

**National Load Despatch Centre
Total Transfer Capability for January 2013**

Issue Date: 26/01/2013

Issue Time: 1000 hrs

Revision No.18

| 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) | Comments |
|--|--|---------------------------|---------------------------------|--------------------|-------------------------------------|--|--|--|
| NR-WR | 1st January 2013 to 31st January 2013 | 00-24 | 1500 | 200 | 1300 | 286 | 1014 | |
| WR-NR | 1st January 2013 to 15th January 2013 | 00-24 | 1700 | 200 | 1500 | 780 | 720 | LTA revised due to commissioning of CGPL unit-30 |
| | 16th January 2013 to 17th January 2013 | 00-09 18-24 09-18' | 1700 1600 | 200 | 1500 1400 | 780 | 720 620 | Revised due to Shutdown of 220kV Kota-Badod |
| | 18th January 2013 to 21st January 2013 | 00-24 | 1700 | 200 | 1500 | 780 | 720 | |
| | 22nd January 2013 to 31st January 2013 | 00-24 | 1700 | 200 | 1500 | 1040 | 460 | LTA/MTOA revised due to COD of CGPL unit-40. |
| | | | | | | | | |
| NR-ER | 1st January 2013 to 31st January 2013 | 00-17 23-24 | 800 | 200 | 600 | 0 | 600 | |
| | | 17-23 | 900 | | 700 | | 700 | |
| ER-NR | 1st January 2013 to 3rd January 2013 | 00-17 23-24 17-23 | 2350 | 300 | 2050 | 1770 | 280 | DVC LTA figures to NR included |
| | | 17-23 | | | | 1770 | 280 | |
| | 4th January 2013 | 00-10 12-24 10-12' | 2250 | 300 | 1950 | 1770 | 180 | Revised due to emergency shutdown of 400 KV Kahalgaon - Biharzariff - II |
| | | 17-23 | | | | 1770 | 280 | |
| | 5th January 2013 to 17th January 2013 | 00-17 23-24 17-23 | 2350 | 300 | 2050 | 1770 | 280 | |
| | | 17-23 | | | | 1770 | 280 | |
| | 18th January 2013 | 00-11 19-24 11-19' | 1910 | 300 | 2050 | 1770 | 280 | Revised due to Emergency shutdown of 400kV Malda-New Purnea-I |
| | | 11-19' | | | 1610 | 1610 | 0 | |
| | 19th January 2013 to 22nd January 2013 | 00-17 23-24 17-23 | 2350 | 300 | 2050 | 1770 | 280 | |
| | | 17-23 | | | | 1770 | 280 | |
| | 23rd January 2013 to 25th January 2013 | 00-09 18-24 09-18' | 1800 | 300 | 1500 | 1500 | 0 | Revised to Shutdown of (1)400kV Banka-Biharzariff-1 on 23.01.13 from 09 to 17 hrs. (2)400kV Banka-Kahalgaon-1 on 24.01.13 from 09 to 17 hrs. (3)400kV Banka-Kahalgaon-2 on 25.01.13 from 09 to 17 hrs. |
| | | 00-09 18-24 | 2350 | | 2050 | 1770 | 280 | |
| 26th January 2013 to 27th January 2013 | 00-17 23-24 17-23 | 2350 | 300 | 2050 | 1770 | 280 | | |
| | 17-23 | | | | 1770 | 280 | | |
| 28th January 2013 | 00-09 18-24 09-18' | 1800 | 300 | 1500 | 1500 | 0 | Revised to Shutdown of (1)400kV Banka-Biharzariff-2 on 28.01.13 from 09 to 17 hrs. | |
| | 00-09 18-24 | 2350 | | 2050 | 1770 | 280 | | |
| 29th January 2013 to 31st January 2013 | 00-17 23-24 17-23 | 2350 | 300 | 2050 | 1770 | 280 | | |
| | 17-23 | | | | 1770 | 280 | | |
| | | | | | | | | |
| W3-ER | 1st January 2012 to 20th January 2012 | 00-24 | 1400 | 300 | 1100 | 0 | 1100 | |
| | | 00-07, 18-24 07-18' | 1400 1200 | 300 | 1100 900 | 0 | 1100 900 | |
| | 22nd January 2012 | 00-07, 18-24 07-18' | 1400 1200 | 300 | 1100 900 | 0 | 1100 900 | Revised due to extension of 400 kV Sipat-Ranchi D/C shutdown. |
| | | 00-07, 18-24 | 1400 | 300 | 1100 | 0 | 1100 | |
| 23rd January 2012 to 31st January 2012 | 00-24 | 1400 | 300 | 1100 | 0 | 1100 | | |
| ER-W3 | 1st January 2012 to 31st January 2012 | 00-24 | 900 | 250 | 650 | 650 | 0 | |
| | | | | | | | | |
| WR-SR | 1st January 2013 to 31st January 2013 | 00-24 | 1000 | 0 | 1000 | 992 | 8 | |
| SR-WR | 1st January 2013 to 31st January 2013 | 00-24 | 1000 | 0 | 1000 | 0 | 1000 | |

