

**National Load Despatch Centre
Total Transfer Capability for May 2021**

Issue Date: 28th May, 2021

Issue Time: 2030 hrs

Revision No. 15

| 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 May 2021 to 31st May 2021 | 00-06 | 2500 | 500 | 2000 | 253 | 1747 | | |
| | | 06-18 | | | | 1339 | 661 | | |
| | | 18-24 | | | | 253 | 1747 | | |
| WR-NR* | 1st May 2021 to 24th May 2021 | 00-06 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| | | 06-18 | 17850 16900** | 500 | 17350 16400** | 11350 10400** | 6000 | | |
| | | 18-24 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| WR-NR* | 25th May 2021 | 00-06 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| | | 06-08 | 17850 16900** | 500 | 17350 16400** | 11350 10400** | 6000 | | |
| | | 08-18 | 16400 15450** | 500 | 15900 14950** | 11350 10400** | 4550 | | |
| | | 18-24 | 16400 15450** | 500 | 15900 14950** | 10961 10011** | 4939 | | |
| WR-NR* | 26th May 2021 to 27th May 2021 | 00-06 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| | | 06-18 | 17850 16900** | 500 | 17350 16400** | 11350 10400** | 6000 | | |
| | | 18-24 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| WR-NR* | 28th May 2021 | 00-06 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| | | 06-88 | 17850 16900** | 500 | 17350 16400** | 11350 10400** | 6000 | | |
| | | 08-18 | 17500 16550** | 500 | 17000 16050** | 11350 10400** | 5650 | | |
| | | 18-24 | 17500 16550** | 500 | 17000 16050** | 10961 10011** | 6039 | | |
| WR-NR* | 29th May 2021 to 31st May 2021 | 00-06 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |
| | | 06-18 | 17850 16900** | 500 | 17350 16400** | 11350 10400** | 6000 | | |
| | | 18-24 | 17850 16900** | 500 | 17350 16400** | 10961 10011** | 6389 | | |

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|----------|--------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|--|
| NR-ER* | 1st May 2021 to 31st May 2021 | 00-06 | 2000 | 200 | 1800 | 193 | 1607 | | |
| | | 06-18 | 2000 | | 1800 | 603 | 1197 | | |
| | | 18-24 | 2000 | | 1800 | 193 | 1607 | | |
| ER-NR* | 1st May 2021 to 24th May 2021 | 00-24 | 5500 | 300 | 5200 | 4280 | 920 | | |
| ER-NR* | 25th May 2021 | 00-08 | 5500 | 300 | 5200 | 4280 | 920 | | |
| | | 08-24 | 5250 | 300 | 4950 | 4280 | 670 | | |
| ER-NR* | 26th May 2021 to 31st May 2021 | 00-24 | 5500 | 300 | 5200 | 4280 | 920 | | |
| W3-ER | 1st May 2021 to 31st May 2021 | 00-24 | No limit is being specified. | | | | | | |
| ER-W3 | 1st May 2021 to 31st May 2021 | 00-24 | No limit is being specified. | | | | | | |
| WR-SR^ | 1st May 2021 to 21st May 2021 | 00-05 | 9350 | 650 | 8700 | 3890 | 4810 | | |
| | | 05-22 | 9350 | | 8700 | | 4810 | | |
| | | 22-24 | 9350 | | 8700 | | 4810 | | |
| WR-SR^ | 22nd May 2021 to 23rd May 2021 | 00-05 | 9350 | 650 | 8700 | 3890 | 4810 | | |
| | | 05-07 | 9350 | | 8700 | | 8700 | | |
| | | 07-22 | 8800 | | 8150 | | 4260 | | |
| | | 22-24 | 8800 | | 8150 | | 4260 | | |
| WR-SR^ | 24th May 2021 to 27th May 2021 | 00-05 | 9350 | 650 | 8700 | 3890 | 4810 | | |
| | | 05-22 | 9350 | | 8700 | | 4810 | | |
| | | 22-24 | 9350 | | 8700 | | 4810 | | |
| WR-SR^ | 28th May 2021 | 00-05 | 9350 | 650 | 8700 | 3890 | 4810 | | |
| | | 05-08 | 9350 | | 8700 | | 4810 | | |
| | | 08-22 | 6700 | | 6050 | | 2160 | | |
| | | 22-24 | 6700 | | 6050 | | 2160 | | |
| WR-SR^ | 29th May 2021 to 31st May 2021 | 00-05 | 6300 | 650 | 5650 | 3890 | 1760 | | |
| | | 05-22 | 6300 | | 5650 | | 1760 | | |
| | | 22-24 | 6300 | | 5650 | | 1760 | | |
| SR-WR* | 1st May 2021 to 31st May 2021 | 00-24 | 4600 | 400 | 4200 | 803 | 3397 | | |
| ER-SR^ | 1st May 2021 to 31st May 2021 | 00-06 | 5750 | 350 | 5400 | 2672 | 2728 | | |
| | | 06-18 | | | | 2757 | 2643 | | |
| | | 18-24 | | | | 2672 | 2728 | | |
| SR-ER* | 1st May 2021 to 31st May 2021 | 00-24 | No limit is being Specified. | | | | | | |
| ER-NER* | 1st May 2021 to 29th May 2021 | 00-08 | 1325 | 45 | 1280 | 474 | 806 | | |
| | | 08-17 | 1325 | | 1280 | 474 | 806 | | |
| | | 17-18 | 1325 | | 1280 | 474 | 806 | | |
| | | 18-21 | 1060 | | 1015 | 474 | 541 | | |
| | | 21-22 | 1060 | | 1015 | 474 | 541 | | |
| | | 22-24 | 1325 | | 1280 | 474 | 806 | | |
| | 30th May 2021 to 31st May 2021 | 00-08 | 1825 | 45 | 1780 | 474 | 1306 | 500 | Revised TTC/ATC due to change in power flow direction of HVDC BNC-Agra |
| | | 08-17 | 1825 | | 1780 | 474 | 1306 | 500 | |
| | | 17-18 | 1825 | | 1780 | 474 | 1306 | 500 | |
| | | 18-21 | 1560 | | 1515 | 474 | 1041 | 500 | |
| | | 21-22 | 1560 | | 1515 | 474 | 1041 | 500 | |
| | | 22-24 | 1825 | | 1780 | 474 | 1306 | 500 | |

