

| National Load Despatch Centre<br>Total Transfer Capability for Jul 2023 |                  |                  |                                |                        |                                    |   |   |                                  |   |
|---|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---|
| Issue Date:Jul 16 2023  |                  |                  |                                |                        | Issue Time:16:11:20                |   |   |                                  | Revision No :11   |
| 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 08 Jul | 00:00 to 18:00   | 2080                           | 60                     | 2020                               | 455   | 1565  | 0                                |   |
|   |                  | 18:00 to 22:00   | 1880                           | 60                     | 1820                               | 455   | 1365  | 0                                |   |
|   |                  | 22:00 to 24:00   | 2080                           | 60                     | 2020                               | 455   | 1565  | 0                                |   |
|   | 09 Jul to 17 Jul | 00:00 to 19:00   | 1930                           | 60                     | 1870                               | 455   | 1415  | 0                                |   |
|   |                  | 19:00 to 23:00   | 1680                           | 60                     | 1620                               | 455   | 1165  | 0                                |   |
|   |                  | 23:00 to 24:00   | 1930                           | 60                     | 1870                               | 455   | 1415  | 0                                |   |
|   | 18 Jul to 18 Jul | 00:00 to 09:00   | 1930                           | 60                     | 1870                               | 455   | 1415  | 0                                |   |
|   |                  | 09:00 to 19:00   | 1760                           | 60                     | 1700                               | 455   | 1245  | -170                             | TTC/ATC revised due to shutdown of 400 kV Bongaigaon - Brynihat |
|   |                  | 19:00 to 23:00   | 1500                           | 60                     | 1440                               | 455   | 985   | -180                             |   |
|   |                  | 23:00 to 24:00   | 1760                           | 60                     | 1700                               | 455   | 1245  | -170                             |   |
|   | 19 Jul to 31 Jul | 00:00 to 19:00   | 1930                           | 60                     | 1870                               | 455   | 1415  | 0                                |   |
|   |                  | 19:00 to 23:00   | 1680                           | 60                     | 1620                               | 455   | 1165  | 0                                |   |
| 23:00 to 24:00  |                  | 1930             | 60                             | 1870                   | 455                                | 1415  | 0   |                                  |   |
| ER-NR   | 01 Jul to 31 Jul | 00:00 to 24:00   | 8000                           | 400                    | 7600                               | 5097  | 2503  | 0                                |   |
| ER-SR   | 01 Jul to 03 Jul | 00:00 to 06:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |   |
|   |                  | 06:00 to 18:00   | 5700                           | 350                    | 5350                               | 3330  | 2020  | 0                                |   |
|   |                  | 18:00 to 24:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |   |
|   | 04 Jul to 07 Jul | 00:00 to 06:00   | 4800                           | 350                    | 4450                               | 3265  | 1185  | 0                                |   |
|   |                  | 06:00 to 18:00   | 4800                           | 350                    | 4450                               | 3330  | 1120  | 0                                |   |
|   |                  | 18:00 to 24:00   | 4800                           | 350                    | 4450                               | 3265  | 1185  | 0                                |   |
|   | 08 Jul to 08 Jul | 00:00 to 06:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |   |
|   |                  | 06:00 to 07:00   | 5700                           | 350                    | 5350                               | 3330  | 2020  | 0                                |   |
|   |                  | 07:00 to 18:00   | 5450                           | 350                    | 5100                               | 3330  | 1770  | 0                                |   |
|   |                  | 18:00 to 24:00   | 5450                           | 350                    | 5100                               | 3265  | 1835  | 0                                |   |
|   | 09 Jul to 13 Jul | 00:00 to 06:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |   |
|   |                  | 06:00 to 18:00   | 5700                           | 350                    | 5350                               | 3330  | 2020  | 0                                |   |
|   |                  | 18:00 to 24:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |   |
|   | 14 Jul to 14 Jul | 00:00 to 06:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |   |
|   |                  | 06:00 to 09:00   | 5700                           | 350                    | 5350                               | 3330  | 2020  | 0                                |   |
|   |                  | 09:00 to 18:00   | 5700                           | 350                    | 5350                               | 3330  | 2020  | 0                                |   |
| 18:00 to 24:00  |                  | 5700             | 350                            | 5350                   | 3265                               | 2085  | 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 |
|--------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
|              | 15 Jul to 31 Jul | 00:00 to 06:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |         |
|              |                  | 06:00 to 18:00   | 5700                           | 350                    | 5350                               | 3330  | 2020  | 0                                |         |
|              |                  | 18:00 to 24:00   | 5700                           | 350                    | 5350                               | 3265  | 2085  | 0                                |         |
| ER-W3        | 01 Jul to 31 Jul | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |   |   |                                  |         |
| ER-WR        | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 0                                |         |
| NER-ER       | 01 Jul to 08 Jul | 00:00 to 18:00   | 2600                           | 60                     | 2540                               | 258   | 2282  | 0                                |         |
|              |                  | 18:00 to 22:00   | 2515                           | 60                     | 2455                               | 258   | 2197  | 0                                |         |
