

**National Load Despatch Centre
Total Transfer Capability for April 2019**

Issue Date: 22nd April 2019

Issue Time: 1130 hrs

Revision No. 12

| 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 April 2019 to 30th April 2019 | 00-06 | 2500 | 500 | 2000 | 195 | 1805 | | |
| | | 06-18 | | | | 250 | 1750 | | |
| | | 18-24 | | | | 195 | 1805 | | |
| WR-NR* | 1st April 2019 to 30th April 2019 | 00-24 | 13250 | 500 | 12750 | 9485 | 3265 | | |
| | | | 12300** | | 11800** | 8535** | 3265** | | |
| NR-ER* | 1st April 2019 to 30th April 2019 | 00-06 | 2000 | 200 | 1800 | 193 | 1607 | | |
| | | 06-18 | 2000 | | 1800 | 303 | 1497 | | |
| | | 18-24 | 2000 | | 1800 | 193 | 1607 | | |
| ER-NR* | 1st April 2019 to 30th April 2019 | 00-24 | 5250 | 300 | 4950 | 3979 | 971 | | |
| W3-ER | 1st April 2019 to 30th April 2019 | 00-24 | No limit is being specified. | | | | | | |
| ER-W3 | 1st April 2019 to 30th April 2019 | 00-24 | No limit is being specified. | | | | | | |
| WR-SR | 1st April 2019 to 05th April 2019 | 00-05 | 5550 | 500 | 5050 | 4435 | 615 | | |
| | | 05-22 | 5550 | | 5050 | | 615 | | |
| | | 22-24 | 5550 | | 5050 | | 615 | | |
| | 6th April 2019 to 20th April 2019 | 00-05 | 5050 | 500 | 4550 | 4435 | 115 | | |
| | | 05-22 | 5050 | | 4550 | | 115 | | |
| | | 22-24 | 5050 | | 4550 | | 115 | | |
| | 21st April 2019 to 22nd April 2019 | 00-05 | 5050 | 500 | 4550 | 4435 | 115 | | |
| | | 05-22 | 5050 | | 4550 | | 115 | | |
| | | 22-24 | 5050 | | 4550 | | 115 | | |
| | 23rd April 2019 | 00-05 | 5050 | 500 | 4550 | 4435 | 115 | -500 | Due to non-revival of HVDC Block-2 at Bhadrawathi |
| | | 05-22 | 5050 | | 4550 | | 115 | -500 | |
| | | 22-24 | 5050 | | 4550 | | 115 | -500 | |
| 24th April 2019 to 30th April 2019 | 00-05 | 5550 | 500 | 5050 | 4435 | 615 | | | |
| | 05-22 | 5550 | | 5050 | | 615 | | | |
| | 22-24 | 5550 | | 5050 | | 615 | | | |
| SR-WR * | 1st April 2019 to 30th April 2019 | 00-24 | No limit is being Specified. | | | | | | |
| ER-SR | 1st April 2019 to 05th April 2019 | 00-06 | 4950 | 250 | 4700 | 2762 | 1938 | | |
| | | 06-18 | | | | 2847 | 1853 | | |
| | | 18-24 | | | | 2762 | 1938 | | |
| | 06th April 2019 | 00-06 | 4950 | 250 | 4700 | 2762 | 1938 | | |
| | | 06-0830 | 4950 | | 4700 | 2847 | 1853 | | |
| | | 0830-18 | 4650 | | 4400 | 2847 | 1553 | | |
| | | 18-24 | 4650 | | 4400 | 2762 | 1638 | | |
| | 07th April 2019 | 00-06 | 4950 | 250 | 4700 | 2762 | 1938 | | |
| | | 06-0830 | 4950 | | 4700 | 2847 | 1853 | | |
| | | 0830-18 | 4650 | | 4400 | 2847 | 1553 | | |
| | | 18-24 | 4650 | | 4400 | 2762 | 1638 | | |
| | 08th April 2019 to 13th April 2019 | 00-06 | 4950 | 250 | 4700 | 2762 | 1938 | | |
| | | 06-18 | | | | 2847 | 1853 | | |
| | | 18-24 | | | | 2762 | 1938 | | |
| | 14th April 2019 | 00-06 | 4950 | 250 | 4700 | 2762 | 1938 | | |
| | | 06-730 | 4950 | | 4700 | 2847 | 1853 | | |
| | | 730-18 | 4650 | | 4400 | 2847 | 1553 | | |
| | | 18-24 | 4650 | | 4400 | 2762 | 1638 | | |
| | 15th April 2019 to 30th April 2019 | 00-06 | 4950 | 250 | 4700 | 2762 | 1938 | | |
| | | 06-18 | | | | 2847 | 1853 | | |
| | | 18-24 | | | | 2762 | 1938 | | |

