

| National Load Despatch Centre<br>Total Transfer Capability for Jul 2022 |                  |                  |                                |                        |                                    |   |   |                                  |         |
|---|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
| Issue Date:Jul 18 2022  |                  |                  |                                | Issue Time:17:16:51    |                                    |   | Revision No :8                                    |                                  |         |
| Corridor  | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment |
| ER-NER  | 01 Jul to 03 Jul | 00:00 to 18:00   | 1810                           | 60                     | 1750                               | 455   | 1295  | 0                                |         |
|   |                  | 18:00 to 22:00   | 1590                           | 60                     | 1530                               | 455   | 1075  | 0                                |         |
|   |                  | 22:00 to 24:00   | 1810                           | 60                     | 1750                               | 455   | 1295  | 0                                |         |
|   | 04 Jul to 07 Jul | 00:00 to 18:00   | 1810                           | 60                     | 1750                               | 455   | 1295  | 0                                |         |
|   |                  | 18:00 to 22:00   | 1590                           | 60                     | 1530                               | 455   | 1075  | 0                                |         |
|   |                  | 22:00 to 24:00   | 1810                           | 60                     | 1750                               | 455   | 1295  | 0                                |         |
|   | 08 Jul to 31 Jul | 00:00 to 18:00   | 1630                           | 60                     | 1570                               | 455   | 1115  | 0                                |         |
|   |                  | 18:00 to 22:00   | 1430                           | 60                     | 1370                               | 455   | 915   | 0                                |         |
|   |                  | 22:00 to 24:00   | 1630                           | 60                     | 1570                               | 455   | 1115  | 0                                |         |
| ER-NR   | 01 Jul to 01 Jul | 00:00 to 06:00   | 5900                           | 400                    | 5500                               | 4854  | 646   | 0                                |         |
|   |                  | 06:00 to 09:00   | 7600                           | 400                    | 7200                               | 4854  | 2346  | 0                                |         |
|   |                  | 09:00 to 21:00   | 7400                           | 400                    | 7000                               | 4854  | 2146  | 0                                |         |
|   |                  | 21:00 to 24:00   | 5700                           | 400                    | 5300                               | 4854  | 446   | 0                                |         |
|   | 02 Jul to 31 Jul | 00:00 to 24:00   | 8000                           | 400                    | 7600                               | 4854  | 2746  | 0                                |         |
| ER-SR   | 01 Jul to 03 Jul | 00:00 to 24:00   | 5700                           | 350                    | 5350                               | 3152  | 2198  | 0                                |         |
|   | 04 Jul to 04 Jul | 00:00 to 07:00   | 5700                           | 350                    | 5350                               | 3152  | 2198  | 0                                |         |
|   |                  | 07:00 to 24:00   | 5450                           | 350                    | 5100                               | 3152  | 1948  | 0                                |         |
|   | 05 Jul to 19 Jul | 00:00 to 24:00   | 5700                           | 350                    | 5350                               | 3152  | 2198  | 0                                |         |
|   | 20 Jul to 20 Jul | 00:00 to 08:00   | 5700                           | 350                    | 5350                               | 3152  | 2198  | 0                                |         |