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|--|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|--|
| ER-SR | 1st January 2013 to 7th January 2013 | 00-05 10-19 | 830 | 0 | 830 | 170 | 660 | Revised due to full availability of ER ISGS, TSPPP st-II and less drawal by Odisha. |
| | | 05-10 19-24 | 950* | | 950* | | 780* | |
| | 8th January 2013 | 00-05 17-19 | 830 | 0 | 830 | 170 | 660 | Revised due to shutdown of 400 kV Baripada-Kharagpur-Kolaghat. |
| | | 05-07 19-24 | 950* | 0 | 950* | 170 | 780* | |
| | | 07-10' 10-17' | 750* 750 | 0 0 | 750* 750 | 170* 170 | 580* 580 | |
| | 9th January 2013 to 12th January 2013 | 00-05 10-19 | 830 | 0 | 830 | 170 | 660 | |
| | | 05-10 19-24 | 950* | | 950* | | 780* | |
| | 13th January 2013 | 00-05 19-24 | 830 950* | 0 | 830 950* | 170 | 660 0 | Revised due to shutdown of HVDC Talcher-Kolar Pole 1 |
| | | 05-19' | 170 | | 170 | | 780* | |
| | | 00-05 05-19' | 830 0 | | 830 0 | | 660 0 | |
| | 19-24 | 950* | 950* | 780* | | | | |
| | 15th January 2013 | 00-05 16-19 | 830 | 0 | 830 | 170 | 660 | Revised due to shutdown of 400 KV Kolaghat - Baripada |
| | | 07-16' | 750 | | 750 | | 580 | |
| | | 05-07 19-24 | 950* 950* | | 950* 950* | | 780* 780* | |
| | 16th January 2013- 31st January 2013 | 00-05 10-19 | 830 | 0 | 830 | 170 | 660 | |
| 05-10 19-24 | | 950* | 950* | | 780* | | | |
| SR-ER | 1st January 2012 to 31st January 2012 | 00-17 23-24 | 700 | 0 | 700 | 197 | 503 | |
| | | 17-23 | 700 | | 700 | | 503 | |
| | | | | | | | | |
| ER-NER | 1st January 2013 to 15th January 2013 | 00-17 23-24 | 450 | 35 | 415 | 182 | 233 | |
| | | 17-23 | 450 | | 415 | 186 | 229 | |
| | | 00-08 17-24 | 450 | | 415 | 182 | 233 | |
| | 16th January 2013 to 17th January 2013 | 08-17' | 240 | 35 | 205 | 205 | 0 | 1. Revised due to Shutdown of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13. |
| | | 00-08 19-24 | 450 | | 415 | 182 | 233 | |
| | 18th January 2013 | 08-19' | 240 | 35 | 205 | 205 | 0 | 2. Revised due to Emergency shutdown of 400kV Malda-New Purnea-I on 18.01.13. |
| | | 00-08 17-24 | 450 | | 415 | 182 | 233 | |
| | 19th January 2013 | 08-17' | 240 | 35 | 205 | 205 | 0 | |
| | | 00-08 17-24 | 450 | | 415 | 182 | 233 | |
| | 20th January 2013 to 22nd January 2013 | 00-17 23-24 | 450 | 35 | 415 | 182 | 233 | |
| | | 17-23 | 450 | | 415 | 186 | 229 | |
| | 23rd January 2013 to 25th January 2013 | 00-09 18-24 | 450 | 35 | 415 | 182 | 233 | Revised to Shutdown of (1)400kV Banka-Biharsharif-1 on 23.01.13 from 09 to 17 hrs. (2)400kV Banka-Kahalgaon-1 on 24.01.13 from 09 to 17 hrs. (3)400kV Banka-Kahalgaon-2 on 25.01.13 from 09 to 17 hrs. |
| | | 09-18' | 300 | | 265 | 186 | 79 | |
| | 26th January 2013 to 27th January 2013 | 00-17 23-24 | 450 | 35 | 415 | 182 | 233 | |
| | | 17-23 | 450 | | 415 | 186 | 229 | |
| 28th January 2013 | 00-09 18-24 | 450 | 35 | 415 | 182 | 233 | Revised to Shutdown of (1)400kV Banka-Biharsharif-2 on 28.01.13 from 09 to 17 hrs. | |
| | 09-18' | 300 | | 265 | 186 | 79 | | |
| 29th January 2013 to 31st January 2013 | 00-17 23-24 | 450 | 35 | 415 | 182 | 233 | | |
| | 17-23 | 450 | | 415 | 186 | 229 | | |
| NER-ER# | 1st January 2013 to 15th January 2013 | 00-17 23-24 | 600 | 100 | 500 | 0 | 500 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | | 00-08 23-24 | 600 | | 500 | | 0 | |
| | 16th January 2013 to 17th January 2013 | 08-17' | 100 | 100 | 0 | 0 | 0 | 1. Revised due to Shutdown of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13. |
| | | 17-23 | 300 | | 200 | | 200 | |
| | | 00-08 23-24 | 600 | | 500 | | 0 | |
| | 18th January 2013 | 08-19' | 100 | 100 | 0 | 0 | 0 | 2. Revised due to Emergency shutdown of 400kV Malda-New Purnea-I on 18.01.13. |
| | | 19-23 | 300 | | 200 | | 200 | |
| | | 00-08 23-24 | 600 | | 500 | | 0 | |
| | 19th January 2013 | 08-17' | 100 | 100 | 0 | 0 | 0 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | | 00-17 23-24 | 600 | | 500 | | 0 | |
| | 20th January 2013 to 26th January 2013 | 00-17 23-24 | 600 | 100 | 500 | 0 | 500 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | 27th January 2013 to 29th January 2013 | 00-08 23-24 | 600 | 100 | 500 | 0 | 500 | Revised due to shutdown of 220 kV BTPS – Agia S/C from 27.01.13 to 29.01.13 |
| 08-17' | | 430 | 330 | | 330 | | | |
| 17-23 | | 300 | 200 | | 200 | | | |
| 30th January 2013 to 31st January 2013 | 00-17 23-24 | 600 | 100 | 500 | 0 | 500 | | |
| | 17-23 | 300 | | 200 | | 200 | | |