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| 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 |
|----------|------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| SR-ER * | 1st April 2019 to 30th April 2019 | 00-24 | No limit is being Specified. | | | | | | |
| ER-NER | 1st April 2019 | 00-08' | 1340 | 45 | 1295 | 265 | 1030 | | |
| | | 08-17' | 1180 | | 1135 | | 870 | | |
| | | 17-23 | 1150 | | 1105 | | 840 | | |
| | | 23-24 | 1180 | | 1135 | | 870 | | |
| | 2nd April 2019 | 00-17 | 1180 | 45 | 1135 | 265 | 870 | | |
| | | 17-23 | 1150 | | 1105 | | 840 | | |
| | | 23-24 | 1180 | | 1135 | | 870 | | |
| | 3rd April 2019 to 05th April 2019 | 00-17 | 1340 | 45 | 1295 | 265 | 1030 | | |
| | | 17-23 | 1410 | | 1365 | | 1100 | | |
| | | 23-24 | 1340 | | 1295 | | 1030 | | |
| | 06th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 1260 | | 1215 | | 889 | | |
| | | 17-23 | 1340 | | 1295 | | 969 | | |
| | | 23-24 | 1260 | | 1215 | | 889 | | |
| | 07th April 2019 to 10th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 11th April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 12th April 2019 to 13th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 14th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 1340 | | 1295 | | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 15th April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 16th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 17th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 1260 | | 1215 | | 889 | | |
| | | 17-23 | 1340 | | 1295 | | 969 | | |
| | | 23-24 | 1260 | | 1215 | | 889 | | |
| | 18th April 2019 to 21st April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 22nd April 2019 | 00-0930' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 930-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 23rd April 2019 to 30th April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |

**National Load Despatch Centre
Total Transfer Capability for April 2019**

Issue Date: 22nd April 2019

Issue Time: 1130 hrs

Revision No. 12

| 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 |
|------------------------------------|------------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NER-ER | 1st April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 1070 | | 1025 | | 1025 | | |
| | | 17-23 | 1100 | | 1055 | | 1055 | | |
| | | 23-24 | 1070 | | 1025 | | 1025 | | |
| | 2nd April 2019 | 00-17 | 1070 | 45 | 1025 | 0 | 1025 | | |
| | | 17-23 | 1100 | | 1055 | | 1055 | | |
| | | 23-24 | 1070 | | 1025 | | 1025 | | |
| | 3rd April 2019 to 05th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 06th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2090 | | 2045 | | 2045 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 07th April 2019 to 10th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 11th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 12th April 2019 to 13th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 14th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2260 | | 2215 | | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 15th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 16th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 17th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2090 | | 2045 | | 2045 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| 18th April 2019 to 21st April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | | |
| | 17-23 | 2310 | | 2265 | | 2265 | | | |
| | 23-24 | 2260 | | 2215 | | 2215 | | | |
| 22nd April 2019 | 00-0930' | 2260 | 45 | 2215 | 0 | 2215 | | | |
| | 930-17' | 2060 | | 2015 | | 2015 | | | |
| | 17-23 | 2030 | | 1985 | | 1985 | | | |
| | 23-24 | 2060 | | 2015 | | 2015 | | | |
| 23rd April 2019 to 30th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | | |
| | 17-23 | 2310 | | 2265 | | 2265 | | | |
| | 23-24 | 2260 | | 2215 | | 2215 | | | |

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| 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 |
|--------------------------|-----------------------------------|-------------------|---|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| W3 zone Injection | 1st April 2019 to 30th April 2019 | 00-24 | No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly) | | | | | | |

Note: TTC/ATC of S1-(S2&S3) corridor, Import of S3(Kerala), 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).

**Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

1) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala

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 Vidyut o) RKM, p) GMR Raikheda, q) Ind Barath and any other regional entity generator in Chhattisgarh

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.

| 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 April 2019 to 30th April 2019 | 00-06 | 17650 | 800 | 16850 | 13464 | 3386 | | |
| | | | 16700** | | 15900** | | 3386** | | |
| | | 06-17 | 18900 | | 18100 | | 4636 | | |
| | | | 17950** | | 17150** | | 4636** | | |
| | 17-24 | 17000 | | 16200 | | 2736 | | | |
| | | | 16050** | | 15250** | | 2736** | | |
| NER | 1st April 2019 | 00-08' | 1340 | 45 | 1295 | 265 | 1030 | | |
| | | 08-17' | 1180 | | 1135 | | 870 | | |
| | | 17-23 | 1150 | | 1105 | | 840 | | |
| | | 23-24 | 1180 | | 1135 | | 870 | | |
| | 2nd April 2019 | 00-17 | 1180 | 45 | 1135 | 265 | 870 | | |
| | | 17-23 | 1150 | | 1105 | | 840 | | |
| | | 23-24 | 1180 | | 1135 | | 870 | | |
| | 06th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 1260 | | 1215 | | 889 | | |
| | | 17-23 | 1340 | | 1295 | | 969 | | |
| | | 23-24 | 1260 | | 1215 | | 889 | | |
| | 07th April 2019 to 10th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 11th April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 12th April 2019 to 13th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 14th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 1340 | | 1295 | | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 15th April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| | | 23-24 | 1340 | | 1295 | | 969 | | |
| | 16th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 08-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| 23-24 | | 910 | 865 | | 539 | | | | |
| 17th April 2019 | 00-08' | 1340 | 45 | 1295 | 326 | 969 | | | |
| | 08-17' | 1260 | | 1215 | | 889 | | | |
| | 17-23 | 1340 | | 1295 | | 969 | | | |
| | 23-24 | 1260 | | 1215 | | 889 | | | |
| 18th April 2019 to 21st April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | | |
| | 17-23 | 1410 | | 1365 | | 1039 | | | |
| | 23-24 | 1340 | | 1295 | | 969 | | | |

| | | | | | | | | | |
|------------------------------------|------------------------------------|----------|-------|------|------|------|------|---|--|
| NER | 22nd April 2019 | 00-0930' | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 930-17' | 910 | | 865 | | 539 | | |
| | | 17-23 | 1070 | | 1025 | | 699 | | |
| | | 23-24 | 910 | | 865 | | 539 | | |
| | 23rd April 2019 to 30th April 2019 | 00-17 | 1340 | 45 | 1295 | 326 | 969 | | |
| | | 17-23 | 1410 | | 1365 | | 1039 | | |
| 23-24 | | 1340 | 1295 | | 969 | | | | |
| WR | | | | | | | | | |
| SR | 1st April 2019 to 05th April 2019 | 00-06 | 10500 | 750 | 9750 | 7197 | 2553 | | |
| | | 06-18 | 10500 | | 9750 | 7282 | 2468 | | |
| | | 18-24 | 10500 | | 9750 | 7197 | 2553 | | |
| | 06th April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | | |
| | | 06-0830 | 10000 | | 9250 | 7282 | 1968 | | |
| | | 0830-18 | 9700 | | 8950 | 7282 | 1668 | | |
| | | 18-24 | 9700 | | 8950 | 7197 | 1753 | | |
| | 07th April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | | |
| | | 06-0830 | 10000 | | 9250 | 7282 | 1968 | | |
| | | 0830-18 | 9700 | | 8950 | 7282 | 1668 | | |
| | | 18-24 | 9700 | | 8950 | 7197 | 1753 | | |
| | 08th April 2019 to 13th April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | | |
| | | 06-18 | 10000 | | 9250 | 7282 | 1968 | | |
| | | 18-24 | 10000 | | 9250 | 7197 | 2053 | | |
| | 14th April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | | |
| | | 06-730 | 10000 | | 9250 | 7282 | 1968 | | |
| | | 730-18 | 9700 | | 8950 | 7282 | 1668 | | |
| | | 18-24 | 9700 | | 8950 | 7197 | 1753 | | |
| | 15th April 2019 to 20th April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | | |
| | | 06-18 | 10000 | | 9250 | 7282 | 1968 | | |
| | | 18-24 | 10000 | | 9250 | 7197 | 2053 | | |
| | 21st April 2019 to 22nd April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | | |
| | | 06-18 | 10000 | | 9250 | 7282 | 1968 | | |
| | | 18-24 | 10000 | | 9250 | 7197 | 2053 | | |
| 23rd April 2019 | 00-06 | 10000 | 750 | 9250 | 7197 | 2053 | -500 | Due to non-revival of HVDC Block-2 at Bhadrawathi | |
| | 06-18 | 10000 | | 9250 | 7282 | 1968 | -500 | | |
| | 18-24 | 10000 | | 9250 | 7197 | 2053 | -500 | | |
| 24th April 2019 to 30th April 2019 | 00-06 | 10500 | 750 | 9750 | 7197 | 2553 | | | |
| | 06-18 | 10500 | | 9750 | 7282 | 2468 | | | |
| | 18-24 | 10500 | | 9750 | 7197 | 2553 | | | |

