak MW (Gross) | Off Peak MW (Gross) | Energy (Net MU) | Average Sentout(MW) | Schedule Net MU | UI Net MU |
|---|-------------------------|----------------------------------|--------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|--------------|
| | | | | | | | | | |
| | Singrauli STPS | 2000 | 1710 | 1844 | 1845 | 41.19 | 1716 | 41.04 | 0.15 |
| | Rihand I STPS | 1000 | 770 | 999 | 820 | 18.68 | 778 | 18.48 | 0.20 |
| | Rihand II STPS | 1000 | 975 | 1033 | 1032 | 23.59 | 983 | 23.40 | 0.19 |
| | Dadri I STPS | 840 | 769 | 808 | 838 | 18.58 | 774 | 18.46 | 0.12 |
| | Dadri II STPS | 980 | 879 | 1007 | 972 | 21.00 | 875 | 21.11 | -0.10 |
| | Unchahar I TPS | 440 | 365 | 438 | 397 | 8.82 | 367 | 8.77 | 0.05 |
| | Unchahar II TPS | 440 | 367 | 440 | 395 | 8.88 | 370 | 8.82 | 0.06 |
| | Unchahar III TPS | 210 | 184 | 220 | 198 | 4.50 | 187 | 4.41 | 0.09 |
| | ISTPP (Jhajihar) | 500 | 400 | 486 | 310 | 9.32 | 388 | 9.49 | -0.17 |
| | Dadri GPS | 830 | 613 | 540 | 546 | 13.09 | 545 | 13.10 | -0.01 |
| | Anta GPS | 419 | 399 | 339 | 331 | 8.55 | 356 | 8.16 | 0.39 |
| | Auraiya GPS | 663 | 621 | 469 | 475 | 10.86 | 452 | 11.22 | -0.36 |
| | Sub Total (A) | 9322 | 8053 | 8623 | 8159 | 187.06 | 7794 | 186.45 | 0.61 |
| B. NPC | NAPS | 440 | 199 | 232 | 235 | 4.76 | 198 | 4.78 | -0.03 |
| | RAPS- B | 440 | 408 | 450 | 454 | 9.78 | 407 | 9.79 | -0.01 |
| | RAPS- C | 440 | 420 | 472 | 478 | 10.23 | 426 | 10.08 | 0.15 |
| | Sub Total (B) | 1320 | 1027 | 1154 | 1167 | 24.76 | 1032 | 24.65 | 0.11 |
| C. NHPC | Chamera I HPS | 540 | 534 | 0 | 0 | 1.98 | 82 | 2.00 | -0.02 |
| | Chamera II HPS | 300 | 297 | 141 | 0 | 2.02 | 84 | 2.00 | 0.02 |
| | Bairasuil HPS | 180 | 179 | 70 | 0 | 0.72 | 30 | 0.70 | 0.02 |
| | Salal-HPS | 690 | 140 | 226 | 207 | 3.53 | 147 | 3.35 | 0.18 |
| | Tanakpur-HPS | 94 | 48 | 51 | 50 | 1.23 | 51 | 1.18 | 0.05 |
| | Uri-HPS | 480 | 167 | 240 | 240 | 4.57 | 191 | 4.06 | 0.52 |
| | Dhauliganga-HPS | 280 | 277 | 275 | 0 | 1.70 | 71 | 1.66 | 0.04 |
| | Dulhasti-HPS | 390 | 388 | 337 | 0 | 4.94 | 206 | 4.96 | -0.02 |
| | Sewa-II HPS | 120 | 119 | 79 | 0 | 0.32 | 13 | 0.29 | 0.03 |
| | Sub Total (C) | 3074 | 2149 | 1419 | 497 | 21.00 | 875 | 20.19 | 0.81 |
| D. NJPC | Nathpa Jhakri | 1500 | 1600 | 1591 | 0 | 11.27 | 470 | 10.98 | 0.29 |
| | Sub Total (D) | 1500 | 1600 | 1591 | 0 | 11.27 | 470 | 10.98 | 0.29 |
| E. THDC | Tehri HPS | 1000 | 693 | 1037 | 0 | 3.26 | 136 | 3.25 | 0.01 |
| | Koteshwar HPS | 100 | 67 | 0 | 82 | 1.61 | 67 | 1.60 | 0.01 |
| | Sub Total (E) | 1100 | 761 | 1037 | 82 | 4.87 | 203 | 4.85 | 0.02 |
| F. BBMB | Bhakra HPS | 1480 | 612 | 994 | 415 | 15.07 | 628 | 14.70 | 0.37 |
| | Dehar HPS | 990 | 202 | 495 | 155 | 4.78 | 199 | 4.84 | -0.06 |
| | Pong HPS | 396 | 221 | 300 | 180 | 5.45 | 227 | 5.30 | 0.15 |
| | Sub Total (F) | 2866 | 1035 | 1789 | 750 | 25.30 | 1054 | 24.84 | 0.46 |
| G. IPP(s)/JV(s) | ADHPL HPS(IPP) | 192 | 0 | 0 | 0 | 0.51 | 21 | 0.56 | -0.04 |
| | KWHEP HPS(IPP) | 1000 | 0 | 360 | 174 | 6.40 | 267 | 6.37 | 0.03 |
| | Malana Stg-II HPS | 100 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0.00 |
| | Shree Cement TPS | 150 | 0 | 119 | 127 | 2.94 | 123 | 2.47 | 0.47 |
| | Sub Total (G) | 1442 | 0 | 479 | 301 | 9.85 | 410 | 9.39 | 0.46 |
| H. Total Regional Entities (A-G) | | 20625 | 14625 | 16092 | 10956 | 284.11 | 11838 | 281.34 | 2.77 |