| Corridor | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment  |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|--|
|          | 21 Jul to 31 Jul | 08:00 to 24:00   | 5450                           | 350                    | 5100                               | 3152  | 1948  | -250                             | Due to the shutdown of 765 kV Nizamabad - Maheswaram - 1 |
|          |                  | 00:00 to 24:00   | 5700                           | 350                    | 5350                               | 3152  | 2198  | 0                                |  |
| ER-W3    | 01 Jul to 31 Jul | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |   |   |                                  |  |
| NER-ER   | 01 Jul to 03 Jul | 00:00 to 18:00   | 2630                           | 60                     | 2570                               | 258   | 2312  | 0                                |  |
|          |                  | 18:00 to 22:00   | 2970                           | 60                     | 2910                               | 258   | 2652  | 0                                |  |
|          |                  | 22:00 to 24:00   | 2630                           | 60                     | 2570                               | 258   | 2312  | 0                                |  |
|          | 04 Jul to 07 Jul | 00:00 to 18:00   | 2630                           | 60                     | 2570                               | 258   | 2312  | 0                                |  |
|          |                  | 18:00 to 22:00   | 2970                           | 60                     | 2910                               | 258   | 2652  | 0                                |  |
|          |                  | 22:00 to 24:00   | 2630                           | 60                     | 2570                               | 258   | 2312  | 0                                |  |
|          | 08 Jul to 31 Jul | 00:00 to 18:00   | 2850                           | 60                     | 2790                               | 258   | 2532  | 0                                |  |
|          |                  | 18:00 to 22:00   | 2730                           | 60                     | 2670                               | 258   | 2412  | 0                                |  |
|          |                  | 22:00 to 24:00   | 2850                           | 60                     | 2790                               | 258   | 2532  | 0                                |  |
| NR-ER    | 01 Jul to 31 Jul | 00:00 to 06:00   | 2000                           | 200                    | 1800                               | 100   | 1700  | 0                                |  |
|          |                  | 06:00 to 18:00   | 2000                           | 200                    | 1800                               | 1615  | 185   | 0                                |  |
|          |                  | 18:00 to 24:00   | 2000                           | 200                    | 1800                               | 100   | 1700  | 0                                |  |
| NR-WR    | 01 Jul to 31 Jul | 00:00 to 06:00   | 3600                           | 500                    | 3100                               | 1232  | 1868  | 0                                |  |
|          |                  | 06:00 to 18:00   | 3600                           | 500                    | 3100                               | 4607  | 0   | 0                                |  |
|          |                  | 18:00 to 24:00   | 3600                           | 500                    | 3100                               | 1232  | 1868  | 0                                |  |
| SR-ER    | 01 Jul to 31 Jul | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |   |   |                                  |  |

| Corridor     | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment |
|--------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
| SR-WR        | 01 Jul to 31 Jul | 00:00 to 24:00   | 7400                           | 650                    | 6750                               | 950   | 5800  | 0                                |         |
| W3 Injection | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 0                                |         |
| W3-ER        | 01 Jul to 31 Jul | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |   |   |                                  |         |
| WR-NR        | 01 Jul to 01 Jul | 00:00 to 06:00   | 18550                          | 1000                   | 17550                              | 10483   | 7067  | 0                                |         |
|              |                  | 06:00 to 09:00   | 16850                          | 1000                   | 15850                              | 10782   | 5068  | 0                                |         |
|              |                  | 09:00 to 18:00   | 16650                          | 1000                   | 15650                              | 10782   | 4868  | 0                                |         |
|              |                  | 18:00 to 21:00   | 16650                          | 1000                   | 15650                              | 10483   | 5167  | 0                                |         |
|              |                  | 21:00 to 24:00   | 18350                          | 1000                   | 17350                              | 10483   | 6867  | 0                                |         |
|              | 02 Jul to 31 Jul | 00:00 to 06:00   | 17800                          | 1000                   | 16800                              | 10483   | 6317  | 0                                |         |
|              |                  | 06:00 to 18:00   | 17800                          | 1000                   | 16800                              | 10782   | 6018  | 0                                |         |
|              |                  | 18:00 to 24:00   | 17800                          | 1000                   | 16800                              | 10483   | 6317  | 0                                |         |
| WR-SR        | 01 Jul to 03 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |         |
|              |                  | 06:00 to 18:00   | 11600                          | 650                    | 10950                              | 4511  | 6439  | 0                                |         |
|              |                  | 18:00 to 24:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |         |
|              | 04 Jul to 04 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |         |
|              |                  | 06:00 to 07:00   | 11600                          | 650                    | 10950                              | 4511  | 6439  | 0                                |         |
|              |                  | 07:00 to 18:00   | 10700                          | 650                    | 10050                              | 4511  | 5539  | 0                                |         |
|              |                  | 18:00 to 24:00   | 10700                          | 650                    | 10050                              | 3691  | 6359  | 0                                |         |
|              | 05 Jul to 19 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |         |
|              |                  | 06:00 to 18:00   | 11600                          | 650                    | 10950                              | 4511  | 6439  | 0                                |         |
|              |                  | 18:00 to 24:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |         |
|              | 20 Jul to        | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |         |

