

**National Load Despatch Centre
Total Transfer Capability for March 2014**

Issue Date: 24/03/2014

Issue Time: 1200 hrs

Revision No. 19

| Corridor | Date | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) # | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments |
|------------------------------------|-------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NR-WR * | 1st March 2014 to 31st March 2014 | 00-24 | 2500 | 500 | 2000 | 361 | 1639 | | |
| WR-NR ¹ | 1st March 2014 to 4th March 2014 | 00-17 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 17-23 | 4200 | | 3700 | | 44 | | |
| | 5th March 2014 | 00-08 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 17-23 | 3100 | | 2600 | | 0 | | |
| | 6th March 2014 to 12th March 2014 | 00-17 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 17-23 | 4200 | | 3700 | | 44 | | |
| | 13th March 2014 | 00-07 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 07-24 | 3950 | | 3450 | | 0 | | |
| | 14th March 2014 to 23rd March 2014 | 00-17 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 17-23 | 4200 | | 3700 | | 44 | | |
| | 24th March 2014 to 25th March 2014 | 00-06 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 06-24 | 4200 | | 3700 | | 44 | | |
| | 26th March 2014 to 28th March 2014 | 00-06 | 4200 | 500 | 3700 | 3656 | 44 | | |
| | | 06-24 | 3100 | | 2600 | | 0 | | |
| 29th March 2014 to 31st March 2014 | 00-17 | 4200 | 500 | 3700 | 3656 | 44 | | | |
| | 17-23 | 4200 | | 3700 | | 44 | | | |
| | | | | | | | | | |
| NR-ER* | 1st March 2014 to 31st March 2014 | 00-17 | 1000 | 200 | 800 | 200 | 600 | | |
| | | 23-24 | 1100 | | 900 | | 700 | | |
| ER-NR ³ | 1st March 2014 to 5th March 2014 | 00-17 | 3600 | 300 | 3300 | 2789 | 511 | | |
| | | 17-23 | 3100 | | 2800 | | 11 | | |
| | 6th March 2014 | 00-08 | 3600 | 300 | 3300 | 2789 | 511 | | |
| | | 23-24 | 3100 | | 2800 | | 11 | | |
| | | 17-23 | 3200 | | 2900 | | 111 | | |
| | 7th March 2014 | 00-08 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 18-24 | 3200 | | 2900 | | 111 | | |
| | 8th March 2014 to 9th March 2014 | 00-17 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 23-24 | 3800 | | 3500 | | 711 | | |
| | 10th March 2014 | 00-10 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 13-24 | 2600 | | 2300 | | 0 | | |
| | 11th March 2014 and 12th March 2014 | 00-17 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 23-24 | 3800 | | 3500 | | 711 | | |
| | 13th March 2014 | 00-07 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 07-24 | 3800 | | 3500 | | 711 | | |
| | 14th March 2014 | 00-24 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | 15th March 2014 | 00-07 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 07-24 | 3800 | | 3500 | | 711 | | |
| | 16th March 2014 to 19th March 2014 | 00-17 | 3800 | 300 | 3500 | 2789 | 711 | | |
| | | 23-24 | 3800 | | 3500 | | 711 | | |
| 20th March 2014 | 00-07 | 3800 | 300 | 3500 | 2789 | 711 | | | |
| | 07-24 | 3200 | | 2900 | | 111 | | | |
| 21st March 2014 | 00-24 | 3200 | 300 | 2900 | 2789 | 111 | | | |
| 22nd March 2014 | 00-07 | 3200 | 300 | 2900 | 2789 | 111 | | | |
| | 07-24 | 2200 | | 1900 | | 0 | | | |
| 23rd March 2014 | 00-24 | 2200 | 300 | 1900 | 2789 | 0 | | | |
| 24th March 2014 to 31st March 2014 | 00-17 | 3800 | 300 | 3500 | 2789 | 711 | | | |
| | 23-24 | 3800 | | 3500 | | 711 | | | |
| | | | | | | | | | |
| W3-ER | 1st March 2014 | 00-09 | 1800 | 300 | 1500 | 0 | 1500 | | |
| | | 17-24 | 1500 | | 1200 | | 1200 | | |
| | 2nd March 2014 to 8th March 2014 | 00-24 | 1800 | 300 | 1500 | 0 | 1500 | | |
| | | 00-09 | 1800 | | 1500 | | 1500 | | |
| | 9th March 2014 to 11th March 2014 | 18-24 | 1500 | 300 | 1200 | 0 | 1200 | | |
| 09-18 | | 1500 | 1200 | | 1200 | | | | |
| 12th March 2014 | 00-07 | 1800 | 300 | 1500 | 0 | 1500 | | | |
| | 19-24 | 1300 | | 1000 | | 1000 | | | |