|              |                  | 22:00 to 24:00   | 2600                           | 60                     | 2540                               | 258   | 2282  | 0                                |         |
|              | 09 Jul to 31 Jul | 00:00 to 19:00   | 2900                           | 60                     | 2840                               | 258   | 2582  | 0                                |         |
|              |                  | 19:00 to 23:00   | 2815                           | 60                     | 2755                               | 258   | 2497  | 0                                |         |
|              |                  | 23:00 to 24:00   | 2900                           | 60                     | 2840                               | 258   | 2582  | 0                                |         |
| NR-ER        | 01 Jul to 31 Jul | 00:00 to 06:00   | 4000                           | 300                    | 3700                               | 125   | 3575  | 0                                |         |
|              |                  | 06:00 to 18:00   | 4000                           | 300                    | 3700                               | 1990  | 1710  | 0                                |         |
|              |                  | 18:00 to 24:00   | 4000                           | 300                    | 3700                               | 125   | 3575  | 0                                |         |
| NR-WR        | 01 Jul to 31 Jul | 00:00 to 06:00   | 4000                           | 500                    | 3500                               | 1267  | 2233  | 0                                |         |
|              |                  | 06:00 to 18:00   | 4000                           | 500                    | 3500                               | 5177  | 0   | 0                                |         |
|              |                  | 18:00 to 24:00   | 4000                           | 500                    | 3500                               | 1267  | 2233  | 0                                |         |
| SR-ER        | 01 Jul to 31 Jul | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |   |   |                                  |         |
| SR-WR        | 01 Jul to 31 Jul | 00:00 to 06:00   | 6000                           | 650                    | 5350                               | 650   | 4700  | 0                                |         |
|              |                  | 06:00 to 18:00   | 6500                           | 650                    | 5850                               | 850   | 5000  | 0                                |         |
|              |                  | 18:00 to 24:00   | 6000                           | 650                    | 5350                               | 650   | 4700  | 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-ER        | 01 Jul to 31 Jul | 00:00 to 06:00   | 5500                           | 300                    | 5200                               | 990   | 4210  | 0                                |         |
|              |                  | 06:00 to 18:00   | 5500                           | 300                    | 5200                               | 1040  | 4160  | 0                                |         |
|              |                  | 18:00 to 24:00   | 5500                           | 300                    | 5200                               | 990   | 4210  | 0                                |         |
| WR-NR        | 01 Jul to 31 Jul | 00:00 to 06:00   | 17800                          | 1000                   | 16800                              | 11319   | 5481  | 0                                |         |
|              |                  | 06:00 to 18:00   | 17800                          | 1000                   | 16800                              | 11643   | 5157  | 0                                |         |
|              |                  | 18:00 to 24:00   | 17800                          | 1000                   | 16800                              | 11319   | 5481  | 0                                |         |
| WR-SR        | 01 Jul to 07 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
|              |                  | 06:00 to 18:00   | 11600                          | 650                    | 10950                              | 4787  | 6163  | 0                                |         |
|              |                  | 18:00 to 24:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 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 |
|----------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
|                | 08 Jul to 08 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
|                |                  | 06:00 to 07:00   | 11600                          | 650                    | 10950                              | 4787  | 6163  | 0                                |         |
|                |                  | 07:00 to 18:00   | 10700                          | 650                    | 10050                              | 4787  | 5263  | 0                                |         |
|                |                  | 18:00 to 24:00   | 10700                          | 650                    | 10050                              | 3685  | 6365  | 0                                |         |
|                | 09 Jul to 13 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
|                |                  | 06:00 to 18:00   | 11600                          | 650                    | 10950                              | 4787  | 6163  | 0                                |         |
|                |                  | 18:00 to 24:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
|                | 14 Jul to 14 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
|                |                  | 06:00 to 09:00   | 11600                          | 650                    | 10950                              | 4787  | 6163  | 0                                |         |
|                |                  | 09:00 to 18:00   | 11600                          | 650                    | 10950                              | 4787  | 6163  | 0                                |         |
|                |                  | 18:00 to 24:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
|                | 15 Jul to 31 Jul | 00:00 to 06:00   | 11600                          | 650                    | 10950                              | 3685  | 7265  | 0                                |         |
| 06:00 to 18:00 |                  | 11600            | 650                            | 10950                  | 4787                               | 6163  | 0   |                                  |         |
| 18:00 to 24:00 |                  | 11600            | 650                            | 10950                  | 3685                               | 7265  | 0   |                                  |         |

- Based on the actual distribution of corridor flows, Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- 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
- For SR Export TTC declaration during Solar hours, the dispatches of generators connected at 400 kV Raigarh – PS (Kotra) considered as per the approved LTA/MTOA quantum or technical minimum level, whichever is higher, the power order of HVDC Raigarh - Pugalur as 1400 MW (Bipole 1: 450 MW, Bipole 2: 950 MW) in SR to WR direction and NTPC Kudgi Generation as 60 % of I/C.