| Corridor | 20 Jul<br>Date | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment  |
|----------|----------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|--|
|          |                | 06:00 to 08:00   | 11600                          | 650                    | 10950                              | 4511  | 6439  | 0                                |  |
|          |                | 08:00 to 18:00   | 10500                          | 650                    | 9850                               | 4511  | 5339  | -1100                            | Due to the shutdown of 765 kV Nizamabad - Maheswaram - 1 |
|          |                | 18:00 to 24:00   | 10500                          | 650                    | 9850                               | 3691  | 6159  | -1100                            |  |
|          | 21 Jul         | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |  |
|          | to 31 Jul      | 06:00 to 18:00   | 11600                          | 650                    | 10950                              | 4511  | 6439  | 0                                |  |
|          | Jul            | 18:00 to 24:00   | 11600                          | 650                    | 10950                              | 3691  | 7259  | 0                                |  |

\* 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) KWPC, 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.

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

^Though 3X315 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(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
| ER       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 0                                |         |
| NER      | 01 Jul to 03 Jul | 00:00 to 18:00   | 1310                           | 60                     | 1250                               | 455   | 795   | 0                                |         |
|          |                  | 18:00 to 22:00   | 1090                           | 60                     | 1030                               | 455   | 575   | 0                                |         |
|          |                  | 22:00 to 24:00   | 1310                           | 60                     | 1250                               | 455   | 795   | 0                                |         |
|          | 04 Jul to 07 Jul | 00:00 to 18:00   | 1310                           | 60                     | 1250                               | 455   | 795   | 0                                |         |
|          |                  | 18:00 to 22:00   | 1090                           | 60                     | 1030                               | 455   | 575   | 0                                |         |
|          |                  | 22:00 to 24:00   | 1310                           | 60                     | 1250                               | 455   | 795   | 0                                |         |
|          | 08 Jul to 31 Jul | 00:00 to 18:00   | 1130                           | 60                     | 1070                               | 455   | 615   | 0                                |         |
|          |                  | 18:00 to 22:00   | 930                            | 60                     | 870                                | 455   | 415   | 0                                |         |
|          |                  | 22:00 to 24:00   | 1130                           | 60                     | 1070                               | 455   | 615   | 0                                |         |
| NR       | 01 Jul to 01 Jul | 00:00 to 06:00   | 24450                          | 1400                   | 23050                              | 15337   | 7713  | 0                                |         |
|          |                  | 06:00 to 09:00   | 24450                          | 1400                   | 23050                              | 15636   | 7414  | 0                                |         |
|          |                  | 09:00 to 18:00   | 24050                          | 1400                   | 22650                              | 15636   | 7014  | 0                                |         |
|          |                  | 18:00 to 24:00   | 24050                          | 1400                   | 22650                              | 15337   | 7313  | 0                                |         |
|          | 02 Jul to 31 Jul | 00:00 to 06:00   | 25800                          | 1400                   | 24400                              | 15337   | 9063  | 0                                |         |
|          |                  | 06:00 to 18:00   | 25800                          | 1400                   | 24400                              | 15636   | 8764  | 0                                |         |
| SR       | 01 Jul to 03 Jul | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |         |
|          |                  | 06:00 to 18:00   | 17300                          | 1000                   | 16300                              | 7663  | 8637  | 0                                |         |
|          |                  | 18:00 to 24:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |         |
|          | 04 Jul to 04 Jul | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |         |
|          |                  | 06:00 to 07:00   | 17300                          | 1000                   | 16300                              | 7663  | 8637  | 0                                |         |
|          |                  | 07:00 to 18:00   | 16150                          | 1000                   | 15150                              | 7663  | 7487  | 0                                |         |
|          |                  | 18:00 to 24:00   | 16150                          | 1000                   | 15150                              | 6778  | 8372  | 0                                |         |
|          | 05 Jul to        | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |         |