| I. State Entities | Station | Effective Installed Capacity (MW) | Peak MW | Off Peak MW | Energy(MU) | Average(Sent out MW) |
|---|---------------------------------|-----------------------------------|--------------|--------------|---------------|----------------------|
| Punjab | Guru Gobind Singh TPS (Ropar) | 1260 | 1050.00 | 1050.00 | 23.59 | 983 |
| | Guru Nanak Dev TPS(Bhatinda) | 440 | 215.00 | 215.00 | 4.62 | 193 |
| | Guru Hargobind Singh TPS(L.mbt) | 920 | 960.00 | 966.00 | 21.37 | 890 |
| | Thermal (Total) | 2620 | 2225.00 | 2231.00 | 49.57 | 2066 |
| | Total Hydro | 1148 | 276.00 | 268.00 | 11.95 | 498 |
| Total Punjab | 3768 | 2501 | 2499 | 61.53 | 2564 | |
| Haryana | Panipat TPS | 1360 | 822.00 | 1075.00 | 22.68 | 945 |
| | DCRTPP (Yamuna nagar) | 600 | 278.00 | 280.00 | 6.63 | 276 |
| | Faridabad GPS (NTPC) | 432 | 408.00 | 325.00 | 9.42 | 393 |
| | RGTPP (khedar) (IPP) | 1200 | 330.00 | 476.00 | 12.13 | 505 |
| | Magnum Diesel (IPP) | 25 | 0.00 | 0.00 | 0.00 | 0 |
| | Thermal (Total) | 3617 | 1838.00 | 2156.00 | 50.86 | 2119 |
| | Total Hydro | 62 | 34.00 | 32.00 | 0.83 | 35 |
| | Total Haryana | 3679 | 1872 | 2188 | 51.70 | 2154 |
| Rajasthan | kota TPS | 1240 | 982.00 | 1174.00 | 25.62 | 1067 |
| | suratgarh TPS | 1500 | 1154.00 | 1143.00 | 26.38 | 1099 |
| | Chabra TPS | 500 | 429.00 | 395.00 | 9.84 | 410 |
| | Dholpur GPS | 330 | 277.00 | 275.00 | 6.82 | 284 |
| | Ramgarh GPS | 113 | 65.00 | 65.00 | 1.64 | 68 |
| | RAPS A (NPC) | 300 | 173.00 | 177.00 | 4.35 | 181 |
| | Barsingsar (NLC) | 250 | 52.00 | 67.00 | 1.33 | 55 |
| | Giral LTPS (IPP) | 250 | 0.00 | 0.00 | 0.00 | 0 |
| | Rajwest LTPS (IPP) | 135 | 224.00 | 240.00 | 5.62 | 234 |
| | VSLP LTPS (IPP) | 135 | 0.00 | 0.00 | 0.00 | 0 |
| | Thermal (Total) | 4753 | 3356.00 | 3536.00 | 81.59 | 3400 |
| | Total Hydro | 550 | 182.00 | 181.00 | 5.40 | 225 |
| | Wind power | 1294 | 1.00 | 1.00 | 0.31 | 13 |
| | Biomass | 71 | 46.00 | 46.00 | 1.00 | 42 |