- For SR Export TTC declaration during Non-Solar hours, HVDC Raigarh - Pugalur is considered in Bocked condition and full dispatch at NTPC Kudgi.
- 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 Grid-India/NLDC "News Update" (Flasher) Section

### 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 08 Jul | 00:00 to 18:00   | 1580                           | 60                     | 1520                               | 455   | 1065  | 0                                |   |  |
|                |                  | 18:00 to 22:00   | 1380                           | 60                     | 1320                               | 455   | 865   | 0                                |   |  |
|                |                  | 22:00 to 24:00   | 1580                           | 60                     | 1520                               | 455   | 1065  | 0                                |   |  |
|                | 09 Jul to 17 Jul | 00:00 to 19:00   | 1430                           | 60                     | 1370                               | 455   | 915   | 0                                |   |  |
|                |                  | 19:00 to 23:00   | 1180                           | 60                     | 1120                               | 455   | 665   | 0                                |   |  |
|                |                  | 23:00 to 24:00   | 1430                           | 60                     | 1370                               | 455   | 915   | 0                                |   |  |
|                | 18 Jul to 18 Jul | 00:00 to 09:00   | 1430                           | 60                     | 1370                               | 455   | 915   | 0                                |   |  |
|                |                  | 09:00 to 19:00   | 1260                           | 60                     | 1200                               | 455   | 745   | -170                             | TTC/ATC revised due to shutdown of 400 kV Bongaigaon - Brynihat |  |
|                |                  | 19:00 to 23:00   | 1000                           | 60                     | 940                                | 455   | 485   | -180                             |   |  |
|                |                  | 23:00 to 24:00   | 1260                           | 60                     | 1200                               | 455   | 745   | -170                             |   |  |
|                | 19 Jul to 31 Jul | 00:00 to 19:00   | 1430                           | 60                     | 1370                               | 455   | 915   | 0                                |   |  |
|                |                  | 19:00 to 23:00   | 1180                           | 60                     | 1120                               | 455   | 665   | 0                                |   |  |
|                |                  | 23:00 to 24:00   | 1430                           | 60                     | 1370                               | 455   | 915   | 0                                |   |  |
|                | NR               | 01 Jul to 31 Jul | 00:00 to 06:00                 | 25800                  | 1400                               | 24400   | 16416   | 7984                             | 0   |  |
|                |                  |                  | 06:00 to 18:00                 | 25800                  | 1400                               | 24400   | 16740   | 7660                             | 0   |  |
| 18:00 to 24:00 |                  |                  | 25800                          | 1400                   | 24400                              | 16416   | 7984  | 0                                |   |  |
| SR             | 01 Jul to 03 Jul | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |   |  |
|                |                  | 06:00 to 18:00   | 17300                          | 1000                   | 16300                              | 7930  | 8370  | 0                                |   |  |
|                |                  | 18:00 to 24:00   | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |   |  |
|                | 04 Jul to 07 Jul | 00:00 to 06:00   | 16400                          | 1000                   | 15400                              | 6763  | 8637  | 0                                |   |  |
|                |                  | 06:00 to 18:00   | 16400                          | 1000                   | 15400                              | 7930  | 7470  | 0                                |   |  |
|                |                  | 18:00 to 24:00   | 16400                          | 1000                   | 15400                              | 6763  | 8637  | 0                                |   |  |
|                | 08 Jul to 08 Jul | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |   |  |
|                |                  | 06:00 to 07:00   | 17300                          | 1000                   | 16300                              | 7930  | 8370  | 0                                |   |  |