| Corridor | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment  |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|--|
|          | 19 Jul           | 06:00 to 18:00   | 17300                          | 1000                   | 16300                              | 7663  | 8637  | 0                                |  |
|          |                  | 18:00 to 24:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |  |
|          |                  | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |  |
|          |                  | 06:00 to 08:00   | 17300                          | 1000                   | 16300                              | 7663  | 8637  | 0                                |  |
|          | 20 Jul to 20 Jul | 08:00 to 18:00   | 15950                          | 1000                   | 14950                              | 7663  | 7287  | -1350                            | Due to the shutdown of 765 kV Nizamabad - Maheswaram - 1 |
|          |                  | 18:00 to 24:00   | 15950                          | 1000                   | 14950                              | 6778  | 8172  | -1350                            |  |
|          |                  | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |  |
|          | 21 Jul to 31 Jul | 06:00 to 18:00   | 17300                          | 1000                   | 16300                              | 7663  | 8637  | 0                                |  |
|          |                  | 18:00 to 24:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |  |
|          |                  | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6778  | 9522  | 0                                |  |
| WR       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    |   | 0   | 0                                |  |

\* 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.

\* 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 implemetation

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(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment |
|----------|------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
|----------|------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|

| Corridor | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Long Term Access(LTA)/Medium Term Open Access(MTOA) | Margin Available For Short Term Open Access(STOA) | Chnages w.r.t. Previous Revision | Comment |  |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|--|
| ER       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 0                                |         |  |
| NER      | 01 Jul to 03 Jul | 00:00 to 18:00   | 3130                           | 60                     | 3070                               | 258   | 2812  | 0                                |         |  |
|          |                  | 18:00 to 22:00   | 3015                           | 60                     | 2955                               | 258   | 2697  | 0                                |         |  |
|          |                  | 22:00 to 24:00   | 3130                           | 60                     | 3070                               | 258   | 2812  | 0                                |         |  |
|          | 04 Jul to 07 Jul | 00:00 to 18:00   | 3130                           | 60                     | 3070                               | 258   | 2812  | 0                                |         |  |
|          |                  | 18:00 to 22:00   | 3015                           | 60                     | 2955                               | 258   | 2697  | 0                                |         |  |
|          |                  | 22:00 to 24:00   | 3130                           | 60                     | 3070                               | 258   | 2812  | 0                                |         |  |
|          | 08 Jul to 31 Jul | 00:00 to 18:00   | 3350                           | 60                     | 3290                               | 258   | 3032  | 0                                |         |  |
|          |                  | 18:00 to 22:00   | 3230                           | 60                     | 3170                               | 258   | 2912  | 0                                |         |  |
|          |                  | 22:00 to 24:00   | 3350                           | 60                     | 3290                               | 258   | 3032  | 0                                |         |  |
|          | NR               | 01 Jul to 31 Jul | 00:00 to 06:00                 | 3600                   | 500                                | 3100  | 1332  | 1768                             | 0       |  |
|          |                  |                  | 06:00 to 18:00                 | 3600                   | 500                                | 3100  | 6222  | 0                                | 0       |  |
|          |                  |                  | 18:00 to 24:00                 | 3600                   | 500                                | 3100  | 1332  | 1768                             | 0       |  |
| SR       | 01 Jul to 31 Jul | 00:00 to 24:00   | 6350                           | 650                    | 5700                               | 2155  | 3545  | 0                                |         |  |
| WR       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 0                                |         |  |

