

National Load Despatch Centre
Total Transfer Capability for January 2016

Issue Date: 26/01/2016

Issue Time: 1300 hrs

Revision No. 23

| 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 Jan 2016 to 31st Jan 2016 | 00-24 | 2500 | 500 | 2000 | 706 | 1294 | | |
| WR-NR* | 1st Jan 2016 to 4th Jan 2016 | 00-24 | 7700 | 500 | 7200 | 6103 | 1097 | | |
| | 5th Jan 2016 to 6th Jan 2016 | 00-09 | 7700 | 500 | 7200 | 6103 | 1097 | | |
| | | 09-24' | 7200 | | 6700 | | 597 | | |
| | 7th Jan 2016 to 14th Jan 2016 | 00-24 | 7700 | 500 | 7200 | 6103 | 1097 | | |
| | 15th Jan 2016 | 00-09 | 6200 | 500 | 5700 | 6103 | 0 | | |
| | | 09-22' | 7700 | | 7200 | | 1097 | | |
| | | 22-24' | 6200 | | 5700 | | 0 | | |
| | 16th Jan 2016 to 17th Jan 2016 | 00-09 | 4200 | 500 | 3700 | 6103 | 0 | | |
| | | 09-22' | 4200 | | 3700 | | 0 | | |
| | | 22-24' | 4200 | | 3700 | | 0 | | |
| | 18th Jan 2016 to 21st Jan 2016 | 00-09 | 4200 | 500 | 3700 | 6103 | 0 | | |
| | | 09-22' | 4200 | | 3700 | | 0 | | |
| | | 22-24' | 4200 | | 3700 | | 0 | | |
| | 22nd Jan 2016 | 00-09 | 4200 | 500 | 3700 | 6103 | 0 | | |
| | | 09-22' | 4200 | | 3700 | | 0 | | |
| | | 22-24' | 4200 | | 3700 | | 0 | | |
| | 23rd Jan 2016 | 00-09 | 6200 | 500 | 5700 | 6103 | 0 | | |
| | | 09-22' | 7700 | | 7200 | | 1097 | | |
| | | 22-24' | 6200 | | 5700 | | 0 | | |
| | 24th Jan 2016 | 00-08 | 6200 | 500 | 5700 | 6103 | 0 | | |
| | | 08-09 | 4200 | | 3700 | | 0 | | |
| | | 09-22' | 4200 | | 3700 | | 0 | | |
| | | 22-24' | 4200 | | 3700 | | 0 | | |
| | 25th Jan 2016 | 00-09 | 6200 | 500 | 5700 | 6103 | 0 | | |
| | | 09-22' | 6400 | | 5900 | | -203 | | |
| | | 22-24' | 6200 | | 5700 | | 0 | | |
| | 26th Jan 2016 | 00-09 | 6200 | 500 | 5700 | 6103 | 0 | | |
| | | 09-22' | 7700 | | 7200 | | 1097 | | |
| | | 22-24' | 6200 | | 5700 | | 0 | | |
| | 27th Jan 2016 to 28th Jan 2016 | 00-08 | 7000 | 500 | 6500 | 6103 | 397 | 800 | Revised considering shutdown of one circuit of 765 kV Gwalior - Phagi D/C and the present inter regional flow pattern |
| 08-09' | | 6500 | 6000 | | 0 | | 300 | | |
| 09-22' | | 6500 | 6000 | | 0 | | -1200 | | |
| 22-24' | | 7000 | 6500 | | 397 | | 800 | | |
| 29th Jan 2016 to 31st Jan 2016 | 00-09 | 6200 | 500 | 5700 | 6103 | 0 | | | |
| | 09-22' | 7700 | | 7200 | | 1097 | | | |
| | 22-24' | 6200 | | 5700 | | 0 | | | |
| NR-ER* | 1st Jan 2016 to 31st Jan 2016 | 00-06 | 2000 | 200 | 1800 | 293 | 1507 | | |
| | | 06-18' | 2000 | | 1800 | 358 | 1442 | | |
| | | 18-24 | 2000 | | 1800 | 293 | 1507 | | |
| ER-NR* | 1st Jan 2016 to 31st Jan 2016 | 00-24 | 3800 | 300 | 3500 | 2431 | 1069 | | |
| W3-ER^s | 1st Jan 2016 to 31st Jan 2016 | 00-24 | No limit is being specified. No Re-routing is allowed via W3-ER-NR. | | | | | | |
| ER-W3 | 1st Jan 2016 to 31st Jan 2016 | 00-24 | No limit is being specified. | | | | | | |
| | 1st Jan 2016 to 2nd Jan 2016 | 00-24 | 3500 | 750 | 2750 | 3250 | 0 | | |
| | 3rd Jan 2016 | 00-24 | 1000 | 500 | 500 | 3250 | 0 | | |
| | 4th Jan 2016 | 00-24 | 1000 | 500 | 500 | 3250 | 0 | | |