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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 |
|----------|--------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|--|
| NER-ER* | 1st May 2021 to 29th May 2021 | 00-08 | 3390 | 45 | 3345 | 83 | 3262 | | Revised TTC/ATC due to change in power flow direction of HVDC BNC-Agra |
| | | 08-17 | 3390 | | 3345 | 83 | 3262 | | |
| | | 17-18 | 3390 | | 3345 | 83 | 3262 | | |
| | | 18-21 | 3300 | | 3255 | 83 | 3172 | | |
| | | 21-22 | 3300 | | 3255 | 83 | 3172 | | |
| | | 22-24 | 3390 | | 3345 | 83 | 3262 | | |
| | 30th May 2021 to 31st May 2021 | 00-08 | 2890 | 45 | 2845 | 83 | 2762 | -500 | |
| | | 08-17 | 2890 | | 2845 | 83 | 2762 | -500 | |
| | | 17-18 | 2890 | | 2845 | 83 | 2762 | -500 | |
| | | 18-21 | 2800 | | 2755 | 83 | 2672 | -500 | |
| | | 21-22 | 2800 | | 2755 | 83 | 2672 | -500 | |
| | | 22-24 | 2890 | | 2845 | 83 | 2762 | -500 | |

| | | | | | | | | | |
|--------------------------|-------------------------------|-------|---|--|--|--|--|--|--|
| W3 zone Injection | 1st May 2021 to 31st May 2021 | 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 - 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.

- 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) KWPL, n)Vandana Vidut 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.

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of WR-SR and ER-SR corridor has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

^In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka SLDC by taking appropriate measures.

SR-WR TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

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 |
|----------|--------------------------------|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NR* | 1st May 2021 to 24th May 2021 | 00-06 | 23350 | 800 | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |
| | | 06-09 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 09-17 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 17-18 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 18-24 | 23350 | | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |
| NR* | 25th May 2021 | 00-06 | 23350 | 800 | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |
| | | 06-08 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 08-09 | 21650 | | 20850 | 15630 | 5220 | | |
| | | | 20700** | | 19900** | 14680** | | | |
| | | 09-17 | 21650 | | 20850 | 15630 | 5220 | | |
| | | | 20700** | | 19900** | 14680** | | | |
| | | 17-18 | 21650 | | 20850 | 15630 | 5220 | | |
| | | | 20700** | | 19900** | 14680** | | | |
| | | 18-24 | 21650 | | 20850 | 15241 | 5609 | | |
| | | | 20700** | | 19900** | 14291** | | | |
| NR* | 26th May 2021 to 27th May 2021 | 00-06 | 23350 | 800 | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |
| | | 06-09 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 09-17 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 17-18 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 18-24 | 23350 | | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |

| | | | | | | | | | |
|-------------|--------------------------------|---------|---------|------|---------|---------|------|------|--|
| NR* | 28th May 2021 | 00-06 | 23350 | 800 | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |
| | | 06-08 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 08-09 | 23000 | | 22200 | 15630 | 6570 | | |
| | | | 22050** | | 21250** | 14680** | | | |
| 09-17 | 23000 | 22200 | 15630 | 6570 | | | | | |
| | 22050** | 21250** | 14680** | | | | | | |
| 17-18 | 23000 | 22200 | 15630 | 6570 | | | | | |
| | 22050** | 21250** | 14680** | | | | | | |
| 18-24 | 23000 | 22200 | 15241 | 6959 | | | | | |
| | 22050** | 21250** | 14291** | | | | | | |
| NR* | 29th May 2021 to 31st May 2021 | 00-06 | 23350 | 800 | 22550 | 15241 | 7309 | | |
| | | | 22400** | | 21600** | 14291** | | | |
| | | 06-09 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| | | 09-17 | 23350 | | 22550 | 15630 | 6920 | | |
| | | | 22400** | | 21600** | 14680** | | | |
| 17-18 | 23350 | 22550 | 15630 | 6920 | | | | | |
| | 22400** | 21600** | 14680** | | | | | | |
| 18-24 | 23350 | 22550 | 15241 | 7309 | | | | | |
| | 22400** | 21600** | 14291** | | | | | | |
| NER* | 1st May 2021 to 29th May 2021 | 00-08 | 1325 | 45 | 1280 | 474 | 806 | | |
| | | | 08-17 | | 1325 | 1280 | 474 | | 806 |
| | | 17-18 | 1325 | | 1280 | 474 | 806 | | |
| | | 18-21 | 1060 | | 1015 | 474 | 541 | | |
| | | 21-22 | 1060 | | 1015 | 474 | 541 | | |
| | | 22-24 | 1325 | | 1280 | 474 | 806 | | |
| | 30th May 2021 to 31st May 2021 | 00-08 | 1825 | 45 | 1780 | 474 | 1306 | 500 | Revised TTC/ATC due to change in power flow direction of HVDC BNC-Agra |
| | | | 08-17 | | 1825 | 1780 | 474 | 1306 | |
| | | 17-18 | 1825 | | 1780 | 474 | 1306 | 500 | |
| | | 18-21 | 1560 | | 1515 | 474 | 1041 | 500 | |
| | | 21-22 | 1560 | | 1515 | 474 | 1041 | 500 | |
| | | 22-24 | 1825 | | 1780 | 474 | 1306 | 500 | |
| WR* | | | | | | | | | |
| SR*# | 1st May 2021 to 21st May 2021 | 00-06 | 15100 | 1000 | 14100 | 6562 | 7538 | | |
| | | 06-18 | 15100 | | 14100 | 6647 | 7453 | | |
| | | 18-24 | 15100 | | 14100 | 6562 | 7538 | | |

| | | | | | | | | |
|------|--------------------------------|-------|-------|------|-------|------|------|--|
| SR*# | 22nd May 2021 to 23rd May 2021 | 00-06 | 15100 | 1000 | 14100 | 6562 | 7538 | |
| | | 06-07 | 15100 | | 14100 | 6647 | 7453 | |
| | | 07-18 | 14550 | | 13550 | 6647 | 6903 | |
| | | 18-24 | 14550 | | 13550 | 6562 | 6988 | |
| SR*# | 24th May 2021 to 27th May 2021 | 00-06 | 15100 | 1000 | 14100 | 6562 | 7538 | |
| | | 06-18 | 15100 | | 14100 | 6647 | 7453 | |
| | | 18-24 | 15100 | | 14100 | 6562 | 7538 | |
| SR*# | 28th May 2021 | 00-06 | 15100 | 1000 | 14100 | 6562 | 7538 | |
| | | 06-08 | 15100 | | 14100 | 6647 | 7453 | |
| | | 08-18 | 12450 | | 11450 | 6647 | 4803 | |
| | | 18-24 | 12450 | | 11450 | 6562 | 4888 | |
| SR*# | 29th May 2021 to 31st May 2021 | 00-06 | 12050 | 1000 | 11050 | 6562 | 4488 | |
| | | 06-18 | 12050 | | 11050 | 6647 | 4403 | |
| | | 18-24 | 12050 | | 11050 | 6562 | 4488 | |