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|------------------------------------|------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|---|
| W3-ER | 13th March 2014 | 00-24 | 1800 | 300 | 1500 | 0 | 1500 | | |
| | 14th March 2014 | 00-14 | 1800 | 300 | 1500 | 0 | 1500 | | |
| | | 14-18 | 1300 | | 1000 | | 1000 | | |
| | 15th March 2014 to 19th March 2014 | 00-24 | 1800 | 300 | 1500 | 0 | 1500 | | |
| | 20th March 2014 to 25th March 2014 | 00-07 | 1800 | 300 | 1500 | 0 | 1500 | | |
| | | 07-18' | 1500 | 300 | 1200 | 0 | 1200 | | |
| 26th March 2014 to 31st March 2014 | 00-24 | 1800 | 300 | 1500 | 0 | 1500 | | | |
| ER-W3 | 1st March 2014 to 31st March 2014 | 00-24 | 1000 | 300 | 700 | 700 | 0 | | |
| WR-SR | 1st March 2014 to 31st March 2014 | 00-24 | 1000 | 0 | 1000 | 1000 | 0 | | |
| SR-WR * | 1st March 2014 to 31st March 2014 | 00-24 | 1000 | 0 | 1000 | 0 | 1000 | | |
| ER-SR | 1st March 2014 to 12th March 2014 | 00-05 | 750 | 0 | 750 | 657 | 93 | | |
| | | 10-19 | 750 | | 750 | | 93 | | |
| | 13th March 2014 to 31st March 2014 | 00-05 | 750 | 0 | 750 | 507 | 243 | | |
| | | 10-19 | 750 | | 750 | | 243 | | |
| SR-ER * | 1st March 2014 to 31st March 2014 | 00-17 | 1100 | 0 | 1100 | 197 | 903 | | |
| | | 23-24 | 1100 | | 1100 | | 903 | | |
| ER-NER ² | 1st March 2014 to 05th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 06th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 07th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 08th March 2014 | 00-09 | 650 | 50 | 600 | 230 | 370 | | |
| | | 16-17 | 350 | | 300 | | 70 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 09th March 2014 to 11th March 2014 | 00-09 | 650 | 50 | 600 | 230 | 370 | | |
| | | 16-17 | 350 | | 300 | | 70 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 12th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 13th March 2014 | 00-07 | 650 | 50 | 600 | 230 | 370 | | |
| | | 07-17 | 650 | | 600 | | 370 | | |
| | 14th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 15th March 2014 | 00-07 | 650 | 50 | 600 | 230 | 370 | | |
| | | 07-17 | 650 | | 600 | | 370 | | |
| | | 17-23 | 720 | | 670 | | 440 | | |
| | | 23-24 | 720 | | 670 | | 440 | | |
| | 16th March 2014 to 17th March 2014 | 00-05 | 720 | 50 | 670 | 230 | 440 | | |
| | | 05-24' | 0 | | 0 | | 0 | | |
| | 18th March 2014 to 19th March 2014 | 00-07 | 720 | 50 | 670 | 230 | 440 | | |
| | | 07-17 | 550 | | 500 | | 270 | | |
| | 20th March 2014 | 00-07 | 720 | 50 | 670 | 230 | 440 | | |
| | | 07-17 | 500 | | 450 | | 220 | | |
| | 21st March 2014 | 17-23 | 500 | 50 | 450 | 230 | 220 | | |
| | | 23-24 | 500 | | 450 | | 220 | | |
| | 22nd March 2014 | 00-07 | 500 | 50 | 450 | 230 | 220 | | |
| | | 07-17 | 500 | | 450 | | 220 | | |
| | 23rd March 2014 | 17-23 | 350 | 50 | 300 | 230 | 70 | | |
| | | 23-24 | 350 | | 300 | | 70 | | |
| | 24th March 2014 | 00-06 | 720 | 50 | 670 | 230 | 440 | | |
| | | 17-24 | 720 | | 670 | | 440 | 120 | Revised due to shutdown of 220 kV Balipara-Samaguri not being availed |
| 25th March 2014 to 26th March 2014 | 00-06 | 720 | 50 | 670 | 230 | 440 | | | |
| | 17-24 | 600 | | 550 | | 320 | | | |
| 27th March 2014 to 31st March 2014 | 00-17 | 720 | 50 | 670 | 230 | 440 | | | |
| | 23-24 | 720 | | 670 | | 440 | | | |