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|--------------------------------|-------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------|-------------------------------------|----------|
| WR-SR | 5th Jan 2016 | 00-24 | 1000 | 500 | 500 | 3250 | 0 | | |
| | 6th Jan 2016 | 00-24 | 1000 | 500 | 500 | 3250 | 0 | | |
| | 7th Jan 2016 | 00-24 | 1000 | 500 | 500 | 3250 | 0 | | |
| | 8th Jan 2016 | 00-24 | 3500 | 750 | 2750 | 3250 | 0 | | |
| | 9th Jan 2016 | 00-01 | 3500 | 750 | 2750 | 3250 | 0 | | |
| | | 01-06 | 4000 | 750 | 3250 | 3250 | 0 | | |
| | 06-24 | 3500 | 750 | 2750 | 3250 | 0 | | | |
| 10th Jan 2016 to 12th Jan 2016 | 00-24 | 4000 | 750 | 3250 | 3250 | 0 | | | |
| 13th Jan 2016 to 31st Jan 2016 | 00-24 | 4000 | 750 | 3250 | 3250 | 0 | | | |
| SR-WR * | 1st Jan 2016 to 31st Jan 2016 | 00-24 | No limit is being Specified. | | | | | | |

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|-------------------------------|--------------------------------|-------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------|-------------------------------------|----------|--|
| ER-SR | 1st Jan 2016 to 6th Jan 2016 | 00-06 | 2650 | 0 | 2650 | 2585 | 65 | | | |
| | | 18-24 | | | | | | | | |
| | | 06-18' | | | | 2650 | 0 | | | |
| | 7th Jan 2016 | 00-06 | 2650 | 0 | 2650 | 2585 | 65 | | | |
| | | 06-18' | 2650 | | 2650 | 2650 | 0 | | | |
| | | 18-24 | 2650 | | 2650 | 2585 | 65 | | | |
| | 8th Jan 2016 | 00-05 | 2650 | 0 | 2650 | 2585 | 65 | | | |
| | | 05-06' | 2650 | | 2650 | 2585 | 65 | | | |
| | | 06-18' | 2650 | | 2650 | 2650 | 0 | | | |
| | | 18-24 | 2650 | | 2650 | 2585 | 65 | | | |
| | 9th Jan 2016 | 00-05 | 2650 | 0 | 2650 | 2585 | 65 | | | |
| | | 05-06' | 650 | | 650 | 2650 | 0 | | | |
| | | 06-24' | 650 | | 650 | 2585 | 0 | | | |
| | 10th Jan 2016 to 13th Jan 2016 | 00-05 | 1650 | 0 | 1650 | 2585 | 0 | | | |
| | | 05-06' | 650 | | 650 | 2650 | 0 | | | |
| | | 06-24' | 650 | | 650 | 2585 | 0 | | | |
| | 14th Jan 2016 to 19th Jan 2016 | 00-06 | 2650 | 0 | 2650 | 2585 | 65 | | | |
| | | 18-24 | | | | | | | | |
| | | 06-18' | | | | 2650 | 0 | | | |
| | 20th Jan 2016 to 23rd Jan 2016 | 00-06 | 2650 | 0 | 2650 | 2585 | 0 | | | |
| | | 06-07 | | | | | | | | |
| | | 07-18 | | | | 2350 | 0 | | | |
| | | 18-24 | | | | 2350 | 0 | | | |
| | 24th Jan 2016 to 31st Jan 2016 | 00-06 | 2650 | 0 | 2650 | 2585 | 65 | | | |
| 18-24 | | | | | | | | | | |
| 06-18' | | 2650 | | | | 0 | | | | |
| SR-ER * | 1st Jan 2016 to 31st Jan 2016 | 00-24 | No limit is being Specified. | | | | | | | |
| ER-NER | 1st Jan 2016 to 4th Jan 2016 | 00-17 | 1160 | 45 | 1115 | 210 | 905 | | | |
| | | 23-24 | | | | | | | | |
| | | 17-23 | 1100 | | 1055 | | 845 | | | |
| | 5th Jan 2016 | 00-17 | 1160 | 45 | 1115 | 210 | 905 | | | |
| | | 17-19 | 1160 | | 1115 | | 905 | | | |
| | | 19-23 | 1340 | | 1295 | | 1085 | | | |
| | | 23-24 | 1400 | | 1355 | | 1145 | | | |
| | 6th Jan 2016 to 31st Jan 2016 | 00-17 | 1400 | 45 | 1355 | 210 | 1145 | | | |
| | | 23-24 | 1340 | | 1295 | | 1085 | | | |
| | NER-ER | 1st Jan 2016 to 4th Jan 2016 | 00-17 | 1110 | 45 | 1065 | 0 | 1065 | | |
| | | | 23-24 | | | | | | | |
| | | | 17-23 | 950 | | 905 | | 905 | | |
| 5th Jan 2016 | | 00-17 | 1110 | 45 | 1065 | 0 | 1065 | | | |
| | | 17-19 | 950 | | 905 | | 905 | | | |
| | | 19-23 | 1340 | | 1295 | | 1295 | | | |
| | | 23-24 | 1330 | | 1285 | | 1285 | | | |
| 6th Jan 2016 to 31st Jan 2016 | | 00-17 | 1330 | 45 | 1285 | 0 | 1285 | | | |
| | | 23-24 | 1340 | | 1295 | | 1295 | | | |
| W3 zone Injection | | 1st Jan 2016 to 31st Jan 2016 | 00-24 | No limit is being specified (in case of skewed inter-regional flows or any constraints appearing in the system, W3 zone export would be revised accordingly) | | | | | | |