* 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).

**Considering 400 kV Rihand stage-III - Vindhyaachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

* 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 April 2019 to 30th April 2019 | 00-06 | 4500 | 700 | 3800 | 388 | 3412 | | |
| | | 06-18 | | | 3800 | 553 | 3247 | | |
| | | 18-24 | | | 3800 | 388 | 3412 | | |
| NER | 1st April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 1070 | | 1025 | | 1025 | | |
| | | 17-23 | 1100 | | 1055 | | 1055 | | |
| | | 23-24 | 1070 | | 1025 | | 1025 | | |
| | 2nd April 2019 | 00-17 | 1070 | 45 | 1025 | 0 | 1025 | | |
| | | 17-23 | 1100 | | 1055 | | 1055 | | |
| | | 23-24 | 1070 | | 1025 | | 1025 | | |
| | 06th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2090 | | 2045 | | 2045 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 07th April 2019 to 10th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 11th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 12th April 2019 to 13th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 14th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2260 | | 2215 | | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 15th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 16th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 17th April 2019 | 00-08' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 08-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2090 | | 2045 | | 2045 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 18th April 2019 to 21st April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | 22nd April 2019 | 00-0930' | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 930-17' | 2060 | | 2015 | | 2015 | | |
| | | 17-23 | 2030 | | 1985 | | 1985 | | |
| | | 23-24 | 2060 | | 2015 | | 2015 | | |
| | 23rd April 2019 to 30th April 2019 | 00-17 | 2260 | 45 | 2215 | 0 | 2215 | | |
| | | 17-23 | 2310 | | 2265 | | 2265 | | |
| | | 23-24 | 2260 | | 2215 | | 2215 | | |
| | WR | | | | | | | | |
| SR * | 1st April 2019 to 30th April 2019 | 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 (Corridor wise)

| Corridor | Constraint | Applicable Revisions |
|----------------------|--|----------------------|
| NR-WR | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak | Rev-0 to 12 |
| WR-NR | (n-1) Contingency of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida. | Rev-0 to 1 |
| | RVO operation of HVDC Champa Kurukshetra Poles Reversal of BNC-Agra pole towards BNC & blocking of APD-Agra pole due to lean hydro period in NER | Rev-0 to 1 |
| | n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Agra (PG) will lead to overloading of the second ICT | Rev-2 to 12 |
| NR-ER | (n-1) contingency of 400 kV Saranath-Pusauli | Rev-0 to 12 |
| ER-NR | 1. N-1 contingencies of 400 kv Mejia-Maithon A S/c 2. N-1 contingencies of 400 kv Kahalgaon-Banka S/c 3. N-1 contingencies of 400kV MPL- Maithon S/C | Rev-0 to 12 |
| WR-SR and ER-SR | n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT | Rev-0 to 12 |
| | n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT | Rev-0 to 5,7,9-12 |
| | Low Voltage at Gazuwaka (East) Bus. | Rev-0 to 12 |
| ER-NER | a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line(200 MW) | Rev-0 to 4 |
| | a) N-1 contingency of either ckt of 400 kV Bongaigaon -New Siliguri line b) High Loading of 220 kV Salakati - Alipurduar D/C (200 MW) | Rev-5-6 |
| | a) N-1 contingency of 400/220 kV, 500 MVA ICT at Misa High Loading of 220 kV Balipara- Sonabil (200 MW) | b) Rev-7-12 |
| | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa | Rev-0 to 4 |
| NER-ER | a) N-1 contingency of either ckt of 400 kV Bongaigaon -New Siliguri line b) High Loading of 220 kV Salakati - Alipurduar D/C (200 MW) | Rev-5-6 |
| | a) N-1 contingency of 400/220 kV, 500 MVA ICT at Misa High Loading of of 400/220 kV, 315 MVA ICT at Misa | b) Rev-7-12 |
| | a) N-1 contingency of 400 kV Balipara - Misa II Line High Loading of 220 kV Balipara- Sonabil (200 MW) | b) |
| | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa | Rev-0 to 4 |
| | a) N-1 contingency of either ckt of 400 kV Bongaigaon -New Siliguri line b) High Loading of 220 kV Salakati - Alipurduar D/C (200 MW) | Rev-5-6 |
| W3 zone Injection | --- | Rev-0 to 9 |