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|------------------------------------|------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NER-ER | 1st March 2014 to 05th March 2014 | 00-17 | 520 | 100 | 420 | 0 | 420 | | |
| | | 17-23 | 450 | | 350 | | 350 | | |
| | 06th March 2014 | 00-17 | 520 | 100 | 420 | 0 | 420 | | |
| | | 17-23 | 450 | | 350 | | 350 | | |
| | | 23-24 | 520 | | 420 | | 420 | | |
| | 7th March 2014 to 14th March 2014 | 00-17 | 520 | 100 | 420 | 0 | 420 | | |
| | | 17-23 | 450 | | 350 | | 350 | | |
| | 15th March 2014 | 00-17 | 520 | 100 | 420 | 0 | 420 | | |
| | | 17-23 | 590 | | 490 | | 490 | | |
| | | 23-24 | 630 | | 530 | | 530 | | |
| | 16th March 2014 to 17th March 2014 | 00-05 | 630 | 100 | 530 | 0 | 530 | | |
| | | 05-17 | 200 | | 100 | | 100 | | |
| | | 17-23 | 200 | | 100 | | 100 | | |
| | 18th March 2014 to 21st March 2014 | 00-07 | 630 | 100 | 530 | 0 | 530 | | |
| | | 07-17 | 410 | | 310 | | 310 | | |
| | | 17-23 | 590 | | 490 | | 490 | | |
| | 22nd March 2014 to 23rd March 2014 | 00-17 | 630 | 100 | 530 | 0 | 530 | | |
| | | 17-23 | 590 | | 490 | | 490 | | |
| | 24th March 2014 | 00-06 | 630 | 100 | 530 | 0 | 530 | | |
| | | 06-17 | 630 | | 530 | | 530 | | |
| 17-23 | | 590 | 490 | | 490 | | | | |
| 25th March 2014 to 26th March 2014 | 00-06 | 630 | 100 | 530 | 0 | 530 | | | |
| | 06-17 | 520 | | 420 | | 420 | | | |
| | 17-23 | 590 | | 490 | | 490 | | | |
| 27th March 2014 to 31st March 2014 | 00-17 | 630 | 100 | 530 | 0 | 530 | | | |
| | 17-23 | 590 | | 490 | | 490 | | | |
| S1-S2 | 1st March 2014 | 00-24 | 5650 | 400 | 5250 | 4900 | 350 | | |
| | 2nd March 2014 | 00-06 | 5650 | 400 | 5250 | 4900 | 350 | | |
| | | 06-24 | 5350 | 400 | 4950 | 4900 | 50 | | |
| 3rd March 2014 to 31st March 2014 | 00-24 | 5650 | 400 | 5250 | 4900 | 350 | | | |
| Import of Punjab | 1st March 2014 to 31st March 2014 | 00-24 | 5600 | 300 | 5300 | 3800 | 1500 | | |
| Import TTC for DD & DNH | 1st March 2014 to 31st March 2014 | 00-24 | 980 | 0 | 980 | LTA and MTOA as per ex-pp schedule | | | |
| W3 zone Injection | 1st March 2014 to 13th March 2014 | 00-17 | 9000 | 200 | 8800 | 7167 | 1633 | | |
| | | 17-23 | 9500 | | 9300 | | 2133 | | |
| | 14th March 2014 | 00-08 | 9000 | 200 | 8800 | 7167 | 1633 | | |
| | | 14-17 | 8600 | | 8400 | | 1233 | | |
| | | 17-23 | 9500 | | 9300 | | 2133 | | |
| | 15th March 2014 to 31st March 2014 | 00-17 | 9000 | 200 | 8800 | 7167 | 1633 | | |
| 17-23 | | 9500 | 9300 | | 2133 | | | | |

* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

- 1) ER-SR TTC declared at Talcher Interconnector and Gazuwaka HVDC B/B seam
- 2) S1 comprises of AP and Karnataka; S2 comprises of Tamil Nadu, Kerala and Pondicherry
- 3) W3 comprises of the following regional entities :
a) Chattisgarh, b) Jindal Power Limited (JPL), c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) Lanco Amarkantak
f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCL

The figure is based on LTA/MTOA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage the LTA/MTOA utilized would be less. RLDC/ NLDC would factor this situation while issuing STOA approvals

\$ As per Simulations, predominant direction of flow is on West to North Corridor. Hence, in case injection point is in Western Region (W1,W2,W3), STOA/PX transactions from West to North on West-East-North corridor shall not be allowed as such transaction increases congestion in the West to North Corridor.

In case of any shutdown not being availed in real time, the TTC will be revised to normal values

1. WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:
• 765 kV Gwalior-Agra one circuit

2. ER-NER Total Transfer capability will be reduced to 450 MW in case of outage of any one of the 400kV Purnea-Biharsharif circuit.