Note: TTC/ATC of S1-S2 corridor, Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.

* 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).

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

\$ 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.

1) S1 comprises of Telangana, AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Puducherry

2) W3 comprises of the following regional entities :

a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, 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) KWPCCL, n)Vandana Vidut

The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned the LTA/MTOA utilized would vary. RLDC/NLDC would factor this situation on day-ahead basis.

In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.

In case of TTC Revision due to any shutdown :

1) The TTC value will be revised to normal values after restoration of shutdown.

2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.

Limiting Constraints

| Corridor | Constraint |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NR-WR | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. |
| WR-NR | 1. (n-1) Contingency of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. 2.High Loading of 400kV Singrauli-Anpara S/C. |
| NR-ER | (n-1) contingency of 400 kV Saranath-Pusauli |
| ER-NR | 1. n-1 contingency of one circuit of 400 kV Biharshariff- Lakhisarai leads to high loading on the other circuit |
| WR-SR & ER-SR | (n-1) contingency of one circuit of 765 kV Raichur - Sholapur will lead to 2500 MW loading on the other circuit Low Voltage at Gazuwaka (East) Bus. |
| ER-NER | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa. n-1 contingency of 400/132 kV, 2 x 200 MVA ICTs at Silchar |
| NER-ER | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa |
| W3 zone Injection | --- |