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|-------------------------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|--|
| S1-S2 | 1st January 2013 to 31st January 2013 | 00-24 | 5500 | 200 | 5300 | 4000 | 1300 | |
| Import of Punjab | 1st January 2013 to 31st January 2013 | 00-24 | 5400 | 300 | 5100 | 3243 | 1857 | |
| Import TTC for DD & DNH | 1st January 2013 to 31st January 2013 | 00-24 | 980 | 0 | 980 | LTA and MTOA as per ex-pp schedule | | |
| W3 zone Injection | 1st January 2013 to 4th January 2013 | 00-18, 22-24 | 7000 | 200 | 6800 | 6400 | 400 | 6400 MW corresponds to maximum effective LTA from W3. Export Margin from W3 would vary on daily basis as per the Declared Capability (DC) of generators scheduling power on long term basis in the zone. |
| | | 18-22 | 7500 | | 7300 | | 900 | |
| | 5th January 2013 | 00-08' | 8000 | 200 | 7800 | 6400 | 1400 | 1. Revised due to Commissioning of 400 kV Raipur-Wardha D/C with 40% Series Compensation at Wardha end. 2. Shutdown of 765 kV Seoni-Wardha ckt-1 and Seoni-Bina from 05.01.13 to 07.01.13. |
| | | 08-17' | 7500 | | 7300 | | 900 | |
| | | 17-23' | 8000 | | 7800 | | 1400 | |
| | | 23-24 | 7500 | | 7300 | | 900 | |
| | 6th January 2013 to 7th January 2013 | 00-17' 23-24 | 7500 | 200 | 7300 | 6400 | 900 | |
| | | 17-23' | 8000 | 200 | 7800 | 6400 | 1400 | |
| | 8th January 2013 | 00-17, 23-24 | 8000 | 200 | 7800 | 6400 | 1400 | |
| | | 17-23 | 8500 | | 8300 | | 1900 | |
| | 9th January 2013 | 00-08 | 8000 | 200 | 7800 | 6400 | 1400 | Revised due to shutdown of 765 kV Seoni-Wardha I from 09.01.13 to 10.01.13 |
| | | 08-17' | 7500 | | 7300 | | 900 | |
| | | 17-23 | 8000 | | 7800 | | 1400 | |
| | | 23-24 | 7500 | | 7300 | | 900 | |
| | | 00-17 | 7500 | | 7300 | | 900 | |
| | 10th January 2013 | 17-19 | 8000 | 200 | 7800 | 6400 | 1400 | |
| | | 19-23 | 8500 | | 8300 | | 1900 | |
| | | 23-24 | 8000 | | 7800 | | 1400 | |
| | | 00-17 | 7500 | | 7300 | | 900 | |
| | 11th January 2013 to 31st January 2013 | 00-17, 23-24 | 8000 | 200 | 7800 | 6400 | 1400 | |
| 17-23 | | 8500 | 8300 | | 1900 | | | |