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|----------|------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
|----------|------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|

Limiting Constraints

| Corridor | Constraint |
|-------------------|--|
| NR-WR | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. |
| WR-NR | High loading of 765 kV Agra-Gwalior (1000 MW SPS setting on each circuit of 765 kV Gwalior-Agra) |
| NR-ER | (n-1) contingency of 400 kV Allahabad-Pusaui |
| ER-NR | (n-1) contingency of 400 kV Kahalgaon-Biharsharif |
| W3-ER | (n-1) contingency of 400kV Sterite-Rourkela S/C |
| ER-W3 | High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni (n-1) contingency of 400kV Raigarh-Sterlite |
| WR-SR & ER-SR | 1. Commissioning of 765kV Raichur-Sholapur S/C 2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent 3. Considering transfer capability assessment by CTU on NEW-SR corridor. |
| SR-WR | Bhadrawati HVDC B/B link capacity |
| SR-ER | |
| ER-NR | (n-1) contingency of 400 kV Kahalgaon-Biharsharif |
| NR-ER | (n-1) contingency of 315 MVA ICT at Misa |
| S1-S2 | (n-1) contingency of 400 kV Kolar-Hosur D/C line, 400kV Hosur-Salem S/C and 400kV Somanahalli-Salem S/C line. |
| Import of Punjab | (n-1) contingency of ICT at Patiala/Moga |
| W3 zone Injection | (n-1) contingency of 400 kV Raipur-Wardha-Parli Section |

*Primary constraints

Simultaneous Import Capability

| Corridor | Date | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments |
|------------------------------------|------------------------------------|-------------------------|---------------------------------|--------------------|-------------------------------------|--|--|--|----------|
| ER | | | | | | | | | |
| NR¹ | 1st March 2014 to 4th March 2014 | 00-17 23-24 | 7800 | 800 | 7000 | 6445 | 555 | | |
| | | 17-23 | 7300 | | 6500 | | 55 | | |
| | 5th March 2014 | 00-08 23-24 | 7800 | 800 | 7000 | 6445 | 555 | | |
| | | 08-17' | 5800 | | 5000 | | 0 | | |
| | | 17-23 | 7300 | | 6500 | | 55 | | |
| | 6th March 2014 | 00-18 23-24 | 7800 | 800 | 7000 | 6445 | 555 | | |
| | | 08-17' | 7400 | | 6600 | | 155 | | |
| | | 17-23 | 7300 | | 6500 | | 55 | | |
| | 7th March 2014 | 00-08 18-24 | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 08-18' | 7400 | | 6600 | | 155 | | |
| | 8th March 2014 to 9th March 2014 | 00-17 23-24 | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 17-23 | 8000 | | 7200 | | 755 | | |
| | 10th March 2014 | 00-10 13-24 | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 10-13' | 6800 | | 6000 | | 0 | | |
| | 11th March 2014 to 12th March 2014 | 00-17 23-24 | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 17-23 | 8000 | | 7200 | | 755 | | |
| | 13th March 2014 | 00-07 07-24' | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 07-24' | 7750 | 800 | 6950 | 6445 | 0 | | |
| | 14th March 2014 | 00-24 | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 00-07 07-24' | 8000 | 800 | 7200 | 6445 | 755 | | |
| | 15th March 2014 | 00-07 07-24' | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 07-24' | 8000 | 800 | 7200 | 6445 | 0 | | |
| | 16th March 2014 to 19th March 2014 | 00-17 23-24 | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 17-23 | 8000 | | 7200 | | 755 | | |
| | 20th March 2014 | 00-07 07-24' | 8000 | 800 | 7200 | 6445 | 755 | | |
| | | 07-24' | 7400 | | 6600 | | 155 | | |
| | 21st March 2014 | 00-24 | 7400 | 800 | 6600 | 6445 | 155 | | |
| | | 00-07 07-24' | 7400 | 800 | 6600 | 6445 | 155 | | |
| 22nd March 2014 | 00-07 07-24' | 6400 | 800 | 5600 | 6445 | 0 | | | |
| | 07-24' | 6400 | | 5600 | | 0 | | | |
| 23rd March 2014 | 00-24 | 6400 | 800 | 5600 | 6445 | 0 | | | |
| | 00-06 06-24' | 8000 | 800 | 7200 | 6445 | 755 | | | |
| 06-24' | 8000 | 7200 | | 755 | | 1100 | Revised due to shutdown of 765 kV Bina-Gwalior Ckt 2 not being availed | | |
| 26th March 2014 to 28th March 2014 | 00-06 06-24' | 8000 | 800 | 7200 | 6445 | 755 | | | |
| | 06-24' | 6900 | | 6100 | | 0 | -1100 | Revised due to emergency shutdown of 765 kV Bina-Gwalior Ckt 2 | |
| 29th March 2014 to 31st March 2014 | 00-17 23-24 | 8000 | 800 | 7200 | 6445 | 755 | | | |
| | 17-23 | 8000 | | 7200 | | 755 | | | |
| NER² | 1st March 2014 to 05th March 2014 | 00-17 23-24 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | | 00-17 | 650 | | 600 | | 370 | | |
| | 06th March 2014 | 17-23 | 590 | 50 | 540 | 230 | 310 | | |
| | | 23-24 | 650 | | 600 | | 370 | | |
| | | 00-17 | 650 | | 600 | | 370 | | |
| | 7th March 2014 | 00-17 23-24 | 650 | 50 | 600 | 230 | 370 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 8th March 2014 | 00-09 16-17 23-24 | 650 | 50 | 600 | 230 | 370 | | |
| | | 09-16' | 350 | | 300 | | 70 | | |
| | | 17-23 | 590 | | 540 | | 310 | | |
| | 9th March 2014 to 11th March 2014 | 00-09 16-17 23-24 | 650 | 50 | 600 | 230 | 370 | | |
| 09-16' | | 350 | 300 | | 70 | | | | |
| 17-23 | | 590 | 540 | | 310 | | | | |