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 | | | | | | | | | |
| NR | 1st Jan 2016 to 4th Jan 2016 | 00-05 | 11000 | 800 | 10200 | 8534 | 1666 | | |
| | | 05-08' | 11100 | | 10300 | | 1766 | | |
| | | 08-19' | 11000 | | 10200 | | 1666 | | |
| | | 19-24 | 10250 | | 9450 | | 916 | | |
| | | 00-05 | 11000 | | 10200 | | 1666 | | |
| | 5th Jan 2016 | 05-08' | 11100 | 800 | 10300 | 8534 | 1766 | | |
| | | 08-09' | 11000 | | 10200 | | 1666 | | |
| | | 09-19' | 10300 | | 9500 | | 966 | | |
| | | 19-24 | 9600 | | 8800 | | 266 | | |
| | | 00-05 | 11000 | | 10200 | | 1666 | | |
| | 7th Jan 2016 to 14th Jan 2016 | 05-08' | 11100 | 800 | 10300 | 8534 | 1766 | | |
| | | 08-19' | 11000 | | 10200 | | 1666 | | |
| | | 19-24 | 10250 | | 9450 | | 916 | | |
| | | 00-09 | 8850 | | 8050 | | 0 | | |
| | | 09-19' | 11000 | | 10200 | | 1666 | | |
| | 15th Jan 2016 | 19-22 | 10250 | 800 | 9450 | 8534 | 916 | | |
| | | 22-24 | 8300 | | 7500 | | 0 | | |
| | | 00-09 | 6000 | | 5200 | | 0 | | |
| | | 09-19' | 6000 | | 5200 | | 0 | | |
| | | 19-22 | 5600 | | 4800 | | 0 | | |
| | 16th Jan 2016 to 17th Jan 2016 | 22-24 | 5600 | 800 | 4800 | 8534 | 0 | | |
| | | 00-09 | 6000 | | 5200 | | 0 | | |
| | | 09-19' | 6000 | | 5200 | | 0 | | |
| | | 19-22 | 5600 | | 4800 | | 0 | | |
| | | 22-24 | 5600 | | 4800 | | 0 | | |
| | 18th Jan 2016 to 21st Jan 2016 | 00-09 | 6000 | 800 | 5200 | 8534 | 0 | | |
| | | 09-19' | 6000 | | 5200 | | 0 | | |
| | | 19-22 | 5600 | | 4800 | | 0 | | |
| | | 22-24 | 5600 | | 4800 | | 0 | | |
| | | 00-09 | 6000 | | 5200 | | 0 | | |
| | 22nd Jan 2016 | 09-19' | 6000 | 800 | 5200 | 8534 | 0 | | |
| | | 19-22 | 5600 | | 4800 | | 0 | | |
| | | 22-24 | 5600 | | 4800 | | 0 | | |
| | | 00-09 | 8850 | | 8050 | | 0 | | |
| | | 09-19' | 11000 | | 10200 | | 1666 | | |
| | 23rd Jan 2016 | 19-22 | 10250 | 800 | 9450 | 8534 | 916 | | |
| | | 22-24 | 8300 | | 7500 | | 0 | | |
| | | 00-08 | 8850 | | 8050 | | 0 | | |
| | | 08-09 | 6000 | | 5200 | | 0 | | |
| | | 09-19' | 6000 | | 5200 | | 0 | | |
| | 24th Jan 2016 | 19-22 | 5600 | 800 | 4800 | 8534 | 0 | | |
| | | 22-24 | 5600 | | 4800 | | 0 | | |
| | | 00-09 | 8850 | | 8050 | | 0 | | |
| | | 09-19' | 9150 | | 8350 | | 0 | | |
| | | 19-22 | 8500 | | 7700 | | 0 | | |
| | 25th Jan 2016 | 22-24 | 8300 | 800 | 7500 | 8534 | 0 | | |
| | | 00-09 | 8850 | | 8050 | | 0 | | |
| | | 09-19' | 11000 | | 10200 | | 1666 | | |
| | | 19-22 | 10250 | | 9450 | | 916 | | |
| | | 22-24 | 8300 | | 7500 | | 0 | | |
| | 26th Jan 2016 | 00-08 | 8250 | 800 | 7450 | 8534 | 0 | -600 | Revised considering shutdown of one circuit of 765 kV Gwalior - Phagi D/C and the present inter regional flow pattern |
| | | 08-09 | 7650 | | 6850 | | 0 | -1200 | |
| 09-19' | | 7650 | 6850 | | 0 | | -3350 | | |
| 19-22 | | 7650 | 6850 | | 0 | | -2600 | | |
| 22-24 | | 8250 | 7450 | | 0 | | -50 | | |
| 29th Jan 2016 to 31st Jan 2016 | 00-09 | 8850 | 800 | 8050 | 8534 | 0 | | | |
| | 09-19' | 11000 | | 10200 | | 1666 | | | |
| | 19-22 | 10250 | | 9450 | | 916 | | | |
| | 22-24 | 8300 | | 7500 | | 0 | | | |