|                |                  | 07:00 to 18:00   | 16150                          | 1000                   | 15150                              | 7930  | 7220  | 0                                |   |  |
|                | 08 Jul to 08 Jul | 18:00 to 24:00   | 16150                          | 1000                   | 15150                              | 6763  | 8387  | 0                                |   |  |
|                |                  | 09 Jul to 13 Jul | 00:00 to 06:00                 | 17300                  | 1000                               | 16300   | 6763  | 9537                             | 0   |  |
|                |                  |                  | 06:00 to 18:00                 | 17300                  | 1000                               | 16300   | 7930  | 8370                             | 0   |  |
|                | 18:00 to 24:00   |                  | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |   |  |
|                | 14 Jul to 14 Jul | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |   |  |
|                |                  | 06:00 to 09:00   | 17300                          | 1000                   | 16300                              | 7930  | 8370  | 0                                |   |  |
|                |                  | 09:00 to 18:00   | 17300                          | 1000                   | 16300                              | 7930  | 8370  | 0                                |   |  |
| 18:00 to 24:00 |                  | 17300            | 1000                           | 16300                  | 6763                               | 9537  | 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 |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
|          | 15 Jul to 31 Jul | 00:00 to 06:00   | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |         |
|          |                  | 06:00 to 18:00   | 17300                          | 1000                   | 16300                              | 7930  | 8370  | 0                                |         |
|          |                  | 18:00 to 24:00   | 17300                          | 1000                   | 16300                              | 6763  | 9537  | 0                                |         |
| WR       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    |   | 0   | 0                                |         |

- Based on the actual distribution of corridor flows, Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- 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
- For SR Export TTC declaration during Solar hours, the dispatches of generators connected at 400 kV Raigarh – PS (Kotra) considered as per the approved LTA/MTOA quantum or technical minimum level, whichever is higher, the power order of HVDC Raigarh - Pugalur as 1400 MW (Bipole 1: 450 MW, Bipole 2: 950 MW) in SR to WR direction and NTPC Kudgi Generation as 60 % of I/C.
- For SR Export TTC declaration during Non-Solar hours, HVDC Raigarh - Pugalur is considered in Bocked condition and full dispatch at NTPC Kudgi.
- 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 Grid-India/NLDC "News Update" (Flasher) Section

### 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 |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
| ER       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 0                                |         |
| NER      | 01 Jul to 08 Jul | 00:00 to 18:00   | 3100                           | 60                     | 3040                               | 258   | 2782  | 0                                |         |
|          |                  | 18:00 to 22:00   | 3015                           | 60                     | 2955                               | 258   | 2697  | 0                                |         |
|          |                  | 22:00 to 24:00   | 3100                           | 60                     | 3040                               | 258   | 2782  | 0                                |         |
|          | 09 Jul to 31 Jul | 00:00 to 19:00   | 3400                           | 60                     | 3340                               | 258   | 3082  | 0                                |         |
|          |                  | 19:00 to 23:00   | 3315                           | 60                     | 3255                               | 258   | 2997  | 0                                |         |
|          |                  | 23:00 to 24:00   | 3400                           | 60                     | 3340                               | 258   | 3082  | 0                                |         |
| NR       | 01 Jul to 31 Jul | 00:00 to 06:00   | 4000                           | 500                    | 3500                               | 1391  | 2109  | 0                                |         |
|          |                  | 06:00 to 18:00   | 4000                           | 500                    | 3500                               | 7167  | 0   | 0                                |         |