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

- 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 and would be operational wef 0000 hrs of 18th September 2012
 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
 * additional 250 MW can be transferred to SR if injection point is South Odisha

Limiting Constraints

| Corridor | Constraint |
|---------------------------|--|
| NR-WR | (n-1) contingency of 400kV Bina(PG)-Bina(MP) |
| WR-NR | (n-1) contingency of 400 kV Bina-Gwalior |
| NR-ER | (n-1) contingency of 400 kV Pusaali-Biharsharif |
| ER-NR | (n-1) contingency of 400 kV Farakka-Malda |
| W3-ER | (n-1) contingency of 400 kV Farakka-Malda* |
| 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 Rourkela-Jamshedpur |
| WR-SR | Bhadrawati HVDC B/B link capacity (n-1) Contingency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala 1 |
| SR-WR | Bhadrawati HVDC B/B link capacity |
| ER-SR | (n-1) contingency of 400 kV Rourkela-Talcher* Low Voltage in Chennai Area (n-1) contingency of 400 kV Vijaywada-Nellore* |
| SR-ER | (n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 400 kV Kadappa-Kolar and Neyveli- Sriperumbudur |
| ER-NER | (n-1) contingency of 400 kV Farakka-Malda* High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV 315 MVA ICT at Misa, Balipara |
| NER-ER | (n-1) contingency of 400 kV Binaguri-Bongaigaon High loading of 132 kV LTPS - Mariani* |
| SI-S2 | (n-1) contingency of 400 kV Hosur-Salem |
| Import of Punjab | (n-1) contingency of ICT at Moga |
| W3 zone export TTC | (n-1) contingency of 400 kV Raipur-Wardha and High loading of 400 kV Bhilai-Koradi |