\* 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 | Constraints   | Revisions |
|----------|---|-----------|
| WR-NR    | N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit   | 0-8       |
| NR-ER    | (n-1) contingency of 400 kV Saranath-Pusauli  | 0-8       |
| ER-NR    | Inter-regional flow pattern towards NR  | 0-8       |
| WR-SR    | N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT   | 0-8       |
| ER-SR    | Low Voltage at Gazuwaka (East) Bus.   | 0-8       |
| 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 | 0-8       |
| ER-NER   | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C  | 0-8       |

| Corridor   | Constraints  | Revisions |
|------------|--|-----------|
| NER-ER     | a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I                 | 0-8       |
| NR_IMPORT  | N-1 contingency of one ckt of 765 kV Vindhychal-Varanasi will overload the other circuit                               | 0-8       |
| NR_EXPORT  | (N-1) Contingency of 400 kV Banaskantha - Veloda D/C (n-1) contingency of 400 kV Saranath-Pusauli                      | 1-8       |
| NER_IMPORT | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C                     | 0-8       |
| NER_EXPORT | a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I                 | 0-8       |
| SR_IMPORT  | N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT Low Voltage at Gazuwaka (East) Bus | 0-8       |
| SR_EXPORT  | N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt                      | 0-8       |

## Revision Summary

| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment   | Corridor Affected |
|----------|------------------|--------------------|---|-------------------|
| 1        | 28 Apr           | 01 Jul to 31 Jul   | Revised STOA margin due to a) Increase in LTA quantum by 50 MW from ASunceEPL_BKN to Maharashtra b)Operationalization of new LTA of 60 MW from AvSusRJPPPL_BKN to TANGEDCO TTC/ATC revised Due to change in LGB and operation of HVDC Mundra - Mahendragarhin NR-WRdirection (500MW)  | NR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to discontinuation of LTA quantum of 50 MW from RGPPL to North UPPCL(NCR)   | WR-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to increase in Allocation quantum by 7 MW from DadriT2,Rihand and Singrauli to Bangladesh   | NR-ER             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new LTA of 36.3 MW from BGTPP to Uttarakhand   | ER-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin a) due to operationalization of new MTOA of 100 MW from DB Power Limited, Chattisgarh to TANGEDCO b)due to operationalization of new LTA of 60 MW from Bikaner Solar(AvSusRJPPPL) to TANGEDCO C) due to discontinuation of LTA quantum of 35 MW from RGPPL to Indian Railway,KA   | WR-SR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to decrease in LTA quantum by 25 MW from DVC to BESCOM  | ER-SR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new allocation of 36.3 MW from BgTTP to Uttarakhand  | NER-ER            |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin a) due to discontinuation of LTA quantum of 50 MW from RGPPL to North UPPCL(NCR) b) due to operationalization of new LTA of 36.3 MW from BGTPP to Uttarakhand   | NR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin a) due to operationalization of new MTOA of 100 MW from DB Power Limited, Chattisgarh to TANGEDCO b)due to operationalization of new LTA of 60 MW from Bikaner Solar(AvSusRJPPPL) to TANGEDCO C) due to discontinuation of LTA quantum of 35 MW from RGPPL to Indian Railway, KA d) due to decrease in LTA quantum by 25 MW from DVC to BESCOM  | SR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) Increase in LTA quantum by 50 MW from ASunceEPL_BKN to Maharashtra b)Operationalization of new LTA of 60 MW from AvSusRJPPPL_BKN to TANGEDCO c) due to increase in Allocation quantum by 7 MW from DadriT2,Rihand and Singrauli to Bangladesh TTC/ATC revised due to change in LGB and operation of HVDC Mundra -Mahendragarh in NR-WR direction (500 MW)   | NR_EXPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new allocation of 36.3 MW from BgTTP to Uttarakhand  | NER_EXPORT        |
| 2        | 28 May           | 01 Jul to 31 Jul   | Revised STOA margin due to a) Increase in LTA quantum by 50 MW from AvSusRJPPPL_BKN to TANGEDCO by 100 MW b) Operationalization of new LTA quantum of 130 MW from RSUPL_FTG2 to TSSPDCL & TSNPDCL c) Operationalization of new LTA quantum of 170 MW from RSUPL_FTG2 to TANGEDCO d) Operationalization of new LTA quantum of 300 MW from RSEJ3PL_FTG2 to MP e)Operationalization of new LTA quantum of 250 MW from APMPL_BHDL to MP f)Operationalization of new LTA quantum of 300 MW from ARP1PL_BKN to MP | NR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to increase in LTA quantum by 20 MW from IWISL to Haryana   | WR-NR             |