|          |                  | 18:00 to 24:00   | 4000                           | 500                    | 3500                               | 1391  | 2109  | 0                                |         |
| SR       | 01 Jul to 31 Jul | 00:00 to 06:00   | 5000                           | 650                    | 4350                               | 2018  | 2332  | 0                                |         |
|          |                  | 06:00 to 18:00   | 5200                           | 650                    | 4550                               | 2369  | 2181  | 0                                |         |
|          |                  | 18:00 to 24:00   | 5000                           | 650                    | 4350                               | 2018  | 2332  | 0                                |         |
| WR       | 01 Jul to 31 Jul | 00:00 to 24:00   | NA                             | NA                     |                                    | NA  |   | 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) | Changes w.r.t. Previous Revision | Comment |
|--|------|------------------|--------------------------------|------------------------|------------------------------------|---|---|----------------------------------|---------|
| <ul style="list-style-type: none"> <li>Based on the actual distribution of corridor flows, Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for short term transactions wherever applicable. Considering 400 kV Rihand stage-III Vindhyaal PS D/C as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III, Rihand Stage generation is considered as NR regional entity.</li> <li>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 &amp; 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</li> <li>For SR Export TTC declaration during Solar hours, the dispatches of generators connected at 400 kV Raigarh – PS (Kotra) considered as per the approved LTA/MTOA quantum or technical minimum level, whichever is higher, the power order of HVDC Raigarh - Pugalur as 1400 MW (Bipole 1: 450 MW, Bipole 2: 950 MW) in SR to WR direction and NTPC Kudgi Generation as 60 % of I/C.</li> <li>For SR Export TTC declaration during Non-Solar hours, HVDC Raigarh - Pugalur is considered in Bocked condition and full dispatch at NTPC Kudgi.</li> <li>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.</li> <li>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.</li> <li>Real Time TTC/ATC revisions are uploaded on Grid-India/NLDC "News Update" (Flasher) Section</li> </ul> |      |                  |                                |                        |                                    |   |   |                                  |         |

### Limiting Constraints

| Corridor   | Constraints   | Revisions |
|------------|---|-----------|
| WR-NR      | N-1 contingency of one ckt of 765 kV Vindhyaal-Varanasi will overload the other circuit   | 0-11      |
| NR-ER      | 1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka –Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2   | 4-11      |
| WR-ER      | 1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka –Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2   | 4-11      |
| ER-NR      | Inter-regional flow pattern towards NR  | 0-11      |
| WR-SR      | N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT   | 0-11      |
| ER-SR      | Low Voltage at Gazuwaka (East) Bus.   | 0-11      |
| SR-WR      | a) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar & and vice-versa b) Angular separation between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg c)Low voltage at 400 kV Chakan, Jejuri, Lonikhand etc d) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– A at Raigarh - PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WR Direction (Solar Hours) e) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh - PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WR Direction (Solar Hours) | 5-11      |
| ER-NER     | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C   | 5-11      |
| 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  | 5-11      |
| NR_IMPORT  | N-1 contingency of one ckt of 765 kV Vindhyaal-Varanasi will overload the other circuit   | 0-11      |
| NR_EXPORT  | (N-1) Contingency of 400 kV Kankroli-Zerda-S/C will overload 400 KV Bhinmal-Zerda-S/C   | 0-11      |
| NER_IMPORT | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C   | 5-11      |
| NER_EXPORT | a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I  | 5-11      |
| 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  | 0-11      |
| SR_EXPORT  | a) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar & and vice-versa b) Angular separation between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg c)Low voltage at 400 kV Chakan, Jejuri, Lonikhand etc d) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– A at Raigarh - PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WR Direction (Solar Hours) e) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh - PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WR Direction (Solar Hours) | 5-11      |