*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) | Comments |
|--|--|--------------------------|---------------------------------|--------------------|-------------------------------------|--|--|--|
| ER | | | | | | | | |
| NR# | 1st January 2013 to 3rd January 2013 | 00-17 23-24 17-23 | 4050 | 500 | 3550 | 2550 | 1000 | LTA revised due to commissioning of CGPL unit-30. |
| | 4th January 2013 | 00-17 23-24 17-23 | 4050 3950 | 500 | 3550 3450 | 2550 2550 | 1000 900 | Revised due to emergency shutdown of 400 KV Kahalgaon - Bihar Shariff - II |
| | 5th January 2013 to 15th January 2013 | 00-17 23-24 17-23 | 4050 | 500 | 3550 3550 | 2550 2550 | 1000 1000 | |
| | 16th January 2013 to 17th January 2013 | 00-09 18-24 09-18' | 4050 3950 | 500 | 3550 3450 | 2550 | 1000 900 | Revised due to Shutdown of 220kV Kota-Badod |
| | 18th January 2013 | 00-11 19-24 11-19' | 4050 3610 | 500 | 3550 3110 | 2550 2550 | 1000 560 | Revised due to Emergency shutdown of 400KV Malda-New Purnea-I |
| | 19th January 2013 to 21st January 2013 | 00-17 23-24 17-23 | 4050 | 500 | 3550 3550 | 2550 2550 | 1000 1000 | |
| | 22nd January 2013 to 31st January 2013 | 00-17 23-24 17-23 | 4050 | 500 | 3550 3550 | 2810 2810 | 740 740 | LTA/MTOA revised due to COD of CGPL unit-40. |
| | 23rd January 2013 to 25th January 2013 | 00-09 18-24 09-18' | 4050 3500 | 500 | 3550 3000 | 2810 2540 | 740 460 | Revised to Shutdown of (1)400kV Banka-Bihar Shariff-1 on 23.01.13 from 09 to 17 hrs. (2)400kV Banka-Kahalgaon-1 on 24.01.13 from 09 to 17 hrs. (3)400kV Banka-Kahalgaon-2 on 25.01.13 from 09 to 17 hrs. |
| | 26th January 2013 to 27th January 2013 | 00-17 23-24 17-23 | 4050 | 500 | 3550 | 2810 2810 | 740 740 | |
| | 28th January 2013 | 00-09 18-24 09-18' | 4050 3500 | 500 | 3550 3000 | 2810 2540 | 740 460 | Revised to Shutdown of (1)400kV Banka-Bihar Shariff-2 on 28.01.13 from 09 to 17 hrs. |
| | 29th January 2013 to 31st January 2013 | 00-17 23-24 17-23 | 4050 | 500 | 3550 | 2810 2810 | 740 740 | |
| | 1st January 2013 to 15th January 2013 | 00-17 23-24 17-23 | 450 450 | 35 | 415 415 | 182 186 | 233 229 | |
| | 16th January 2013 to 17th January 2013 | 00-08 17-24 08-17' | 450 240 | 35 | 415 205 | 182 205 | 233 0 | 1. Revised due to Shutdown of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13. |
| | 18th January 2013 | 00-08 19-24 08-19' | 450 240 | 35 | 415 205 | 182 205 | 233 0 | 2. Revised due to Emergency shutdown of 400KV Malda-New Purnea-I on 18.01.13. |
| | 19th January 2013 | 00-08 17-24 08-17' | 450 240 | 35 | 415 205 | 182 205 | 233 0 | |
| 20th January 2013 to 22nd January 2013 | 00-17 23-24 17-23 | 450 450 | 35 | 415 415 | 182 186 | 233 229 | | |
| 23rd January 2013 to 25th January 2013 | 00-09 18-24 09-18' | 450 300 | 35 | 415 265 | 182 186 | 233 79 | Revised to Shutdown of (1)400kV Banka-Bihar Shariff-1 on 23.01.13 from 09 to 17 hrs. (2)400kV Banka-Kahalgaon-1 on 24.01.13 from 09 to 17 hrs. (3)400kV Banka-Kahalgaon-2 on 25.01.13 from 09 to 17 hrs. | |
| 26th January 2013 to 27th January 2013 | 00-17 23-24 17-23 | 450 450 | 35 | 415 415 | 182 186 | 233 229 | | |
| 28th January 2013 | 00-09 18-24 09-18' | 450 300 | 35 | 415 265 | 182 186 | 233 79 | Revised to Shutdown of (1)400kV Banka-Bihar Shariff-2 on 28.01.13 from 09 to 17 hrs. | |
| 29th January 2013 to 31st January 2013 | 00-17 23-24 17-23 | 450 450 | 35 | 415 415 | 182 186 | 233 229 | | |