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|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new LTA of 275 MW from Teesta-III HEP to Uttar Pradesh   | ER-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin a) due to increase in LTA quantum by 100 MW from Bikener Solar (AvSusRJPPL) to TANGEDCO b)Operationalization of new LTA quantum of 130 MW from RSUPL_FTG2 to TSSPDCL & TSNPDCL C) Operationalization of new LTA quantum of 170 MW from RSUPL_FTG2 to TANGEDCO   | WR-SR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) discontinuation of MTOA of 102 MW from Sembcorp Energy India Limited to GUVNL, Gujarat b) Operationalization of new allocation of 100 MW from Sembcorp Energy India Limited to Delhi  | SR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) increase in LTA quantum by 20 MW from IWISL to Haryana b) Operationalization of new LTA of 275 MW from Teesta-III HEP to Uttar Pradesh  | NR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin a) due to increase in LTA quantum by 100 MW from Bikener Solar (AvSusRJPPL) to TANGEDCO b)Operationalization of new LTA quantum of 130 MW from RSUPL_FTG2 to TSSPDCL & TSNPDCL C) Operationalization of new LTA quantum of 170 MW from RSUPL_FTG2 to TANGEDCO   | SR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) Increase in LTA quantum by 50 MW from AvSusRJPPL_BKN to TANGEDCO by 100 MW b) Operationalization of new LTA quantum of 130 MW from RSUPL_FTG2 to TSSPDCL & TSNPDCL c) Operationalization of new LTA quantum of 170 MW from RSUPL_FTG2 to TANGEDCO d) Operationalization of new LTA quantum of 300 MW from RSEJ3PL_FTG2 to MP e)Operationalization of new LTA quantum of 250 MW from APMP_L_BHDL to MP f)Operationalization of new LTA quantum of 300 MW from ARP1PL_BKN to MP | NR_EXPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new allocation of 36.3 MW from BgTPP to Uttarakhand  | NER_EXPORT        |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) discontinuation of MTOA of 102 MW from Sembcorp Energy India Limited to GUVNL, Gujarat b) Operationalization of new allocation of 100 MW from Sembcorp Energy India Limited to Delhi  | SR_EXPORT         |
| 3        | 28 Jun           | 01 Jul to 31 Jul   | Revised STOA margin due to a) Increase in LTA quantum by 35 MW from NSNTPC_FTG1 to TSSPDCL. b)Increase in LTA quantum by 13 MW from NSNTPC_FTG1 to TSSPDCL.   | NR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new LTA of 23.4 MW from POWERICA to UPPCL  | WR-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to increase in LTA quantum by 75.6 MW from NPGC to UTTAR PRADESH(Railway)   | ER-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a)Operationalization of new MTOA of 50 MW from JPNIGRIE_JNSTPP to TANGEDCO b)Operationalization of new LTA quantum of 20 MW from KAWAS to TELANGANA  | WR-SR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of new allocation of 100 MW from SR_ISGS to Uttarakhand   | SR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a)operationalization of new LTA of 23.4 MW from POWERICA to UPPCL b) increase in LTA quantum by 75.6 MW from NPGC to UTTAR PRADESH(Railway)  | NR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a)Operationalization of new MTOA of 50 MW from JPNIGRIE_JNSTPP to TANGEDCO b)Operationalization of new LTA quantum of 20 MW from KAWAS to TELANGANA  | SR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) Increase in LTA quantum by 35 MW from NSNTPC_FTG1 to TSSPDCL. b)Increase in LTA quantum by 13 MW from NSNTPC_FTG1 to TSSPDCL.   | NR_EXPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to a) operationalization of new allocation of 100 MW from SR_ISGS to Uttarakhand b) Increase in LTA quantum by 50 MW from GRT Jewellers, TTGS to SBPDCL, NBPDC ER   | SR_EXPORT         |
| 4        | 29 Jun           | 01 Jul to 01 Jul   | Due to change in Inter regional flow pattern and shutdown of 400 KV Gaya Chandwa-2  | WR-NR             |
|          |                  | 01 Jul to 01 Jul   | Due to change in Inter regional flow pattern and shutdown of 400 KV Gaya Chandwa-2  | ER-NR             |
|          |                  | 01 Jul to 03 Jul   | Due to 1) Change in Load-Generation of NER 2) 400 kV Silchar-Misa D/C is out of service due to collapsed tower 3) One module of Palatana is out till 03.07.2022   | ER-NER            |
|          |                  | 01 Jul to 03 Jul   | Due to 1) Change in Load-Generation of NER 2) 400 kV Silchar-Misa D/C is out of service due to collapsed tower 3) One module of Palatana is out till 03.07.2022   | NER-ER            |