Simultaneous Import Capability

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|------------------------------------|------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|---|----------|
| NER ² | 12th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 23-24 | 590 | | 540 | | 310 | | |
| | | 17-23 | 650 | | 600 | | 370 | | |
| | 13th March 2014 | 00-07 | 650 | 50 | 600 | 230 | 370 | | |
| | | 07-17' | 650 | | 600 | | 370 | | |
| | | 23-24 | 590 | | 540 | | 310 | | |
| | 14th March 2014 | 00-17 | 650 | 50 | 600 | 230 | 370 | | |
| | | 23-24 | 590 | | 540 | | 310 | | |
| | | 17-23 | 650 | | 600 | | 370 | | |
| | 15th March 2014 | 00-07 | 650 | 50 | 600 | 230 | 370 | | |
| | | 07-17' | 650 | | 600 | | 370 | | |
| | | 17-23 | 720 | | 670 | | 440 | | |
| | | 23-24 | 720 | | 670 | | 440 | | |
| | 16th March 2014 to 17th March 2014 | 00-05 | 720 | 50 | 670 | 230 | 440 | | |
| | | 05-24' | 0 | 0 | 0 | | 0 | | |
| | 18th March 2014 to 19th March 2014 | 00-07 | 720 | 50 | 670 | 230 | 440 | | |
| | | 17-24 | 550 | | 500 | | 270 | | |
| | 20th March 2014 | 00-07 | 720 | 50 | 670 | 230 | 440 | | |
| | | 07-17' | 500 | | 450 | | 220 | | |
| | | 17-23 | 500 | | 450 | | 220 | | |
| 21st March 2014 | 00-07 | 500 | 50 | 450 | 230 | 220 | | | |
| | 23-24 | 500 | | 450 | | 220 | | | |
| 22nd March 2014 | 00-07 | 500 | 50 | 450 | 230 | 220 | | | |
| | 07-17' | 350 | | 300 | | 70 | | | |
| 23rd March 2014 | 00-07 | 350 | 50 | 300 | 230 | 70 | | | |
| | 17-23 | 350 | | 300 | | 70 | | | |
| 24th March 2014 | 00-06 | 720 | 50 | 670 | 230 | 440 | | | |
| | 17-24 | 720 | | 670 | | 440 | 120 | Revised due to shutdown of 220 kV Balipara-Samaguri not being availed | |
| 25th March 2014 to 26th March 2014 | 00-06 | 720 | 50 | 670 | 230 | 440 | | | |
| | 17-24 | 600 | | 550 | | 320 | | | |
| 27th March 2014 to 31st March 2014 | 00-17 | 720 | 50 | 670 | 230 | 440 | | | |
| | 23-24 | 720 | | 670 | | 440 | | | |
| WR | | | | | | | | | |
| | | | | | | | | | |
| SR | 1st March 2014 to 12th March 2014 | 00-05 | 1750 | 0 | 1750 | 1657 | 93 | | |
| | | 10-19 | 1750 | | 1750 | | 93 | | |
| | 13th March 2014 to 31st March 2014 | 00-05 | 1750 | 0 | 1750 | 1507 | 243 | | |
| | | 10-19 | 1750 | | 1750 | | 243 | | |

1. WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:

- 765 kV Gwalior-Agra one circuit
- 765 kV Bina-Gwalior one circuit

2. ER-NR Total Transfer capability will be reduced to 450 MW in case of outage of any one of the 400kV Purnea-Biharsharif circuit.