* 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 = $A * C / (B+C)$

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

#Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of SR Import has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka by taking appropriate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

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 May 2021 to 31st May 2021 | 00-06 | 4500 | 700 | 3800 | 446 | 3354 | | |
| | | 06-18 | | | 3800 | 1942 | 1858 | | |
| | | 18-24 | 4500 | | 3800 | 446 | 3354 | | |
| NER* | 1st May 2021 to 29th May 2021 | 00-08 | 3390 | 45 | 3345 | 83 | 3262 | | Revised TTC/ATC due to change in power flow direction of HVDC BNC-Agra |
| | | 08-17 | 3390 | | 3345 | 83 | 3262 | | |
| | | 17-18 | 3390 | | 3345 | 83 | 3262 | | |
| | | 18-21 | 3300 | | 3255 | 83 | 3172 | | |
| | | 21-22 | 3300 | | 3255 | 83 | 3172 | | |
| | | 22-24 | 3390 | | 3345 | 83 | 3262 | | |
| | 30th May 2021 to 31st May 2021 | 00-08 | 2890 | 45 | 2845 | 83 | 2762 | -500 | |
| | | 08-17 | 2890 | | 2845 | 83 | 2762 | -500 | |
| | | 17-18 | 2890 | | 2845 | 83 | 2762 | -500 | |
| | | 18-21 | 2800 | | 2755 | 83 | 2672 | -500 | |
| | | 21-22 | 2800 | | 2755 | 83 | 2672 | -500 | |
| | | 22-24 | 2890 | | 2845 | 83 | 2762 | -500 | |
| WR* | | | | | | | | | |
| SR**^ | 1st May 2021 to 31st May 2021 | 00-24 | 3700 | 400 | 3300 | 1553 | 1747 | | |

* 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).

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^SR Export TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

| Limiting Constraints (Corridor wise) | | Applicable Revisions |
|---|--|-----------------------------|
| Corridor | Constraint | |
| WR-NR | N-1 contingency of 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT | Rev- 0 to 15 |
| NR-ER | (n-1) contingency of 400 kV Saranath-Pusauli | Rev- 0 to 15 |
| ER-NR | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. 2. Inter-regional flow pattern towards NR | Rev- 0 to 15 |
| WR-SR and ER-SR | N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT | Rev- 0 to 15 |
| | N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit | |
| | Low Voltage at Gazuwaka (East) Bus. | |
| SR-WR | a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs | Rev- 0 to 15 |
| ER-NER | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C | Rev- 0 to 15 |
| NER-ER | a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I | Rev- 0 to 15 |
| W3 zone Injection | --- | Rev- 0 to 15 |

Limiting Constraints (Simultaneous)

| | | Applicable Revisions | |
|---------------|---|--|--------------|
| NR | Import | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. 2. Inter-regional flow pattern towards NR | Rev- 0 to 15 |
| | | N-1 contingency of 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT | Rev- 0 to 15 |
| | Export | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli | Rev- 0 to 15 |
| NER | Import | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C | Rev- 0 to 15 |
| | Export | a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I | Rev- 0 to 15 |
| SR | Import | N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT | Rev- 0 to 15 |
| | | N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit | |
| | | Low Voltage at Gazuwaka (East) Bus | |
| Export | N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt | Rev- 0 to 15 | |
| | N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs | | |

National Load Despatch Centre
Total Transfer Capability for May 2021

| Revision No | Date of Revision | Period of Revision | Reason for Revision/Comment | Corridor Affected |
|-------------|------------------|--------------------------------|---|-------------------------|
| 1 | 04th Feb 2021 | Whole month | Operationalization of LTA granted to M/s Adani Wind Energy Kutchh Three Limited :- a) 39.1 MW to UPPCL b) 18.4 MW to Chandigarh | WR-NR/NR IMPORT |
| | | | c) 34.5 MW to KSEB | WR-SR/SR IMPORT |
| 2 | 09th Feb 2021 | Whole Month | Operationalization of LTA granted to M/s Alfanar Energy Private Limited on available margins at Bhuj PS :- a) 14.4 to BSES Rajdhani Power Limited , Delhi b) 4.7 to BSES Yamuna Power Limited , Delhi c) 4.7 to TATA Power Delhi Distribuion Limited | WR-NR/NR IMPORT |
| 3 | 12th Feb 2021 | 13th Feb 2021 to 28th Feb 2021 | Revised due to operationalisation of 300MW MTOA granted form Azure Solar Power ,Rajashtan to Odisha | NR-ER/ NR Export |
| | | | Revised due to revised LTA granted for transfer of power from Nabinagar-1 | ER-NR/ NR Import |
| 4 | 27th Feb 2021 | Whole Month | Revised STOA margin due to operationalisation of 99 MW LTA from Chuzachen HEP to Haryana | ER-NR |
| | | | Revised STOA margin due to change in LTA allocation of RPL-SECI-II-RE, ALFANAR_SECI-III and RWE_APL2_SECI-III(Ghadsisa) | WR-NR |
| | | | Revised STOA margin due to change in LTA allocations. | WR-SR, ER-SR/ SR Import |
| | | | Revised TTC/ATC due to - 1) Change in Load-Generation of NER 2) Addition of 4th unit (1x150 MW) of 4 x 150 MW Kameng Generation 3) Commissioning of 400 kV SM Nagar (ISTS) - PK Bari (ISTS) D/C 4) Commissioning of 400 kV Silchar - Misa D/C | NER Import /NER Export |
| 5 | 11th Mar 2021 | Whole Month | TTC/ATC revised due to commissioning of HVDC Raigarh-Pugalur Pole 2 | WR-SR, ER-SR/ SR Import |
| 6 | 16th Mar 2021 | Whole month | Revision in STOA due to operationalization of LTA 12.3 MW from AWEK3L to UPPCL/NR | WR-NR/NR Import |
| | | | Revision in STOA due to operationalization of LTA 10.9 MW from AWEK3L to KSEB/SR | WR-SR/SR Import |
| 7 | 17th Mar 2021 | Whole month | Revised ATC due to increase in Reliability Margin from 750 MW to 1000 MW due to high SR demand | WR-SR, ER-SR/ SR Import |
| 8 | 28th March 2021 | Whole Month | Revised STOA margin due to change in LTA allocation by 58MW from NR ISGS to Gujrat | NR-WR/NR Export |
| | | | Revised STOA margin due to change in LTA allocations | WR-NR/NR IMPORT |
| | | | Revised TTC/ATC due to - 1) Change in Load-Generation of NER 2) Addition of 4th unit (1x150 MW) of 4 x 150 MW Kameng Generation 3) Commissioning of 400 kV SM Nagar (ISTS) - PK Bari (ISTS) D/C 4) Commissioning of 400 kV Silchar - Misa D/C 5) Commissioning of 400 kV Silchar - PK Bari D/C | NER Import /NER Export |
| | | | | |
| 9 | 28th April 2021 | Whole month | Revised STOA margin due to change in LTA allocations | WR-NR/NR Import |
| | | | Revised STOA margin due to change in LTA allocations | WR-SR/ SR Import |
| | | | Revised STOA margin due to change in LTA allocations | SR-WR/SR Export |
| 10 | 29th April 2021 | Whole month | Revised TTC/ATC due to the following changes in NER Grid: 1) Change in Load-Generation of NER 2) One unit of Palatana module is out | NER Import /NER Export |
| 11 | 20th May 2021 | 22nd May 2021 to 23rd May 2021 | Revised TTC/ATC due to shutdown of 765kV Solapur-Raichur ckt-2 | WR-SR/SR Import |
| 12 | 23rd May 2021 | 25th May 2021 | Revised TTC/ATC due to shutdown of HVDC Mundra-Mahendergarh Ckt-1&2 | WR-NR/ER-NR/NR Import |
| 13 | 26th May 2021 | 28th May 2021 to 31st May 2021 | Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-1&2 | WR-SR/SR Import |
| | | 28th May 2021 | Revised TTC/ATC due to shutdown of 765 KV Orai-Satna S/C | WR-NR/NR Import |
| 14 | 28th May 2021 | 29th May 2021 to 31st May 2021 | Due to forced outage of 765 kV Wardha - Aurangabad 1 & 2 | WR-SR/SR Import |
| 15 | 28th May 2021 | 30th May 2021 to 31st May 2021 | Revised TTC/ATC due to change in power flow direction of HVDC BNC-Agra | NER Import /NER Export |