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|----------|------------------|--------------------|---|-------------------|
|          |                  | 01 Jul to 01 Jul   | Due to change in Inter regional flow pattern and shutdown of 400 KV Gaya Chandwa-2  | NR_IMPORT         |
|          |                  | 01 Jul to 03 Jul   | Due to 1) Change in Load-Generation of NER 2) 400 kV Silchar-Misa D/C is out of service due to collapsed tower 3) One module of Palatana is out till 03.07.2022 | NER_IMPORT        |
|          |                  | 01 Jul to 03 Jul   | Due to 1) Change in Load-Generation of NER 2) 400 kV Silchar-Misa D/C is out of service due to collapsed tower 3) One module of Palatana is out till 03.07.2022 | NER_EXPORT        |
| 5        | 30 Jun           | 02 Jul to 31 Jul   | Due to change in LGB and change in inter-regional flow pattern  | WR-NR             |
|          |                  | 02 Jul to 31 Jul   | Due to change in LGB and change in inter-regional flow pattern  | ER-NR             |
|          |                  | 02 Jul to 31 Jul   | Due to change in LGB and change in inter-regional flow pattern  | NR_IMPORT         |
| 6        | 02 Jul           | 04 Jul to 07 Jul   | Due to outage of one module of Palatana till 07.07.2022   | ER-NER            |
|          |                  | 04 Jul to 07 Jul   | Due to outage of one module of Palatana till 07.07.2022   | NER-ER            |
|          |                  | 04 Jul to 07 Jul   | Due to outage of one module of Palatana till 07.07.2022   | NER_IMPORT        |
|          |                  | 04 Jul to 07 Jul   | Due to outage of one module of Palatana till 07.07.2022   | NER_EXPORT        |
| 7        | 02 Jul           | 04 Jul to 04 Jul   | Due to the shutdown of 765/400 kV ICT 2 at Maheswaram   | WR-SR             |
|          |                  | 04 Jul to 04 Jul   | Due to the shutdown of 765/400 kV ICT 2 at Maheswaram   | ER-SR             |
|          |                  | 04 Jul to 04 Jul   | Due to the shutdown of 765/400 kV ICT 2 at Maheswaram   | SR_IMPORT         |
| 8        | 18 Jul           | 20 Jul to 20 Jul   | Due to the shutdown of 765 kV Nizamabad - Maheswaram - 1  | WR-SR             |
|          |                  | 20 Jul to 20 Jul   | Due to the shutdown of 765 kV Nizamabad - Maheswaram - 1  | ER-SR             |
|          |                  | 20 Jul to 20 Jul   | Due to the shutdown of 765 kV Nizamabad - Maheswaram - 1  | SR_IMPORT         |

| ASSUMPTIONS IN BASECASE |                    |                |                    |            |               |
|-------------------------|--------------------|----------------|--------------------|------------|---------------|
| Month : July 2022       |                    |                |                    |            |               |
| 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             | 10744          | 10867              | 3971       | 3971          |
| 2                       | Haryana            | 9492           | 9088               | 2701       | 2701          |
| 3                       | Rajasthan          | 10485          | 9635               | 8259       | 8259          |
| 4                       | Delhi              | 5321           | 5152               | 796        | 795           |
| 5                       | Uttar Pradesh      | 20631          | 20099              | 10623      | 10689         |
| 6                       | Uttarakhand        | 2124           | 1886               | 928        | 939           |
| 7                       | Himachal Pradesh   | 1354           | 1114               | 783        | 769           |
| 8                       | Jammu & Kashmir    | 2363           | 1962               | 884        | 883           |
| 9                       | Chandigarh         | 313            | 249                | 0          | 0             |
| 10                      | ISGS/IPPs          | 48             | 48                 | 21958      | 20013         |
|                         | Total NR           | 62875          | 60100              | 50903      | 49019         |
| II                      | EASTERN REGION     |                |                    |            |               |
| 1                       | Bihar              | 6537           | 5617               | 356        | 349           |