Limiting Constraints (Simultaneous)

| | | Applicable Revisions | |
|-----|--------|--|----------------|
| NR | Import | 1. N-1 contingencies of 400 kV Mejia-Maithon A S/c 2. N-1 contingencies of 400 kV Kahalgaon-Banka S/c 3. N-1 contingencies of 400kV MPL- Maithon S/c | Rev-0 to 12 |
| | | (n-1) Contingency of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida. | Rev-0 to 1 |
| | | RVO operation of HVDC Champa Kurukshetra Poles Reversal of BNC-Agra pole towards BNC & blocking of APD-Agra pole due to lean hydro period in NER | Rev-0 to 1 |
| | | n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Agra (PG) will lead to overloading of the second ICT | Rev-2 to 12 |
| | | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220 kV Badod-Modak. | Rev-0 to 12 |
| NER | Import | (n-1) contingency of 400 kV Saranath-Pusauli | Rev-0 to 12 |
| | | a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line (200 MW) | Rev-0 to 4 |
| | | a) N-1 contingency of either ckt of 400 kV Bongaigaon -New Siliguri line b) High Loading of 220 kV Salakati - Alipurduar D/C (200 MW) | Rev-5-6 |
| | | a) N-1 contingency of 400/220 kV, 500 MVA ICT at Misa b) High Loading of 220 kV Balipara- Sonabil (200 MW) | Rev-7-12 |
| | | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa | Rev-0 to 4 |
| | Export | a) N-1 contingency of either ckt of 400 kV Bongaigaon -New Siliguri line b) High Loading of 220 kV Salakati - Alipurduar D/C (200 MW) | Rev-5-6 |
| | | a) N-1 contingency of 400/220 kV, 500 MVA ICT at Misa High Loading of of 400/220 kV, 315 MVA ICT at Misa | b) Rev-7-12 |
| | | a) N-1 contingency of 400 kV Balipara - Misa II Line b) High Loading of 220 kV Balipara- Sonabil (200 MW) | b) |
| | | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa | Rev-0 to 4 |
| | | a) N-1 contingency of either ckt of 400 kV Bongaigaon -New Siliguri line b) High Loading of 220 kV Salakati - Alipurduar D/C (200 MW) | Rev-5-6 |
| SR | Import | n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT | Rev-0 to 12 |
| | | n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT | Rev-0 to 5,7 |
| | | Low Voltage at Gazuwaka (East) Bus. | Rev-0 to 12 |