## Revision Summary

| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment  | Corridor Affected |
|----------|------------------|--------------------|--|-------------------|
| 0        | 28 Mar           |                    |  |                   |
| 1        | 10 Apr           | 01 Jul to 31 Jul   | Revised STOA Margin due to, i) 50 MW increase in LTA quantum from APMPL_BHDLto MP ii) New approved LTA from TPREL to TPC MSEB iii) Discontinuation of MTOA of 58 MW from RUVNL to MP   | NR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA Margin due to, i) 50 MW increase in LTA quantum from APMPL_BHDLto MP ii) New approved LTA from TPREL to TPC MSEB iii) Discontinuation of MTOA of 58 MW from RUVNL to MP   | NR_EXPORT         |
| 2        | 28 Apr           | 01 Jul to 31 Jul   | Revised STOA margin due to (i) Operationalisation of new LTA quantum of 55 MW from NETRA_KOTDA_BHUJ_W to HARYANA (ii) Operationalisation of new LTA quantum of 200 MW from PVG_AdaniKANine to UPPCL (iii)Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to NCRALL (iv) Non-Availability of application in WBES of LTA quantum of 200 MW from SBG Cleantech Project Co. Five Pvt. Ltd. (SR-Pavagada) to UPPCL  | WR-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to (i) Increase in allocation quantum of 5 MW from BRBCL(Railway) to DELHI (ii) Decrease in allocation quantum of 30 MW from BRBCL(Railway) to Uttar Pradesh (NR RAILWAYS ) (iii) Decrease in allocation quantum of 20 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU)  | ER-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to (i) Operationalisation of new LTA quantum of 16.8 MW from APRAAVA_KHKRDA_JAM_W to PONDY (ii) Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to SWR_IR_KPTCL  | WR-SR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to (i) Discontinuation of MTOA quantum of 102 MW from SEILP2 to Gujarat (ii) Discontinuation of allocation quantum of 100 MW from SR_ISGS to Uttarakhand   | SR-WR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to (i) Operationalisation of new LTA quantum of 55 MW from NETRA_KOTDA_BHUJ_W to HARYANA (ii) Operationalisation of new LTA quantum of 200 MW from PVG_AdaniKANine to UPPCL (iii)Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to NCRALL (iv) Non-Availability of application in WBES of LTA quantum of 200 MW from SBG Cleantech Project Co. Five Pvt. Ltd. (SR-Pavagada) to UPPCL (v) Increase in allocation quantum of 5 MW from BRBCL(Railway) to DELHI (vi) Decrease in allocation quantum of 30 MW from BRBCL(Railway) to Uttar Pradesh (NR RAILWAYS ) (vii) Decrease in allocation quantum of 20 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU) | NR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to (i) Operationalisation of new LTA quantum of 16.8 MW from APRAAVA_KHKRDA_JAM_W to PONDY (ii) Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to SWR_IR_KPTCL  | SR_IMPORT         |
| 3        | 28 May           | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of a) LTA of 87.3 MW from THEP to Haryana b) LTA of 86.4 MW from JLHEP to Haryana  | ER-NR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to Increase in the LTA quantum by 9.3 MW from APRAAVA_KHKRDA_JAM_Wind to Puducherry  | WR-SR             |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to operationalization of a) LTA of 87.3 MW from THEP to Haryana b) LTA of 86.4 MW from JLHEP to Haryana  | NR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to Increase in the LTA quantum by 9.3 MW from APRAAVA_KHKRDA_JAM_Wind to Puducherry  | SR_IMPORT         |
| 4        | 23 Jun           | 01 Jul to 31 Jul   | Due to Change in Load - Generation Scenarios   | NR-ER             |
| 5        | 28 Jun           | 01 Jul to 31 Jul   | Revised STOA margin due to, 1. Operationalization of LTA of 180 MW from SEISPPL_MP to TPDDL 2. Operationalization of LTA of 56.7 MW from Torrent_Sidpur_Jam_W to Haryana 3. Increase in the LTA quantum by 18.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL 4. Increase in the LTA quantum by 14.5 MW from SITAC_CHUGGER_BHJ2_W to BRPL 5. Increase in the LTA quantum by 14.5 MW from SITAC_CHUGGER_BHJ2_W to BYPL 6. Increase in the LTA quantum by 14.5 MW from AWEKFL to UPPCL 7. Decrease in the LTA quantum by 235 MW from APL, Mundra to Haryana   | WR-NR             |

| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment  | Corridor Affected |
|----------|------------------|--------------------|--|-------------------|
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to, 1. Operationalization of LTA of 91.7 MW from MASAYA_BWSPRA_KNDW_S to TSSPDCL 2. Operationalization of LTA of 56.7 MW from MASAYA_BWSPRA_KNDW_S to TSNPDCL 3. Operationalization of LTA of 91.7 MW from MASAYA_BWSPRA_KNDW_S to TSSPDCL 4.Operationalization of LTA of 56.7 MW from MASAYA_BWSPRA_KNDW_S to TSNPDCL   | WR-SR             |