| ASSUMPTIONS IN BASECASE | | | | | |
|-------------------------|----------------------------|----------------|--------------------|------------------|---------------|
| | | | | Month : May 2021 | |
| 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 | 8362 | 7660 | 3590 | 3590 |
| 2 | Haryana | 8111 | 7759 | 2202 | 2202 |
| 3 | Rajasthan | 10391 | 10486 | 6738 | 6738 |
| 4 | Delhi | 5762 | 5713 | 695 | 695 |
| 5 | Uttar Pradesh | 16912 | 15863 | 8290 | 8294 |
| 6 | Uttarakhand | 2340 | 2092 | 1285 | 1197 |
| 7 | Himachal Pradesh | 1624 | 1336 | 581 | 630 |
| 8 | Jammu & Kashmir | 2837 | 2579 | 883 | 883 |
| 9 | Chandigarh | 317 | 233 | 0 | 0 |
| 10 | ISGS/PPs | 18 | 18 | 20358 | 16403 |
| | Total NR | 56674 | 53739 | 44622 | 40632 |
| II | EASTERN REGION | | | | |
| 1 | Bihar | 5330 | 3680 | 351 | 344 |
| 2 | Jharkhand | 1559 | 1082 | 378 | 352 |
| 3 | Damodar Valley Corporation | 2967 | 2673 | 4899 | 3682 |
| 4 | Orissa | 4335 | 3722 | 3418 | 2740 |
| 5 | West Bengal | 8812 | 5900 | 5427 | 4307 |
| 6 | Sikkim | 113 | 45 | 0 | 0 |
| 7 | Bhutan | 0 | 0 | 2284 | 2158 |
| 8 | ISGS/PPs | 800 | 800 | 14202 | 9636 |
| | Total ER | 23916 | 17902 | 30959 | 23219 |
| III | WESTERN REGION | | | | |
| 1 | Maharashtra | 21329 | 17835 | 14498 | 10811 |
| 2 | Gujarat | 18107 | 14058 | 12938 | 8826 |
| 3 | Madhya Pradesh | 9402 | 6258 | 4805 | 4854 |
| 4 | Chattisgarh | 4513 | 2950 | 3084 | 2253 |
| 5 | Daman and Diu | 384 | 301 | 0 | 0 |
| 6 | Dadra and Nagar Haveli | 799 | 862 | 0 | 0 |
| 7 | Goa-WR | 554 | 515 | 0 | 0 |
| 8 | ISGS/PPs | 5059 | 4341 | 38446 | 34081 |
| | Total WR | 60147 | 47120 | 73771 | 60825 |

| 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 | 8555 | 6443 | 6825 | 5284 |
| 2 | Telangana | 9362 | 7901 | 5042 | 3903 |
| 3 | Karnataka | 8841 | 6710 | 8282 | 6412 |
| 4 | Tamil Nadu | 15733 | 11849 | 6531 | 5056 |
| 5 | Kerala | 4051 | 3058 | 1657 | 1283 |
| 6 | Pondy | 256 | 193 | 0 | 0 |
| 7 | Goa-SR | 40 | 30 | 0 | 0 |
| 8 | ISGS/IPPs | 9 | 6 | 15941 | 12341 |
| | Total SR | 46847 | 36190 | 44278 | 34279 |
| V | NORTH-EASTERN REGION | | | | |
| 1 | Arunachal Pradesh | 132 | 89 | 118 | 63 |
| 2 | Assam | 1587 | 1206 | 516 | 512 |
| 3 | Manipur | 180 | 79 | 104 | 9 |
| 4 | Meghalaya | 319 | 291 | 266 | 213 |
| 5 | Mizoram | 132 | 41 | 49 | 45 |
| 6 | Nagaland | 134 | 98 | 54 | 23 |
| 7 | Tripura | 486 | 314 | 284 | 284 |
| 8 | ISGS/IPPs | 0 | 0 | 2364 | 2082 |
| | Total NER | 2970 | 2118 | 3755 | 3231 |
| | Total All India | 190554 | 157069 | 197385 | 162186 |