Simultaneous Export Capability

| Corridor | Date | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments | |
|------------------------------------|------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|-----|
| NR* | 1st March 2014 to 31st March 2014 | 00-17 23-24 | 3500 | 700 | 2800 | 561 | 2239 | | | |
| | | 17-23 | 3600 | | 2900 | | 2339 | | | |
| NER | 1st March 2014 to 05th March 2014 | 00-17 23-24 | 520 | 100 | 420 | 0 | 420 | | | |
| | | 17-23 | 450 | | 350 | | 350 | | | |
| | 06th March 2014 | 00-17 | 520 | 100 | 420 | 0 | 420 | | | |
| | | 17-23 | 450 | | 350 | | 350 | | | |
| | | 23-24 | 520 | | 420 | | 420 | | | |
| | 7th March 2014 to 14th March 2014 | 00-17 23-24 | 520 | 100 | 420 | 0 | 420 | | | |
| | | 17-23 | 450 | | 350 | | 350 | | | |
| | 15th March 2014 | 00-17 | 520 | 100 | 420 | 0 | 420 | | | |
| | | 17-23 | 590 | | 490 | | 490 | | | |
| | | 23-24 | 630 | | 530 | | 530 | | | |
| | 16th March 2014 to 17th March 2014 | 00-05' | 630 | 100 | 530 | 0 | 530 | | | |
| | | 05-17 23-24 | 200 | | 100 | | 100 | | | |
| | | 17-23 | 200 | | 100 | | 100 | | | |
| | 18th March 2014 to 21st March 2014 | 00-07 23-24 | 630 | 100 | 530 | 0 | 530 | | | |
| | | 07-17' | 410 | | 310 | | 310 | | | |
| | | 17-23 | 590 | | 490 | | 490 | | | |
| | 22nd March 2014 to 23rd March 2014 | 00-17 23-24 | 630 | 100 | 530 | 0 | 530 | | | |
| | | 17-23 | 590 | | 490 | | 490 | | | |
| | 24th March 2014 | 00-06 23-24 | 630 | 100 | 530 | 0 | 530 | | | |
| | | 06-17' | 630 | | 530 | | 530 | | | 110 |
| 17-23 | | 590 | 490 | | 490 | | | | | |
| 25th March 2014 to 26th March 2014 | 00-06 23-24 | 630 | 100 | 530 | 0 | 530 | | | | |
| | 06-17' | 520 | | 420 | | 420 | | | | |
| | 17-23 | 590 | | 490 | | 490 | | | | |
| 27th March 2014 to 31st March 2014 | 00-17 23-24 | 630 | 100 | 530 | 0 | 530 | | | | |
| | 17-23 | 590 | | 490 | | 490 | | | | |
| WR | | | | | | | | | | |
| SR* | 1st March 2014 to 31st March 2014 | 00-17 23-24 | 2100 | 0 | 2100 | 197 | 1903 | | | |
| | | 17-23 | 2100 | | 2100 | | 1903 | | | |

* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

Limiting Constraints

| | | |
|-----|--------|---|
| NR | Import | (n-1) contingency of 400 kV Kahalgaon-Biharshariff High loading of 765 kV Agra-Gwalior (1000 MW SPS setting on each circuit of 765 kV Gwalior-Agra) |
| | Export | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli |
| NER | Import | (n-1) contingency of 400 kV Kahalgaon-Biharshariff |
| | Export | (n-1) contingency of 315 MVA ICT at Misa |
| SR | Import | 1. Commissioning of 765kV Raichur-Sholapur S/C 2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations (LFO) |
| | Export | 3. Considering transfer capability assessment by CTU on NEW-SR corridor. |