|     |                            |        |        |        |        |
|-----|----------------------------|--------|--------|--------|--------|
| 2   | Jharkhand                  | 1958   | 1503   | 511    | 501    |
| 3   | Damodar Valley Corporation | 2985   | 2723   | 5856   | 4190   |
| 4   | Orissa                     | 4513   | 4310   | 3998   | 3798   |
| 5   | West Bengal                | 9704   | 8401   | 7033   | 6210   |
| 6   | Sikkim                     | 119    | 116    | 0      | 0      |
| 7   | Bhutan                     | 181    | 181    | 2325   | 2325   |
| 8   | ISGS/IPPs                  | 810    | 810    | 15771  | 11533  |
|     | Total ER                   | 26808  | 23662  | 35850  | 28906  |
|     |                            |        |        |        |        |
| III | WESTERN REGION             |        |        |        |        |
| 1   | Maharashtra                | 17405  | 16509  | 11624  | 10789  |
| 2   | Gujarat                    | 13918  | 11320  | 8601   | 7246   |
| 3   | Madhya Pradesh             | 9254   | 8534   | 3596   | 3845   |
| 4   | Chattisgarh                | 4309   | 3965   | 2531   | 2835   |
| 5   | Daman and Diu              | 276    | 236    | 0      | 0      |
| 6   | Dadra and Nagar Haveli     | 744    | 870    | 0      | 0      |
| 7   | Goa-WR                     | 534    | 420    | 0      | 0      |
| 8   | ISGS/IPPs                  | 1784   | 3263   | 36712  | 32338  |
|     | Total WR                   | 48224  | 45117  | 63064  | 57053  |
|     |                            |        |        |        |        |
| IV  | SOUTHERN REGION            |        |        |        |        |
| 1   | Andhra Pradesh             | 8024   | 7220   | 6268   | 5204   |
| 2   | Telangana                  | 9100   | 8117   | 5196   | 5078   |
| 3   | Karnataka                  | 8396   | 6654   | 6023   | 4850   |
| 4   | Tamil Nadu                 | 15210  | 13068  | 7256   | 6376   |
| 5   | Kerala                     | 3778   | 2349   | 1614   | 961    |
| 6   | Pondy                      | 264    | 264    | 0      | 0      |
| 7   | Goa-SR                     | 82     | 82     | 0      | 0      |
| 8   | ISGS/IPPs                  | 37     | 37     | 14805  | 14794  |
|     | Total SR                   | 44891  | 37791  | 41162  | 37263  |
|     |                            |        |        |        |        |
| V   | NORTH-EASTERN REGION       |        |        |        |        |
| 1   | Arunachal Pradesh          | 140    | 95     | 118    | 118    |
| 2   | Assam                      | 1849   | 1588   | 615    | 574    |
| 3   | Manipur                    | 207    | 86     | 105    | 103    |
| 4   | Meghalaya                  | 315    | 255    | 302    | 229    |
| 5   | Mizoram                    | 150    | 55     | 60     | 60     |
| 6   | Nagaland                   | 173    | 155    | 96     | 93     |
| 7   | Tripura                    | 435    | 260    | 300    | 300    |
| 8   | ISGS/IPPs                  | 0      | 0      | 2371   | 2370   |
|     | Total NER                  | 3269   | 2494   | 3967   | 3847   |
|     |                            |        |        |        |        |
|     | Total All India            | 186067 | 169164 | 194946 | 176088 |