|          |                  | 01 Jul to 31 Jul   | 1. Due to change in LGB with decreasing demand in Western region and Maharashtra 2. Reconductoring of 400 kV Kolhapur (PG) - Kolhapur (MS) - 1 with high ampacity HTLS conductor and reliable operation 3. Operationalization of bus-split at 400 kV Raigarh-PS (Kotra) station  | SR-WR             |
|          |                  | 01 Jul to 31 Jul   | Due to change in LGB in NER region   | ER-NER            |
|          |                  | 01 Jul to 31 Jul   | Due to change in LGB in NER region   | NER-ER            |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to, 1. Operationalization of LTA of 180 MW from SEISPPL_MP to TPDDL 2. Operationalization of LTA of 56.7 MW from Torrent_Sidpur_Jam_W to Haryana 3. Increase in the LTA quantum by 18.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL 4. Increase in the LTA quantum by 14.5 MW from SITAC_CHUGGER_BHJ2_W to BRPL 5. Increase in the LTA quantum by 14.5 MW from SITAC_CHUGGER_BHJ2_W to BYPL 6. Increase in the LTA quantum by 14.5 MW from AWEKFL to UPPCL 7. Decrease in the LTA quantum by 235 MW from APL, Mundra to Haryana | NR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Due to change in LGB in NER region   | NER_IMPORT        |
|          |                  | 01 Jul to 31 Jul   | Revised STOA margin due to, 1. Operationalization of LTA of 91.7 MW from MASAYA_BWSPRA_KNDW_S to TSSPDCL 2. Operationalization of LTA of 56.7 MW from MASAYA_BWSPRA_KNDW_S to TSNPDCL 3. Operationalization of LTA of 91.7 MW from MASAYA_BWSPRA_KNDW_S to TSSPDCL 4.Operationalization of LTA of 56.7 MW from MASAYA_BWSPRA_KNDW_S to TSNPDCL   | SR_IMPORT         |
|          |                  | 01 Jul to 31 Jul   | Due to change in LGB in NER region   | NER_EXPORT        |
|          |                  | 01 Jul to 31 Jul   | 1. Due to change in LGB with decreasing demand in Western region and Maharashtra 2. Reconductoring of 400 kV Kolhapur (PG) - Kolhapur (MS) - 1 with high ampacity HTLS conductor and reliable operation 3. Operationalization of bus-split at 400 kV Raigarh-PS (Kotra) station  | SR_EXPORT         |
| 6        | 03 Jul           | 04 Jul to 07 Jul   | TTC/ATC Revised due to the forced outage of HVDC Talcher - Kolar Pole - 1  | ER-SR             |
|          |                  | 04 Jul to 07 Jul   | TTC/ATC Revised due to the forced outage of HVDC Talcher - Kolar Pole - 1  | SR_IMPORT         |
| 7        | 06 Jul           | 08 Jul to 08 Jul   | TTC/ATC Revised due to the shutdown of 765KV/400KV MAHESHWARAM_PG-ICT-2  | WR-SR             |
|          |                  | 08 Jul to 08 Jul   | TTC/ATC Revised due to the shutdown of 765KV/400KV MAHESHWARAM_PG-ICT-2  | ER-SR             |
|          |                  | 08 Jul to 08 Jul   | TTC/ATC Revised due to the shutdown of 765KV/400KV MAHESHWARAM_PG-ICT-2  | SR_IMPORT         |
| 8        | 08 Jul           | 09 Jul to 31 Jul   | Both modules of OTPC are online  | ER-NER            |
|          |                  | 09 Jul to 31 Jul   | Both modules of OTPC are online  | NER-ER            |
|          |                  | 09 Jul to 31 Jul   | Both modules of OTPC are online  | NER_IMPORT        |
|          |                  | 09 Jul to 31 Jul   | Both modules of OTPC are online  | NER_EXPORT        |
| 9        | 12 Jul           | 14 Jul to 14 Jul   | Due to the shutdown of 400KV-JEYPORE-GAJUWAKA-1  | WR-SR             |



| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment                                     | Corridor Affected |
|----------|------------------|--------------------|---|-------------------|
|          |                  | 14 Jul to 14 Jul   | Due to the shutdown of 400KV-JEYPORE-GAJUWAKA-1                 | ER-SR             |
|          |                  | 14 Jul to 14 Jul   | Due to the shutdown of 400KV-JEYPORE-GAJUWAKA-1                 | SR_IMPORT         |
| 10       | 13 Jul           | 14 Jul to 14 Jul   | Due to deferment of shutdown of 400KV-JEYPORE-GAJUWAKA-1        | WR-SR             |
|          |                  | 14 Jul to 14 Jul   | Due to deferment of shutdown of 400KV-JEYPORE-GAJUWAKA-1        | ER-SR             |
|          |                  | 14 Jul to 14 Jul   | Due to deferment of shutdown of 400KV-JEYPORE-GAJUWAKA-1        | SR_IMPORT         |
| 11       | 16 Jul           | 18 Jul to 18 Jul   | TTC/ATC revised due to shutdown of 400 kV Bongaigaon - Brynihat | ER-NER            |
|          |                  | 18 Jul to 18 Jul   | TTC/ATC revised due to shutdown of 400 kV Bongaigaon - Brynihat | NER_IMPORT        |

| BASECASE LGBR |                            |                |                    |            |               |
|---------------|----------------------------|----------------|--------------------|------------|---------------|
|               |                            |                |                    | Month:     | July'23       |
| S.No.         | Name of State/Region       | Load           |                    | Generation |               |