| | Renewable/Others (Total) | 1365 | 47 | 47 | 1.31 | 55 |
| | Total Rajasthan | 6668 | 3585 | 3764 | 88.30 | 3679 |
| | UP | Anpara TPS | 1630 | 1490 | 1525 | 32.40 |
| Obra TPS | | 1442 | 537 | 544 | 11.70 | 488 |
| Paricha TPS | | 640 | 380 | 379 | 8.30 | 346 |
| Panki TPS | | 210 | 167 | 190 | 3.90 | 163 |
| Harduaganj TPS | | 375 | 46 | 236 | 4.80 | 200 |
| Tanda TPS (NTPC) | | 440 | 399 | 408 | 9.81 | 409 |
| Roza TPS (IPP) | | 600 | 567 | 567 | 13.60 | 567 |
| Anpara-C (IPP) | | 600 | 621 | 234 | 10.48 | 436 |
| Thermal (Total) | | 5937 | 4295 | 4163 | 96.94 | 4039 |
| Vishnuparyag HPS (IPP) | | 400 | 149 | 144 | 3.52 | 147 |
| Other Hydro | | 527 | 107 | 46 | 4.52 | 188 |
| Cogeneration | | 951 | 50 | 50 | 1.20 | 50 |
| Total UP | | 7815 | 4601 | 4403 | 106.17 | 4277 |
| Uttarakhand | | Total Hydro | 1303 | 576 | 338 | 10.18 |
| | Total Uttarakhand | 1303 | 576 | 338 | 10.18 | 424 |
| Delhi | Rajghat TPS | 135 | 97 | 101 | 2.65 | 110 |
| | Delhi Gas Turbine | 282 | 180 | 154 | 3.85 | 160 |
| | Pragati Gas Turbine | 330 | 301 | 307 | 7.49 | 312 |
| | Rithala GPS | 108 | 22 | 29 | 0.57 | 24 |
| | Bawana GPS | 440 | 160 | 28 | 2.58 | 108 |
| | Badarpur TPS (NTPC) | 705 | 485 | 465 | 10.18 | 424 |
| | Thermal (Total) | 2000 | 1245 | 1166 | 27.31 | 1138 |
| | Total Delhi | 2000 | 1245 | 1166 | 27.31 | 1138 |
| HP | Baspa HPS (IPP) | 330 | 28 | 57 | 1.81 | 75 |
| | Malana HPS (IPP) | 101 | 2 | 0 | 0.37 | 16 |
| | Other Hydro | 571 | 275 | 169 | 4.91 | 205 |
| | Total HP | 1002 | 305 | 226 | 7 | 296 |
| J & K | Baglihar HPS (IPP) | 450 | 238 | 146 | 4.69 | 195 |
| | Other Hydro | 323 | 54 | 100 | 1.73 | 72 |
| | Gas/Diesel/Others | 183 | 0 | 0 | 0.00 | 0 |
| | Total J & K | 956 | 292 | 246 | 6.42 | 267 |
| Total State Control Area Generation | | 27191 | 14977 | 14830 | 358.69 | 14799 |
| J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)] | | | 24 | -130 | 14.14 | 589 |
| Total Regional Availability(Gross) | | 47816 | 31093 | 25656 | 656.94 | 27226 |