*Primary constraints

**National Load Despatch Centre
Total Transfer Capability for March 2014**

| Revision No | Date of Revision | Period of Revision | Reason for Revision | Corridor Affected |
|-------------|------------------|---------------------|--|----------------------|
| 1 | 22/01/2014 | Whole Month | Revised due to commissioning of 765kV Raichur-Sholapur S/C | ER-SR/ WR-SR |
| 2 | 19/02/2014 | Whole Month | 1. Revised due to shutdown of TEESTA Power Station. 2. Revised due to change in Inter-regional flow pattern & COD of Sasan UMPP Unit-2 | ER-NR/ WR-NR |
| | | | Revised considering operational experience and margins on HVDC | ER-SR/ WR-SR |
| | | | Review of flow pattern due to network topology change and Load Generation Balance. | W3 Zone Injection |
| 3 | 26/02/2014 | Whole Month | Revised due to Non-Commissioning of Kudankulam U-1, Vallur U-3 & NLC Exp U-1 | S1-S2 |
| | | 01.03.14 - 06.03.14 | Revised due to shutdown of 220kV Balipara - Samaguri S/C | ER-NER / NER-ER |
| 4 | 28/02/2014 | 01.03.14 | Revised due to shutdown of 400 kV SEL-Rourkela Ckt 1 | W3-ER |
| 5 | 01/03/2014 | 02.03.14 | Revised due to shutdown of 400 kV Raichur-Gooty D/C | S1-S2 |
| 6 | 04/03/2014 | 06.03.14 - 15.03.14 | Revised due to extension of 220 kV Balipara-Samaguri shutdown | ER-NER / NER-ER |
| | | 05.03.14 | Revised due to emergency shutdown of 765 kV Gwalior Bus 1 | WR-NR / NR Import |
| 7 | 05/03/2014 | 06.03.14- 07.03.14 | Revised due to shutdown of 400KV Biharshariff - Muzaffarpur D/C | ER-NR |
| 8 | 07/03/2014 | 08.03.14 | Revised due to shutdown of 400kV Purnea-Binaguri Ckt-3 &4 | ER-NER |
| 9 | 08/03/2014 | 09.03.14 - 11.03.14 | Revised due to shutdown of 400kV Purnea-Binaguri Ckt-3 &4 | ER-NER |
| | | | Revised due to shutdown of 400 kV Rourkela - Sundergarh - 1 | W3-ER |
| 10 | 09/03/2014 | 10.03.14 | Revised due to Emergency shutdown of 400 kV Maithon-Koderma D/C | ER-NR |
| 11 | 10/03/2014 | 13.03.14 | Crossing work of upcoming 765KV S/C Ranchi-Sipat line. Also for the construction work & stringing of 400 kV Ranchi-Ranchi-II | W3-ER |
| 12 | 12/03/2014 | 13.03.14- 31.03.14 | Margin revised due to withdrawal/cancellation of 150MW MTOA from Corporate Power Limited | ER-SR |
| | | 13.03.14 | Revised due to shutdown of HVDC Rihand -Dadri Earth electrode along with HVDC Rihand-Dadri pole2 | WR-NR |
| | | 13.03.14 - 14.03.14 | Revised due to shutdown of 400kV Kahalgaon-Biharshariff -1 | ER-NR/ ER-NER |
| | | 15.03.14 | Revised due to shutdown of 400kV Kahalgaon-Biharshariff D/C | ER-NR/ ER-NER |
| 13 | 13/03/2014 | 13.03.14 - 14.03.14 | Revised due to cancellation of 400kV Kahalgaon-Biharshariff -1 shutdown | ER-NR/ ER-NER |
| | | 15.03.14 | Revised due to cancellation of 400kV Kahalgaon-Biharshariff D/C shutdown | ER-NR/ ER-NER |
| | | 14.03.14 | Revised due to shutdown of 400kV Ranchi-Sipat D/C | W3-ER |
| | | | Revised due to shutdown of 400kV Raipur-Bhadrawati Ckt-1 | W3 Zone Injection |
| 14 | 14/03/2014 | 15.03.14 - 31.03.14 | STOA/PX transactions on West-East-North Corridor discontinued on account of Inter-Regional Loop flows leading to physical congestion on WR-NR. | ER-NR / WR-NR |
| 15 | 15/03/2014 | 16.03.14 - 17.03.14 | Revised due to Shutdown of 400 kV Binaguri-Bongoigaon D/C | ER-NER |
| 16 | 17/03/2014 | 18.03.14 - 21.03.14 | Revised due to shutdown of 220 kV BTPS- Salakati D/C | ER-NER / NER-ER |
| 17 | 19/03/2014 | 20.03.14- 22.03.14 | Revised due to shutdown of 400kV Kahalgaon-Biharshariff -1 | ER-NR/ ER-NER |
| | | | Revised due to shutdown of 400kV Kahalgaon-Biharshariff-1 and 2 | ER-NR/ ER-NER |
| | | 20.03.14 - 25.03.14 | Revised due to shutdown of 400 kV Rourkela-Jharsuguda Ckt 1 | W3-ER |
| 18 | 22/03/2014 | 24.03.14 - 25.03.14 | Revised due to emergency shutdown of 765 kV Bina-Gwalior Ckt 2 | WR-NR |
| | | 23.03.14 | Revised due to extension of shutdown of 400 kV Kahalgaon-Biharshariff Ckt 1 and Ckt 2 | ER-NER / ER-NR |
| | | 24.03.14 - 26.03.14 | Revised due to shutdown of 220 kV Balipara-Samaguri | ER-NER / NER-ER |
| 19 | 24/03/2014 | 24.03.14 | Revised due to shutdown of 220 kV Balipara-Samaguri not being availed | ER-NER / NER-ER |
| | | 24.03.14 - 25.03.14 | Revised due to shutdown of 765 kV Bina-Gwalior Ckt 2 not being availed | WR-NR |
| | | 26.03.14 - 28.03.14 | Revised due to shutdown of 765 kV Bina-Gwalior Ckt 2 | WR-NR |