**National Load Despatch Centre
Total Transfer Capability for April 2019**

| Revision No | Date of Revision | Period of Revision | Reason for Revision/Comment | Corridor Affected |
|-------------|------------------|------------------------------------|---|--|
| 1 | 4th Jan 2019 | Whole Month | Revised STOA margins due to: (i) Additional 20 MW LTA to Delhi from Ostro Kutch Wind Power Ltd (OKWPL) (ii) Operationalization of 108 MW MTOA from SKS Power Gen Ltd to Noida Power Company | WR-NR/Import of NR |
| | | | Revised TTC due to: (i) Change in load generation balance (ii) Commissioning of circuit 3 & 4 of 765 kV Angul Jharsuguda (iii) Prevailing pattern of load in downstream of 400/220 kV Maradam ICTs | ER-SR/WR-SR/Import of SR |
| 2 | 28th Jan 2019 | Whole Month | Revised TTC due to normalization of Champa Kurukshetra bipole | WR-NR/Import of NR |
| | | | Change in pattern of inter-regional flow towards NR | Import of NR |
| | | | Revised STOA margin due to termination of 100 MW MTOA from LANCO Anpara power limited to TANGEDCO | WR-SR/Import of SR |
| 3 | 07th Mar 2019 | Whole Month | Operationalization of 87 MW LTA from Teesta - III HEP to Rajasthan | ER-NR/Import of NR |
| | | | Operationalization of 50 MW LTA from Orange Sirong Wind Power Limited (OSWPPL) to Haryana | WR-NR/Import of NR |
| 4 | 28th Mar 2019 | Whole Month | Operationalization of the following LTAs:- a) Tuticorin - Mytrah Power to UPPCL, Uttar Pradesh - 51.84 MW | WR-NR/Import of NR |
| | | | Allocation of 40 MW power from Mouda Stg-II to Assam | ER-NER/Import of NER |
| 5 | 29th Mar 2019 | 1st April to 02nd April 2019 | Revised due to Shutdown of 400 kV Bongaigaon - Alipurduar D/C and due to change in load - generation balance and charging of new elements (400/220/33 kV 500 MVA ICT-1 replaced 400/220/33 kV, 315 MVA ICT-1 at Misa, 400/220/33 kV, 315 MVA ICT-2 at Bongaigaon , 400/132 kV, 3x40 MVA ICT at Kameng) | ER-NER/NER-ER/Import and Export of NER |
| | | 3rd April to 30th April 2019 | Revised due to change in load - generation balance and charging of new elements (400/220/33 kV 500 MVA ICT-1 replaced 400/220/33 kV, 315 MVA ICT-1 at Misa, 400/220/33 kV, 315 MVA ICT-2 at Bongaigaon , 400/132 kV, 3x40 MVA ICT at Kameng) | ER-NER/NER-ER/Import and Export of NER |
| 6 | 04th April 2019 | 06th April 2019 to 07th April 2019 | Revised due to day time shutdown of 400kV Rengali-Indravati line | ER-SR/Import of SR |
| 7 | 05th April 2019 | 06th April 2019 to 20th April 2019 | Revised due Forced outage of Pole-2 at Bhadravathi | WR-SR/Import of SR |
| | | 06th April 2019 | Revised due to shutdown of 400 kV Bongaigaon - Azara Line and Revised STOA margin due to operationalisation of following LTA : a). Assam from Tuticorin Mytrah (Wind Power Plant) : 25.74 MW b) Assam from NVVN (Solar Power Plant): 5 MW c) LTA of Arunachal Pradesh from Unchahar (Thermal Power Plant): 30 MW | ER-NER/NER-ER/Import and Export of NER |

| | | | | |
|----|-----------------|--|--|--|
| 7 | 05th April 2019 | 07th April 2019 to 10th April 2019 and 12th April to 14th April 2019 | Revised due to shutdown of 400kV Misa-Balipara-I and Revised STOA margin due to operationalisation of following LTA : a). Assam from Tuticorin Mytrah (Wind Power Plant) : 25.74 MW b) Assam from NVVN (Solar Power Plant): 5 MW c) LTA of Arunachal Pradesh from Unchahar (Thermal Power Plant): 30 MW | ER-NER/NER-ER/Import and Export of NER |
| | | 15th April 2019 to 30th April 2019 | Revised STOA margin due to operationalisation of following LTA : a). Assam from Tuticorin Mytrah (Wind Power Plant) : 25.74 MW b) Assam from NVVN (Solar Power Plant): 5 MW c) LTA of Arunachal Pradesh from Unchahar (Thermal Power Plant): 30 MW | ER-NER/Import of NER |
| 8 | 12th April 2019 | 14th April 2019 | Revised due to day time shutdown of 400kV Rengali-Indravati line | ER-SR/Import of SR |
| | | | Revised due to rescheduling of shutdown of 400kV Misa-Balipara-1 to 16.04.19 | ER-NER/NER-ER/Import and Export of NER |
| 9 | 14th April 2019 | 16th April 2019 | Revised due to shutdown of 400kV Misa-Balipara-1 | ER-NER/NER-ER/Import and Export of NER |
| | | 17th April 2019 | Revised due to shutdown of 400kV Bongaigaon-Azara line | |
| 10 | 20th April 2019 | 21st April 2019 to 22nd April 2019 | Due to non-revival of HVDC Block-2 at Bhadrawathi | WR-SR/Import of SR |
| 11 | 21st April 2019 | 22nd April 2019 | Revised due to shutdown of 400kV Misa-Balipara-1 | ER-NER/NER-ER/Import and Export of NER |
| 12 | 22nd April 2019 | 23rd April 2019 | Due to non-revival of HVDC Block-2 at Bhadrawathi | WR-SR/Import of SR |