| | | | | | | | | | |
|-----------|-----------------------------------|--------|------|-----|------|------|------|--|--|
| NER | 1st Jan 2016 to 4th Jan 2016 | 00-17 | 1160 | 45 | 1115 | 210 | 905 | | |
| | | 23-24 | | | | | | | |
| | | 17-23 | 1100 | | 1055 | | 845 | | |
| | 5th Jan 2016 | 00-17 | 1160 | 45 | 1115 | 210 | 905 | | |
| | | 17-19 | 1160 | | 1115 | | 905 | | |
| | | 19-23 | 1340 | | 1295 | | 1085 | | |
| | | 23-24 | 1400 | | 1355 | | 1145 | | |
| | 6th Jan 2016 to 31st Jan 2016 | 00-17 | 1400 | 45 | 1355 | 210 | 1145 | | |
| | | 23-24 | | | | | | | |
| | | 17-23 | 1340 | | | 1085 | | | |
| WR | | | | | | | | | |
| SR | 1st Jan 2016 to 2nd Jan 2016 | 00-06 | 6150 | 750 | 5400 | 5835 | 0 | | |
| | | 06-18' | 6150 | | 5400 | 5900 | 0 | | |
| | | 18-24 | 6150 | | 5400 | 5835 | 0 | | |
| | 3rd Jan 2016 | 00-06 | 3650 | 500 | 3150 | 5835 | 0 | | |
| | | 06-18' | 3650 | | 3150 | 5900 | 0 | | |
| | | 18-24 | 3650 | | 3150 | 5835 | 0 | | |
| | 4th Jan 2016 | 00-06 | 3650 | 500 | 3150 | 5835 | 0 | | |
| | | 06-18' | 3650 | | 3150 | 5900 | 0 | | |
| | | 18-24 | 3650 | | 3150 | 5835 | 0 | | |
| | 5th Jan 2016 | 00-06 | 3650 | 500 | 3150 | 5835 | 0 | | |
| | | 06-18' | 3650 | | 3150 | 5900 | 0 | | |
| | | 18-24 | 3650 | | 3150 | 5835 | 0 | | |
| | 6th Jan 2016 | 00-06 | 3650 | 500 | 3150 | 5835 | 0 | | |
| | | 06-18' | 3650 | | 3150 | 5900 | 0 | | |
| | | 18-24 | 3650 | | 3150 | 5835 | 0 | | |
| | 7th Jan 2016 | 00-06 | 3650 | 500 | 3150 | 5835 | 0 | | |
| | | 06-18' | 3650 | | 3150 | 5900 | 0 | | |
| | | 18-24 | 3650 | | 3150 | 5835 | 0 | | |
| | 8th Jan 2016 | 00-05 | 6150 | 750 | 5400 | 5835 | 0 | | |
| | | 05-06' | 6150 | | 5400 | 5835 | 0 | | |
| | | 06-18' | 6150 | | 5400 | 5900 | 0 | | |
| | | 18-24 | 6150 | | 5400 | 5835 | 0 | | |
| | 9th Jan 2016 | 00-01 | 6150 | 750 | 5400 | 5835 | 0 | | |
| | | 01-05 | 6650 | | 5900 | 5835 | 65 | | |
| | | 05-06 | 4650 | | 3900 | 5835 | 0 | | |
| | | 06-18 | 4150 | | 3400 | 5900 | 0 | | |
| | 10th Jan 2016 to 13th Jan 2016 | 18-24 | 4150 | | 3400 | 5835 | 0 | | |
| | | 00-05 | 5650 | 750 | 4900 | 5835 | 0 | | |
| | | 05-06' | 4650 | | 3900 | 5835 | 0 | | |
| | | 06-18' | 4650 | | 3900 | 5900 | 0 | | |
| | 18-24 | 4650 | 3900 | | 5835 | 0 | | | |
| | 14th Jan 2016 to 19th Jan 2016 | 00-06 | 6650 | 750 | 5900 | 5835 | 65 | | |
| | | 06-18' | 6650 | | 5900 | 5900 | 0 | | |
| | | 18-24 | 6650 | | 5900 | 5835 | 65 | | |
| | 20th Jan 2016 to 23rd Jan 2016 | 00-06 | 6650 | 750 | 5900 | 5835 | 0 | | |
| | | 06-07' | 6650 | | 5900 | 5900 | 0 | | |
| | | 07-18' | 6350 | | 5600 | 5900 | 0 | | |
| | 24th Jan 2016 to 31st Jan 2016 | 18-24 | 6350 | | 5600 | 5835 | 0 | | |
| | | 00-06 | 6650 | 750 | 5900 | 5835 | 65 | | |
| | | 06-18' | 6650 | | 5900 | 5900 | 0 | | |
| | 18-24 | 6650 | 5900 | | 5835 | 65 | | | |

* 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).