ASSUMPTIONS IN BASECASE

Month : March '14

| S.No. | Name of State/Area | Load | | Generation | |
|------------|----------------------------|----------------|--------------------|--------------|---------------|
| | | Peak Load (MW) | Off Peak Load (MW) | Peak (MW) | Off Peak (MW) |
| I | NORTHERN REGION | | | | |
| 1 | Punjab | 5571 | 4510 | 2524 | 2495 |
| 2 | Haryana | 5755 | 4779 | 3482 | 3482 |
| 3 | Rajasthan | 8215 | 8320 | 4940 | 4892 |
| 4 | Delhi | 4102 | 2950 | 1101 | 1101 |
| 5 | Uttar Pradesh | 11500 | 10154 | 5957 | 5867 |
| 6 | Jammu & Kashmir | 2249 | 1725 | 343 | 567 |
| 7 | Uttarakhand | 1582 | 1397 | 649 | 580 |
| 8 | Himachal Pradesh | 1353 | 1194 | 367 | 253 |
| 9 | Chandigarh | 238 | 138 | 0 | 0 |
| 10 | ISGS/IPPs | | | 17573 | 11543 |
| | Total NR | 40564 | 35167 | 36936 | 30780 |
| | | | | | |
| II | EASTERN REGION | | | | |
| 1 | West Bengal | 6600 | 5100 | 4797 | 4000 |
| 2 | Jharkhand | 1000 | 800 | 450 | 450 |
| 3 | Orissa | 3400 | 2600 | 2405 | 1600 |
| 4 | Bihar | 2000 | 1600 | 0 | 0 |
| 5 | Damodar Valley Corporation | 2600 | 2350 | 3600 | 3397 |
| 6 | Sikkim | 90 | 50 | | 0 |
| 7 | Bhutan | 110 | 110 | 200 | 200 |
| 8 | ISGS/IPPs | 270 | 270 | 6849 | 6490 |
| | Total ER | 16070 | 12880 | 18301 | 16137 |
| | | | | | |
| III | WESTERN REGION | | | | |
| 1 | Chattisgarh | 3236 | 2968 | 1629 | 1629 |
| 2 | Madhya Pradesh | 6961 | 5643 | 3847 | 3003 |
| 3 | Maharashtra | 16185 | 14018 | 11275 | 10527 |
| 4 | Gujarat | 11063 | 10565 | 10649 | 9002 |
| 5 | Goa | 422 | 283 | 0 | 0 |
| 6 | Daman and Diu | 239 | 240 | 0 | 0 |
| 7 | Dadra and Nagar Haveli | 588 | 552 | 0 | 0 |
| 8 | ISGS/IPPs | 1291 | 1111 | 18555 | 16029 |
| | Total WR | 39985 | 35380 | 45955 | 40190 |
| | | | | | |

| | | | | | |
|-----------|-----------------------------|---------------|---------------|---------------|---------------|
| IV | SOUTHERN REGION | | | | |
| 1 | Andhra Pradesh | 12233 | 9818 | 8014 | 6538 |
| 2 | Tamil Nadu | 11677 | 9714 | 7485 | 5425 |
| 3 | Karnataka | 8822 | 6821 | 6694 | 5453 |
| 4 | Kerala | 3378 | 2583 | 1844 | 916 |
| 5 | Pondy | 312 | 247 | | |
| 6 | Goa | 80 | 80 | | |
| 7 | ISGS/IPPs | | | 10790 | 9643 |
| | Total SR | 36502 | 29263 | 34827 | 27975 |
| | | | | | |
| V | NORTH-EASTERN REGION | | | | |
| 1 | Manipur | 120 | 84 | 0 | 0 |
| 2 | Meghalaya | 300 | 210 | 90 | 70 |
| 3 | Mizoram | 70 | 49 | 4 | 0 |
| 4 | Nagaland | 110 | 77 | 12 | 6 |
| 5 | Assam | 1280 | 940 | 190 | 190 |
| 6 | Tripura | 220 | 130 | 105 | 100 |
| 7 | Arunachal Pradesh | 120 | 84 | 0 | 0 |
| 8 | ISGS/IPPs | | | 921 | 603 |
| | Total NER | 2220 | 1574 | 1322 | 969 |
| | | | | | |
| | Total All India | 135341 | 114264 | 137341 | 116051 |