Simultaneous Import Capability

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|----------------|---------------------------------------|--------------------------|---------------------------------|--------------------|-------------------------------------|--|--|--|
| WR | | | | | | | | |
| SR | 1st January 2013 to 7th January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | |
| | | 10-19 | | | 1950* | | 788* | |
| | | 05-10 19-24 | 1950* | | 1950* | | 788* | |
| | 8th January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | Revised due to shutdown of 400 kV Baripada-Kharagpur-Kolaghat. |
| | | 17-19 | | | 1950* | | 788* | |
| | | 05-07' 19-24 | 1950* | | 1750* | | 588* | |
| | | 07-10' 10-17' | 1750* | | 1750 | | 588 | |
| | 9th January 2013 to 12th January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | |
| | | 10-19 | | | 1950* | | 788* | |
| | | 05-10 19-24 | 1950* | | 1950* | | 788* | |
| | 13th January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | Revised due to shutdown of HVDC Talcher-Kolar Pole 1 |
| | | 05-19' | 1170 | | 1170 | | 8 | |
| | | 19-24 | 1950* | | 1950* | | 788* | |
| | 14th January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | Revised due to shutdown of HVDC Talcher-Kolar Pole 2 |
| | | 05-19' | 0 | | 0 | | 0 | |
| | | 19-24 | 1950* | | 1950* | | 788* | |
| | 15th January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | Revised due to shutdown of 400 KV Kolaghat - Baripada |
| | | 16-19 | | | 1750 | | 588 | |
| | | 07-16' 05-07 19-24 | 1750 | | 1750 | | 788* | |
| | 16th January 2013-31st January 2013 | 00-05 | 1830 | 0 | 1830 | 1162 | 668 | |
| | | 10-19 | | | 1950* | | 788* | |
| 05-10 19-24 | | 1950* | 1950* | | 788* | | | |

* additional 250 MW can be transferred to SR if injection point is South Odisha

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) | Comments |
|--|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|---|
| ER-NR + ER-NER | 1st January 2013 to 31st January 2013 | 00-17 23-24 | 2700 | 350 | 2350 | 1395 | 955 | |
| | | 17-23 | 2700 | | 2350 | 1397 | 953 | |
| NR | 1st January 2013 to 31st January 2013 | 00-24 | 2300 | 500 | 1800 | 286 | 1514 | |
| NER# | 1st January 2013 to 15th January 2013 | 00-17 23-24 | 600 | 100 | 500 | 0 | 500 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | 16th January 2013 to 17th January 2013 | 00-08 23-24 | 600 | 100 | 500 | 0 | 500 | 1. Revised due to Shutdown of 400 kV Balipara – Bongaigaon II from 16.01.13 to 19.01.13. 2. Revised due to Emergency shutdown of 400kV Malda-New Purnea-I on 18.01.13. |
| | | 08-17' | 100 | | 0 | | 0 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | 18th January 2013 | 00-08 23-24 | 600 | 100 | 500 | 0 | 500 | |
| | | 08-19' | 100 | | 0 | | 0 | |
| | | 19-23 | 300 | | 200 | | 200 | |
| | 19th January 2013 | 00-08 23-24 | 600 | 100 | 500 | 0 | 500 | |
| | | 08-17' | 100 | | 0 | | 0 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | 20th January 2013 to 26th January 2013 | 00-17 23-24 | 600 | 100 | 500 | 0 | 500 | |
| | | 17-23 | 300 | | 200 | | 200 | |
| | 27th January 2013 to 29th January 2013 | 00-08 23-24 | 600 | 100 | 500 | 0 | 500 | |
| 08-17' | | 430 | 330 | | 330 | | | |
| 17-23 | | 300 | 200 | | 200 | | | |
| 30th January 2013 to 31st January 2013 | 00-17 23-24 | 600 | 100 | 500 | 0 | 500 | | |
| | 17-23 | 300 | | 200 | | 200 | | |
| WR | | | | | | | | |
| SR | 1st January 2013 to 31st January 2013 | 00-17 23-24 | 1700 | 0 | 1700 | 197 | 1503 | |
| | | 17-23 | 1700 | | 1700 | | 1503 | |