| ASSUMPTIONS IN BASECASE | | | | | |
|-------------------------|----------------------------|----------------|--------------------|------------------|---------------|
| | | | | Month : April'19 | |
| 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 | 7290 | 6249 | 3543 | 3588 |
| 2 | Haryana | 7873 | 7139 | 2583 | 2583 |
| 3 | Rajasthan | 10474 | 9250 | 7473 | 7473 |
| 4 | Delhi | 5387 | 4170 | 612 | 612 |
| 5 | Uttar Pradesh | 14130 | 11663 | 6246 | 6367 |
| 6 | Uttarakhand | 1784 | 1304 | 816 | 544 |
| 7 | Himachal Pradesh | 1459 | 970 | 173 | 131 |
| 8 | Jammu & Kashmir | 2387 | 1613 | 771 | 761 |
| 9 | Chandigarh | 243 | 144 | 0 | 0 |
| 10 | ISGS/PPs | 30 | 29 | 18558 | 10652 |
| | Total NR | 51057 | 42529 | 40775 | 32711 |
| II | EASTERN REGION | | | | |
| 1 | Bihar | 4534 | 3290 | 352 | 285 |
| 2 | Jharkhand | 994 | 702 | 354 | 229 |
| 3 | Damodar Valley Corporation | 3022 | 2497 | 5147 | 3743 |
| 4 | Orissa | 4128 | 3314 | 2371 | 2471 |
| 5 | West Bengal | 6921 | 4534 | 5279 | 3958 |
| 6 | Sikkim | 107 | 94 | 0 | 0 |
| 7 | Bhutan | 200 | 198 | 414 | 336 |
| 8 | ISGS/PPs | 626 | 627 | 11872 | 8472 |
| | Total ER | 20531 | 15257 | 25789 | 19494 |
| III | WESTERN REGION | | | | |
| 1 | Maharashtra | 20141 | 17026 | 16345 | 14514 |
| 2 | Gujarat | 15838 | 13877 | 10402 | 10095 |
| 3 | Madhya Pradesh | 10831 | 7721 | 5491 | 4520 |
| 4 | Chattisgarh | 4459 | 3483 | 2797 | 2985 |
| 5 | Daman and Diu | 349 | 297 | 0 | 0 |
| 6 | Dadra and Nagar Haveli | 886 | 722 | 0 | 0 |
| 7 | Goa-WR | 625 | 439 | 0 | 0 |
| 8 | ISGS/PPs | 4956 | 4343 | 40029 | 30899 |
| | Total WR | 58085 | 47909 | 75062 | 63015 |

| S.No. | Name of State/Area | Load | | Generation | |
|-------|----------------------|----------------|--------------------|------------|---------------|
| | | Peak Load (MW) | Off Peak Load (MW) | Peak (MW) | Off Peak (MW) |
| IV | SOUTHERN REGION | | | | |
| 1 | Andhra Pradesh | 8469 | 7401 | 6235 | 4544 |
| 2 | Telangana | 9553 | 8303 | 4964 | 4464 |
| 3 | Karnataka | 9353 | 6123 | 7638 | 5619 |
| 4 | Tamil Nadu | 15346 | 13709 | 8538 | 7138 |
| 5 | Kerala | 4133 | 2777 | 1574 | 716 |
| 6 | Pondy | 327 | 321 | 0 | 0 |
| 7 | Goa-SR | 73 | 72 | 0 | 0 |
| 8 | ISGS/PPs | 0 | 0 | 13098 | 11619 |
| | Total SR | 47254 | 38706 | 42049 | 34101 |
| V | NORTH-EASTERN REGION | | | | |
| 1 | Arunachal Pradesh | 66 | 54 | 0 | 0 |
| 2 | Assam | 879 | 806 | 195 | 142 |
| 3 | Manipur | 119 | 87 | 0 | 0 |
| 4 | Meghalaya | 284 | 213 | 162 | 96 |
| 5 | Mizoram | 99 | 59 | 64 | 8 |
| 6 | Nagaland | 81 | 74 | 12 | 6 |
| 7 | Tripura | 209 | 149 | 74 | 74 |
| 8 | ISGS/PPs | 153 | 83 | 1326 | 1151 |
| | Total NER | 1890 | 1525 | 1833 | 1477 |
| | Total All India | 179317 | 146360 | 185946 | 151169 |