* For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio:
 Margin in Simultaneous import of NR = A
 WR-NR ATC =B
 ER-NR ATC = C

 Margin for WR-NR applicants = A * B/(B+C)
 Margin for ER-NR Applicants = A * C/(B+C)

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 Jan 2016 to 31st Jan 2016 | 00-06 | 4500 | 700 | 3800 | 999 | 2801 | | |
| | | 06-18 | | | 3800 | 1064 | 2736 | | |
| | | 18-24 | 4500 | | 3800 | 999 | 2801 | | |
| NER | 1st Jan 2016 to 4th Jan 2016 | 00-17 | 1110 | 45 | 1065 | 0 | 1065 | | |
| | | 23-24 | 950 | | 905 | | 905 | | |
| | | 17-23 | | | 905 | | 905 | | |
| | 5th Jan 2016 | 00-17 | 1110 | 45 | 1065 | 0 | 1065 | | |
| | | 17-19 | 950 | | 905 | | 905 | | |
| | | 19-23 | 1340 | | 1295 | | 1295 | | |
| | | 23-24 | 1330 | | 1285 | | 1285 | | |
| | 6th Jan 2016 to 31st Jan 2016 | 00-17 | 1330 | 45 | 1285 | 0 | 1285 | | |
| | | 23-24 | 1340 | | 1295 | | 1295 | | |
| | | | | | | | | | |
| WR | | | | | | | | | |
| SR * | 1st Jan 2016 to 31st Jan 2016 | 00-24 | No limit is being Specified. | | | | | | |

* 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 Biharshariff- Lakhisarai S/C 1. (n-1) Contingency of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. |
| | Export | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli |
| NER | Import | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa. n-1 contingency of 400/132 kV, 2 x 200 MVA ICTs at Silchar |
| | Export | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa. |
| SR | Import | (n-1) contingency of one circuit of 765 kV Raichur - Sholapur will lead to 2500 MW loading on the other circuit Low Voltage at Gazuwaka (East) Bus. |