Limiting Constraints

| | | |
|----------------|--------|--|
| NR | Import | (n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 400 kV Bina-Gwalior* |
| | Export | (n-1) contingency of 400 kV Pusauli-Biharsharif |
| NER | Import | High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV 315 MVA ICT at Misa* (n-1) contingency of 400 kV Farakka-Malda* |
| | Export | High loading of 132 kV LTSPS - Marian (n-1) contingency of 400 kV Binaguri-Bongaigaon* |
| SR | Import | (n-1) Contingency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala 1 (n-1) contingency of 400 kV Rourkela-Talcher* Low Voltage in Chennai Area (n-1) contingency of 400 kV Vijaywada-Nellore |
| | Export | (n-1) contingency of Chandrapur-Parli (n-1) contingency of 400 kV Maithon Kahalgaoon (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur |
| ER-NR + ER-NER | Export | (n-1) contingency of 400 kV Farakka-Malda* |

ASSUMPTIONS IN BASECASE

| 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 | 5260 | 3870 | 2340 | 2200 |
| 2 | Haryana | 5160 | 4690 | 3430 | 3430 |
| 3 | Rajasthan | 7310 | 6600 | 3980 | 3950 |
| 4 | Delhi | 4060 | 3400 | 1420 | 1420 |
| 5 | Uttar Pradesh | 10550 | 9300 | 5310 | 5220 |
| 6 | Jammu & Kashmir | 1990 | 1400 | 310 | 250 |
| 7 | Uttarakhand | 1330 | 1100 | 500 | 280 |
| 8 | Himachal Pradesh | 1060 | 970 | 250 | 150 |
| 9 | Chandigarh | 250 | 100 | 0 | 0 |
| 10 | ISGS | | | 15860 | 10570 |
| | Total NR | 36970 | 31430 | 33400 | 27470 |
| II | EASTERN REGION | | | | |
| 1 | West Bengal | 5300 | 4150 | 4600 | 3950 |
| 2 | Jharkhand | 900 | 850 | 390 | 390 |
| 3 | Orissa | 3000 | 2500 | 2800 | 2090 |
| 4 | Bihar | 1500 | 1300 | 130 | 130 |
| 5 | Damodar Valley Corporation | 2200 | 1900 | 1550 | 1550 |
| 6 | Sikkim | 60 | 60 | 0 | 0 |
| 7 | Bhutan | 110 | 110 | 1400 | 1400 |
| 8 | ISGS | | | 6300 | 5900 |
| | Total ER | 13070 | 10870 | 17170 | 15410 |
| III | WESTERN REGION | | | | |
| 1 | Chattisgarh | 2770 | 2140 | 2520 | 1990 |
| 2 | Madhya Pradesh | 7650 | 6230 | 3440 | 2800 |
| 3 | Maharashtra | 15660 | 11910 | 13110 | 9450 |
| 4 | Gujarat | 9910 | 7880 | 9930 | 7560 |
| 5 | Goa | 330 | 200 | | |
| 6 | Daman and Diu | 220 | 160 | | |
| 7 | Dadra and Nagar Haveli | 530 | 240 | | |
| 8 | ISGS | | | 13260 | 11700 |
| | Total WR | 37070 | 28760 | 42260 | 33500 |
| IV | SOUTHERN REGION | | | | |
| 1 | Andhra Pradesh | 10480 | 9150 | 7830 | 5880 |
| 2 | Tamil Nadu | 10120 | 8950 | 4960 | 3800 |
| 3 | Karnataka | 7640 | 6100 | 4500 | 3440 |
| 4 | Kerala | 3240 | 2420 | 900 | 580 |
| 5 | Pondy | 300 | 240 | | |
| 6 | Goa | 80 | 80 | | |
| 7 | ISGS | | | 11520 | 11300 |
| | Total SR | 31860 | 26940 | 29710 | 25000 |
| V | NORTH-EASTERN REGION | | | | |
| 1 | Manipur | 100 | 60 | 0 | 0 |
| 2 | Meghalaya | 280 | 170 | 110 | 70 |
| 3 | Mizoram | 70 | 40 | 10 | 10 |
| 4 | Nagaland | 80 | 60 | 10 | 10 |
| 5 | Assam | 880 | 570 | 270 | 220 |
| 6 | Tripura | 210 | 150 | 100 | 90 |
| 7 | Arunachal Pradesh | 100 | 30 | 0 | 0 |
| 8 | ISGS | 0 | 0 | 820 | 420 |
| | Total NER | 1720 | 1080 | 1320 | 820 |
| | Total All India | 120690 | 99080 | 123860 | 102200 |