|               |                            | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)  | Off Peak (MW) |
| I             | NORTHERN REGION            |                |                    |            |               |
| 1             | Punjab                     | 6187           | 4320               | 4431       | 2467          |
| 2             | Haryana                    | 6301           | 4633               | 2327       | 2029          |
| 3             | Rajasthan                  | 14634          | 8276               | 8964       | 6149          |
| 4             | Delhi                      | 4138           | 1632               | 530        | 506           |
| 5             | Uttar Pradesh              | 15439          | 10852              | 10732      | 7505          |
| 6             | Uttarakhand                | 1894           | 1473               | 383        | 297           |
| 7             | Himachal Pradesh           | 1707           | 1017               | 546        | 240           |
| 8             | Jammu & Kashmir            | 2488           | 2157               | 236        | 227           |
| 9             | Chandigarh                 | 197            | 89                 | 0          | 0             |
| 10            | ISGS/IPPs                  | 53             | 52                 | 21207      | 9340          |
|               | Total NR                   | 53038          | 34501              | 49356      | 28761         |
| II            | EASTERN REGION             |                |                    |            |               |
| 1             | Bihar                      | 4303           | 3220               | 484        | 409           |
| 2             | Jharkhand                  | 1498           | 1268               | 436        | 409           |
| 3             | Damodar Valley Corporation | 3224           | 3002               | 5182       | 4218          |
| 4             | Odisha                     | 5447           | 4870               | 3217       | 2628          |
| 5             | West Bengal                | 5848           | 4471               | 5542       | 4582          |
| 6             | Sikkim                     | 103            | 55                 | 0          | 0             |

|     |                        |        |        |        |        |
|-----|------------------------|--------|--------|--------|--------|
| 7   | Bhutan                 | 57     | 56     | 107    | 68     |
| 8   | ISGS/IPPs              | 748    | 698    | 14253  | 11518  |
|     | Total ER               | 21230  | 17642  | 29221  | 23833  |
|     |                        |        |        |        |        |
| III | WESTERN REGION         |        |        |        |        |
| 1   | Maharashtra            | 24497  | 17173  | 16678  | 12825  |
| 2   | Gujarat                | 18565  | 15139  | 8330   | 8534   |
| 3   | Madhya Pradesh         | 15672  | 9581   | 6140   | 4836   |
| 4   | Chattisgarh            | 4723   | 3510   | 2439   | 2625   |
| 5   | Daman and Diu          | 0      | 0      | 0      | 0      |
| 6   | Dadra and Nagar Haveli | 903    | 910    | 0      | 0      |
| 7   | Goa-WR                 | 538    | 427    | 0      | 0      |
| 8   | ISGS/IPPs              | 5326   | 4186   | 46483  | 31327  |
|     | Total WR               | 70222  | 50926  | 80070  | 60147  |
|     |                        |        |        |        |        |
| IV  | SOUTHERN REGION        |        |        |        |        |
| 1   | Andhra Pradesh         | 10976  | 7444   | 6488   | 4721   |
| 2   | Telangana              | 12210  | 9955   | 7160   | 4955   |
| 3   | Karnataka              | 13204  | 8407   | 7228   | 5718   |
| 4   | Tamil Nadu             | 16464  | 13330  | 9475   | 5630   |
| 5   | Kerala                 | 3474   | 3023   | 1037   | 583    |
| 6   | Pondy                  | 385    | 377    | 0      | 0      |
| 7   | Goa-SR                 | 90     | 88     | 0      | 0      |
| 8   | ISGS/IPPs              | 0      | 0      | 19219  | 15358  |
|     | Total SR               | 56804  | 42625  | 50606  | 36964  |
|     |                        |        |        |        |        |
| V   | NORTH-EASTERN REGION   |        |        |        |        |
| 1   | Arunachal Pradesh      | 123    | 94     | 7      | 7      |
| 2   | Assam                  | 1193   | 1068   | 289    | 292    |
| 3   | Manipur                | 188    | 118    | 0      | 0      |
| 4   | Meghalaya              | 367    | 288    | 100    | 24     |
| 5   | Mizoram                | 92     | 63     | 33     | 54     |
| 6   | Nagaland               | 160    | 162    | 18     | 17     |
| 7   | Tripura                | 214    | 229    | 164    | 159    |
| 8   | ISGS/IPPs              | 0      | 0      | 2248   | 2153   |
|     | Total NER              | 2338   | 2022   | 2859   | 2707   |
|     |                        |        |        |        |        |
|     | Total All India        | 203632 | 147716 | 212112 | 152412 |