National Load Despatch Centre
Total Transfer Capability for January 2016

| Revision No | Date of Revision | Period of Revision | Reason for Revision | Corridor Affected |
|-------------|------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1 | 22/12/2015 | Whole month of January 2016 | STOA margin revised due to change in LTA/MTOA towards NR | WR-NR / import of NR |
| | | | Revised due to commissioning of 765 kV Aurangabad - Sholapur D/C, 400 kV Kolhapur - Kudgi D/C and 765 kV Raichur - Kurnool ckt 1 | WR-SR |
| | | | Revised due commissioning of new transmission elements | ER-NR |
| | | | Revised due commissioning of 765 kV Aurangabad-Sholapur D/C, 765 kV Dharamjaigarh - Jabalpur D/C and considering the present inter regional power flow pattern | W3 Zone injection |
| 2 | 31/12/2105 | 1/12/2015 to 5/12/2015 | Revised due to shutdown of HVDC Bhadrawati pole 1 | WR-SR/Import of SR |
| | | Whole month of January 2016 | Revised considering new new lines commissioned and outage of 220 kV Balipara - Samaguri | ER-NER/NER-ER |
| 3 | 2/1/2016 | 3/1/2016 | Revised due to Outage of 765kV Raichur-Sholapur ckt-2. | WR-SR/Import of SR |
| 4 | 3/1/2016 | 4/1/2016 | Revised due to Outage of 765kV Raichur-Sholapur ckt-2. | WR-SR/Import of SR |
| 5 | 4/1/2016 | 5/1/2016 | Revised due to Outage of 765kV Raichur-Sholapur ckt-2. | WR-SR/Import of SR |
| | | 5/1/2016 to 6/1/2016 | Revised due to emergency shutdown of 765/400kV ICT at Agra. | WR-NR / import of NR |
| 6 | 5/1/2016 | 6/1/2016 | Revised due to Outage of 765kV Raichur-Sholapur ckt-2. | WR-SR/Import of SR |
| 7 | 5/1/2016 | 5/1/2016 to 31/1/2016 | Revised due to restoration of 220 kV Balipara - Samaguri | ER-NER/NER-ER |
| 8 | 6/1/2016 | 5/1/2016 to 31/1/2016 | Revised due to shutdown of HVDC Talcher-Kolar Pole-1 & Pole-2. | ER-SR/ Import of SR |
| 9 | 7/1/2016 | 7/1/2016 | Revised due to Outage of 765kV Raichur-Sholapur ckt-2 and outage of one pole of HVDC Bhadrawati and due to rescheduling of shutdown of HVDC Talcher-Kolar Pole-1 & Pole-2. | WR-SR/ER-SR/Import of SR |
| | | 8/1/2016 to 11/1/2016 | Revised due to rescheduling of shutdown of HVDC Talcher-Kolar Pole-1 & Pole-2. | ER-SR/Import of SR |
| | | 12/1/2016 | Revised due to shutdown of HVDC Talcher-Kolar Pole-1 & Pole-2. | ER-SR/Import of SR |
| 10 | 8/1/2016 | 8/1/2016 to 12/1/2016 | Revised due to deferrment of shutdown of HVDC Talcher-Kolar Pole-1 & Pole-2 and Outage of one pole of HVDC Bhadrawati. | WR-SR/ER-SR/Import of SR |
| 11 | 8/1/2016 | 9/1/2016 to 13/1/2016 | Revised due to shutdown of HVDC Talcher-Kolar Pole-1 & Pole-2 and Outage of one pole of HVDC Bhadrawati. | ER-SR /Import of SR |

National Load Despatch Centre
Total Transfer Capability for January 2016

| Revision No | Date of Revision | Period of Revision | Reason for Revision | Corridor Affected |
|--------------------|-------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|
| 12 | 9/1/2016 | 9/1/2016 to 13/1/2016 | Revised due to restoration of pole-I of HVDC Bhadrawati. | WR-SR /Import of SR |
| 13 | 9/1/2016 | 9/1/2016 | Revised due to outage of pole-I of HVDC Bhadrawati. | WR-SR /Import of SR |
| 14 | 14/1/2016 | 15/1/2016 to 31/1/2016 | Revised due to Reduced Voltage Operation (RVO) Mode of Mundra-Mohindergarh HVDC and Rihand-Dadri HVDC. | WR-NR /Import of NR |
| 15 | 15/1/2016 | 16/1/2016 to 17/1/2016 | Revised due to Outage of 400kV Phagi-Bassi D/C and Outage of one ckt of 765kV Gwalior-Agra. | WR-NR /Import of NR |
| 16 | 17/1/2016 | 18/1/2016 to 21/1/2016 | Revised due to outage of one circuit of 400kV Phagi-Bassi and outage of one ckt of 765kV Gwalior-Agra. | WR-NR /Import of NR |
| 17 | 1/19/2016 | 20/01/16 to 23/01/16 | Revised due to the shutdown of 400 kV Jeypore-Indravati. | ER-SR/Import of SR |
| 18 | 21/1/2016 | 22/1/2016 to 23/1/2016 | Revised due to shutdown of 765kV Gwalior-Agra Ckt-2. | WR-NR /Import of NR |
| 19 | 22/1/2016 | 23/1/2016 | Revised due to deferrment of shutdown of 765kV Gwalior-Agra Ckt-2. | WR-NR /Import of NR |
| 20 | 23/1/2016 | 24/1/2016 | Revised due to shutdown of 765kV Gwalior-Agra Ckt-2. | WR-NR /Import of NR |
| 21 | 23/1/2016 | 24/1/2016 | Revised due to restoration of HVDC Rihand-Dari and the shutdown of 765 kV Gwalior-Agra-1 | WR-NR /Import of NR |
| 22 | 24/1/2016 | 25/1/2016 | Revised due to shutdown of one pole of HVDC Rihand - Dadri | WR-NR /Import of NR |
| 23 | 26/1/2016 | 27/1/2016 to 28/1/2016 | Revised considering shutdown of one circuit of 765 kV Gwalior - Phagi D/C and the present inter regional flow pattern | WR-NR /Import of NR |