IV. Total Hydro Generation:

| | | | | | |
|-----------------------------|--------------|-------------|-------------|---------------|-------------|
| Regional Entities Hydro | 9983 | 6315 | 1630 | 72.29 | 3012 |
| State Control Area Hydro | 5365 | 1772 | 1337 | 46.39 | 1933 |
| Total Regional Hydro | 15347 | 8087 | 2967 | 118.68 | 4945 |

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

| Element | Peak(19:00 Hrs) | Off Peak(03:00 Hrs) | Maximum Interchange (MW) | | Energy (MU) | | Net Energy MU |
|----------------------|-----------------|---------------------|--------------------------|--------|--------------|--------------|---------------|
| | MW | MW | Import | Export | Import | Export | |
| Vindhychal B/B | -400 | -300 | 0 | 500 | 0.00 | 8.45 | -8.45 |
| Gwalior-Agra (D/C) | -137 | -230 | 683 | 230 | 2.47 | 0.00 | 2.47 |
| Zerda-Kankroli | -258 | -290 | 0 | 363 | 0.00 | 5.79 | -5.79 |
| Zerda-Bhinmal | -102 | -117 | 90 | 246 | 0.00 | 2.43 | -2.43 |
| Malanpur-Auraiya | -236 | -260 | 0 | 276 | 0.00 | 4.86 | -4.86 |
| Badod-Kota/Morak | -78 | -211 | 0 | 226 | 0.00 | 3.38 | -3.38 |
| Sub Total WR | -1211 | -1408 | | | 2.47 | 24.91 | -22.44 |
| Pusauli Bypass | 64 | 56 | 420 | 0 | 4.44 | 0.00 | 4.44 |
| MZP- GKP (D/C) | 544 | 478 | 786 | 0 | 11.59 | 0.00 | 11.59 |
| Patna-Balia(D/C) | 396 | 431 | 594 | 0 | 11.34 | 0.00 | 11.34 |
| B'Sharif-Balia (D/C) | 170 | 268 | 435 | 0 | 7.16 | 0.00 | 7.16 |
| Barh - balia(D/C) | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Pusauli-Sahupuri | 97 | 87 | 141 | 0 | 2.45 | 0.00 | 2.45 |
| K'nasa-Sahupuri | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Son Ngr-Rihand | -36 | -42 | 0 | 48 | 0.00 | 0.40 | -0.40 |
| Garhwa-Rihand | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Sub Total ER | 1235 | 1278 | | | 36.98 | 0.40 | 36.58 |
| Total IR Exch | 24 | -130 | | | 39.45 | 25.31 | 14.14 |

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

| ER | ISGS/LT Schedule (MU) | | Bilateral Schedule (MU) | | Power Exchange Shdl (MU) | | Wheeling (MU) | |
|-------|-----------------------|-------|-------------------------|------------|--------------------------|------------|---------------|------------|
| | Bhutan | Total | Through ER | Through WR | Through ER | Through WR | Through ER | Through WR |
| 21.51 | 1.07 | 22.57 | 3.65 | -3.12 | -2.05 | -2.99 | 0.00 | 0.00 |

| Total IR Schedule (MU) | | | Total IR Actual (MU) | | | Net IR UI (MU) | | |
|------------------------|------------|-------|----------------------|------------|-------|----------------|------------|-------|
| Through ER | Through WR | Total | Through ER | Through WR | Total | Through ER | Through WR | Total |
| 24.17 | -11.03 | 13.15 | 36.58 | -22.44 | 14.14 | 12.40 | -11.41 | 1.00 |

VI. Frequency Profile

| ----- % of Time Frequency -----> | | | | | | | |
|----------------------------------|-------|--------|--------|-------|-------------|-------------|---------|
| <48.80 | <49.0 | <49.20 | <49.50 | <49.7 | 49.5 - 50.2 | 49.7 - 50.2 | > 50.00 |
| 0.00 | 0.00 | 0.10 | 13.00 | 56.50 | 87.00 | 43.50 | 2.40 |

| <----- Frequency (Hz) -----> | | | | Average Frequency Hz | Frequency Variation Index | Std. Dev. | Frequency in 15 Min Block | |
|------------------------------|------|---------|-------|----------------------|---------------------------|-----------|---------------------------|----------|
| Maximum | | Minimum | | | | | MAX (Hz) | MIN (Hz) |
| Freq | Time | Freq | Time | Hz | | | | |
| 50.19 | 7.03 | 49.18 | 17.41 | 49.68 | 1.28 | 0.16 | 0.00 | 0.00 |