| ASSUMPTIONS IN BASECASE | | | | | |
|-------------------------|----------------------------|----------------|--------------------|---------------------|---------------|
| | | | | Month : January '16 | |
| 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 | 5199 | 3202 | 2642 | 2259 |
| 2 | Haryana | 5948 | 3423 | 3088 | 3088 |
| 3 | Rajasthan | 9489 | 8509 | 5784 | 5708 |
| 4 | Delhi | 3966 | 2030 | 905 | 905 |
| 5 | Uttar Pradesh | 12457 | 12419 | 5395 | 5351 |
| 6 | Uttarakhand | 1665 | 1402 | 614 | 350 |
| 7 | Himachal Pradesh | 1392 | 1023 | 219 | 76 |
| 8 | Jammu & Kashmir | 2184 | 2517 | 379 | 155 |
| 9 | Chandigarh | 234 | 116 | 0 | 0 |
| 10 | ISGS/IPPs | 0 | 0 | 18010 | 10990 |
| | Total NR | 42534 | 34642 | 37036 | 28882 |
| II | EASTERN REGION | | | | |
| 1 | Bihar | 2642 | 1775 | 180 | 100 |
| 2 | Jharkhand | 1121 | 739 | 455 | 215 |
| 3 | Damodar Valley Corporation | 2466 | 1899 | 3485 | 2815 |
| 4 | Orissa | 3449 | 2379 | 2390 | 1576 |
| 5 | West Bengal | 6671 | 4388 | 4796 | 3378 |
| 6 | Sikkim | 98 | 64 | 0 | 0 |
| 7 | Bhutan | 245 | 245 | 352 | 0 |
| 8 | ISGS/IPPs | 602 | 599 | 10700 | 9171 |
| | Total ER | 17293 | 12089 | 22359 | 17255 |
| III | WESTERN REGION | | | | |
| 1 | Maharashtra | 20219 | 10937 | 14007 | 7706 |
| 2 | Gujarat | 12105 | 8961 | 8303 | 5316 |
| 3 | Madhya Pradesh | 9578 | 3649 | 5550 | 1333 |
| 4 | Chattisgarh | 3568 | 2205 | 2661 | 1570 |
| 5 | Daman and Diu | 283 | 203 | 0 | 0 |
| 6 | Dadra and Nagar Haveli | 798 | 562 | 0 | 0 |
| 7 | Goa-WR | 469 | 302 | 0 | 0 |
| 8 | ISGS/IPPs | 835 | 837 | 26803 | 19253 |
| | Total WR | 47856 | 27657 | 57324 | 35178 |

| | | | | | |
|----|----------------------|--------|--------|--------|--------|
| IV | SOUTHERN REGION | | | | |
| 1 | Andhra Pradesh | 6017 | 5521 | 5699 | 5264 |
| 2 | Telangana | 7012 | 5973 | 2713 | 2190 |
| 3 | Karnataka | 8161 | 7225 | 6446 | 5250 |
| 4 | Tamil Nadu | 13147 | 11563 | 7036 | 4865 |
| 5 | Kerala | 3409 | 2427 | 1687 | 701 |
| 6 | Pondy | 383 | 383 | 0 | 0 |
| 7 | Goa-SR | 89 | 89 | 0 | 0 |
| 8 | ISGS/IPPs | 0 | 0 | 12143 | 12143 |
| | Total SR | 38218 | 33181 | 35724 | 30413 |
| V | NORTH-EASTERN REGION | | | | |
| 1 | Arunachal Pradesh | 95 | 43 | 0 | 0 |
| 2 | Assam | 877 | 636 | 192 | 122 |
| 3 | Manipur | 98 | 58 | 0 | 0 |
| 4 | Meghalaya | 292 | 181 | 147 | 86 |
| 5 | Mizoram | 68 | 43 | 4 | 4 |
| 6 | Nagaland | 80 | 65 | 8 | 6 |
| 7 | Tripura | 190 | 88 | 85 | 85 |
| 8 | ISGS/IPPs | 0 | 0 | 1272 | 867 |
| | Total NER | 1700 | 1114 | 1708 | 1170 |
| | Total All India | 147602 | 108682 | 154151 | 112899 |