VII. Voltage profile

| Station | Voltage Level (kV) | Maximum | | Minimum | | Voltage (in % of Time) | | | |
|------------|--------------------|-------------|-------|--------------|-------|------------------------|---------|---------|---------|
| | | Voltage(KV) | Time | Voltage (KV) | Time | <380 kV | <390 kV | >420 kV | >430 kV |
| Rihand | 400 | 409 | 04:43 | 405 | 00:12 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gorakhpur | 400 | 428 | 20:53 | 414 | 00:25 | 0.0 | 0.0 | 67.3 | 0.0 |
| Bareilly | 400 | 422 | 20:54 | 402 | 10:33 | 0.0 | 0.0 | 1.7 | 0.0 |
| Kanpur | 400 | 420 | 03:03 | 403 | 10:33 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dadri | 400 | 420 | 03:03 | 400 | 10:31 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ballabgarh | 400 | 424 | 03:03 | 401 | 10:29 | 0.0 | 0.0 | 5.6 | 0.0 |
| Bawana | 400 | 422 | 03:03 | 402 | 09:33 | 0.0 | 0.0 | 4.0 | 0.0 |
| Bassi | 400 | 427 | 03:03 | 396 | 18:54 | 0.0 | 0.0 | 6.1 | 0.0 |
| Hissar | 400 | 415 | 02:58 | 396 | 10:33 | 0.0 | 0.0 | 0.0 | 0.0 |
| Moga | 400 | 423 | 03:03 | 404 | 09:32 | 0.0 | 0.0 | 4.0 | 0.0 |
| Abdullapur | 400 | 424 | 02:58 | 402 | 11:12 | 0.0 | 0.0 | 7.2 | 0.0 |
| Nalagarh | 400 | 428 | 22:37 | 408 | 11:12 | 0.0 | 0.0 | 37.7 | 0.0 |
| Kishenpur | 400 | 415 | 04:22 | 394 | 10:33 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wagoora | 400 | 401 | 03:03 | 367 | 19:10 | 45.7 | 76.1 | 0.0 | 0.0 |

VIII. Reservoir Parameters:

| Name of Reservoir | Parameters | | Present Parameters | | Last Year | | Last day | |
|-------------------|------------|----------|--------------------|-------------|-----------|-------------|---------------|--------------|
| | FRL (m) | MDDL (m) | Level (m) | Energy (MU) | Level (m) | Energy (MU) | Inflow (m³/s) | Usage (m³/s) |
| Bhakra | 513.59 | 445.62 | 509.22 | 1515.08 | 510.98 | 1590.18 | 250.01 | 382.28 |
| Pong | 426.72 | 384.05 | 419.57 | 875.55 | 422.04 | 990.81 | 51.23 | 332.26 |
| Tehri | 829.79 | 740.04 | 817.20 | 942.25 | NA | NA | 83.11 | 81.00 |
| Koteshwar | 612.50 | 598.50 | 601.80 | 1.15 | NA | NA | 91.00 | 132.00 |
| Chamera-I | 760.00 | 748.75 | 754.60 | NA | NA | NA | 70.22 | 56.12 |
| Rihand | 268.22 | 252.98 | 264.93 | 609.00 | 257.80 | 192.40 | NA | NA |
| RPS | 352.80 | 343.81 | 353.49 | NA | NA | NA | NA | 89.33 |
| Jawahar Sagar | 298.70 | 295.78 | 297.76 | NA | NA | NA | NA | 88.43 |
| RSD | 527.91 | 487.91 | 520.17 | NA | 520.54 | NA | 100.47 | 182.87 |

IX. System Constraints:

X. Grid Disturbance / Any Other Significant Event:

XI. Weather Conditions For 12.11.2011 :
Normal weather

XII. Synchronisation of new generating units :

XIII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

XIV. Tripping of lines in pooling stations :

XV. Complete generation loss in a generating station :

Report for : 12.11.2011

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER