

| National Load Despatch Centre<br>Total Transfer Capability for Oct 2024 |                  |                  |                                |                        |                                    |                  |                       |                                  |  |
|---|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|--|
| Issue Date:Oct 15 2024  |                  |                  |                                | Issue Time:18:03:45    |                                    |                  |                       | Revision No :15                  |  |
| Corridor  | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment  |
| ER-NER  | 01 Oct to 31 Oct | 00:00 to 18:00   | 2000                           | 60                     | 1940                               | NA               |                       | 0                                |  |
|   |                  | 18:00 to 22:00   | 1600                           | 60                     | 1540                               | NA               |                       | 0                                |  |
|   |                  | 22:00 to 24:00   | 2000                           | 60                     | 1940                               | NA               |                       | 0                                |  |
| ER-NR   | 01 Oct to 02 Oct | 00:00 to 24:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   | 03 Oct to 03 Oct | 00:00 to 09:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   |                  | 09:00 to 24:00   | 6000                           | 400                    | 5600                               | NA               |                       | 0                                |  |
|   | 04 Oct to 04 Oct | 00:00 to 24:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   | 05 Oct to 05 Oct | 00:00 to 09:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   |                  | 09:00 to 24:00   | 5700                           | 400                    | 5300                               | NA               |                       | 0                                |  |
|   | 06 Oct to 06 Oct | 00:00 to 06:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   |                  | 06:00 to 24:00   | 6250                           | 400                    | 5850                               | NA               |                       | 0                                |  |
|   | 07 Oct to 08 Oct | 00:00 to 24:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   | 09 Oct to 09 Oct | 00:00 to 08:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   |                  | 08:00 to 24:00   | 6350                           | 400                    | 5950                               | NA               |                       | 0                                |  |
|   | 10 Oct to 13 Oct | 00:00 to 24:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   | 14 Oct to 14 Oct | 00:00 to 08:00   | 6700                           | 400                    | 6300                               | NA               |                       | 0                                |  |
|   |                  | 08:00 to 24:00   | 6400                           | 400                    | 6000                               | NA               |                       | 0                                |  |
|   | 15 Oct to 31 Oct | 00:00 to 24:00   | 6700                           | 400                    | 6300                               | NA               |                       | 0                                |  |
| ER-SR   | 01 Oct to 16 Oct | 00:00 to 06:00   | 6200                           | 350                    | 5850                               | NA               |                       | 0                                |  |
|   |                  | 06:00 to 18:00   | 6200                           | 350                    | 5850                               | NA               |                       | 0                                |  |
|   |                  | 18:00 to 24:00   | 6200                           | 350                    | 5850                               | NA               |                       | 0                                |  |
|   | 17 Oct to 17 Oct | 00:00 to 06:00   | 6200                           | 350                    | 5850                               | NA               |                       | 0                                |  |
|   |                  | 06:00 to 24:00   | 6150                           | 350                    | 5800                               | NA               |                       | -50                              | TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2 |
|   | 18 Oct to 31 Oct | 00:00 to 24:00   | 6200                           | 350                    | 5850                               | NA               |                       | 0                                |  |

| Corridor     | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment |
|--------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|---------|
| ER-W3        | 01 Oct to 31 Oct | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |                  |                       |                                  |         |
| ER-WR        | 01 Oct to 31 Oct | 00:00 to 24:00   | NA                             | NA                     |                                    | NA               |                       | 0                                |         |
| NER-ER       | 01 Oct to 31 Oct | 00:00 to 18:00   | 3700                           | 60                     | 3640                               | NA               |                       | 0                                |         |
|              |                  | 18:00 to 22:00   | 3700                           | 60                     | 3640                               | NA               |                       | 0                                |         |
|              |                  | 22:00 to 24:00   | 3700                           | 60                     | 3640                               | NA               |                       | 0                                |         |
| NR-ER        | 01 Oct to 31 Oct | 00:00 to 06:00   | 4000                           | 300                    | 3700                               | NA               |                       | 0                                |         |
|              |                  | 06:00 to 18:00   | 4000                           | 300                    | 3700                               | NA               |                       | 0                                |         |
|              |                  | 18:00 to 24:00   | 4000                           | 300                    | 3700                               | NA               |                       | 0                                |         |
| NR-WR        | 01 Oct to 31 Oct | 00:00 to 06:00   | 6000                           | 500                    | 5500                               | NA               |                       | 0                                |         |
|              |                  | 06:00 to 18:00   | 6000                           | 500                    | 5500                               | NA               |                       | 0                                |         |
|              |                  | 18:00 to 24:00   | 6000                           | 500                    | 5500                               | NA               |                       | 0                                |         |
| SR-ER        | 01 Oct to 31 Oct | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |                  |                       |                                  |         |
| SR-WR        | 01 Oct to 31 Oct | 00:00 to 06:00   | 7200                           | 650                    | 6550                               | NA               |                       | 0                                |         |
|              |                  | 06:00 to 18:00   | 7100                           | 650                    | 6450                               | NA               |                       | 0                                |         |
|              |                  | 18:00 to 24:00   | 7200                           | 650                    | 6550                               | NA               |                       | 0                                |         |
| W3 Injection | 01 Oct to 31 Oct | 00:00 to 24:00   | NA                             | NA                     |                                    | NA               |                       | 0                                |         |
| W3-ER        | 01 Oct to 31 Oct | 00:00 to 24:00   | No limit is being specified.   |                        |                                    |                  |                       |                                  |         |
| WR-ER        | 01 Oct to 31 Oct | 00:00 to 06:00   | 5500                           | 300                    | 5200                               | NA               |                       | 0                                |         |
|              |                  | 06:00 to 18:00   | 5500                           | 300                    | 5200                               | NA               |                       | 0                                |         |
|              |                  | 18:00 to 24:00   | 5500                           | 300                    | 5200                               | NA               |                       | 0                                |         |
| WR-NR        | 01 Oct to 02 Oct | 00:00 to 09:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|              |                  | 09:00 to 15:00   | 17600                          | 1000                   | 16600                              | NA               |                       | 0                                |         |
|              |                  | 15:00 to 16:00   | 18700                          | 1000                   | 17700                              | NA               |                       | 0                                |         |
|              |                  | 16:00 to 24:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|              | 03 Oct to 03 Oct | 00:00 to 09:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|              |                  | 09:00 to 15:00   | 16900                          | 1000                   | 15900                              | NA               |                       | 0                                |         |
|              |                  | 15:00 to 16:00   | 18000                          | 1000                   | 17000                              | NA               |                       | 0                                |         |
|              |                  | 16:00 to 24:00   | 23250                          | 1000                   | 22250                              | NA               |                       | 0                                |         |

| Corridor | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|---------|
|          | 04 Oct to 04 Oct | 00:00 to 09:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 17600                          | 1000                   | 16600                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 18700                          | 1000                   | 17700                              | NA               |                       | 0                                |         |
|          |                  | 16:00 to 24:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          | 05 Oct to 05 Oct | 00:00 to 09:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 15850                          | 1000                   | 14850                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 16950                          | 1000                   | 15950                              | NA               |                       | 0                                |         |
|          |                  | 16:00 to 24:00   | 22200                          | 1000                   | 21200                              | NA               |                       | 0                                |         |
|          | 06 Oct to 06 Oct | 00:00 to 06:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          |                  | 06:00 to 09:00   | 23650                          | 1000                   | 22650                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 17300                          | 1000                   | 16300                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 18400                          | 1000                   | 17400                              | NA               |                       | 0                                |         |
|          |                  | 16:00 to 24:00   | 23650                          | 1000                   | 22650                              | NA               |                       | 0                                |         |
|          | 07 Oct to 08 Oct | 00:00 to 09:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 17600                          | 1000                   | 16600                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 18700                          | 1000                   | 17700                              | NA               |                       | 0                                |         |
|          |                  | 16:00 to 24:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          | 09 Oct to 09 Oct | 00:00 to 08:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          |                  | 08:00 to 09:00   | 23900                          | 1000                   | 22900                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 17550                          | 1000                   | 16550                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 18650                          | 1000                   | 17650                              | NA               |                       | 0                                |         |
|          |                  | 16:00 to 24:00   | 23900                          | 1000                   | 22900                              | NA               |                       | 0                                |         |
|          | 10 Oct to 13 Oct | 00:00 to 09:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 17600                          | 1000                   | 16600                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 18700                          | 1000                   | 17700                              | NA               |                       | 0                                |         |
|          |                  | 16:00 to 24:00   | 23950                          | 1000                   | 22950                              | NA               |                       | 0                                |         |
|          | 14 Oct to 14 Oct | 00:00 to 08:00   | 24800                          | 1000                   | 23800                              | NA               |                       | 0                                |         |
|          |                  | 08:00 to 09:00   | 23200                          | 1000                   | 22200                              | NA               |                       | 0                                |         |
|          |                  | 09:00 to 15:00   | 16850                          | 1000                   | 15850                              | NA               |                       | 0                                |         |
|          |                  | 15:00 to 16:00   | 17950                          | 1000                   | 16950                              | NA               |                       | 0                                |         |

| Corridor | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment  |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|--|
|          | 15 Oct to 31 Oct | 16:00 to 24:00   | 23200                          | 1000                   | 22200                              | NA               |                       | 0                                |  |
|          |                  | 00:00 to 09:00   | 24800                          | 1000                   | 23800                              | NA               |                       | 0                                |  |
|          |                  | 09:00 to 15:00   | 18450                          | 1000                   | 17450                              | NA               |                       | 0                                |  |
|          |                  | 15:00 to 16:00   | 19550                          | 1000                   | 18550                              | NA               |                       | 0                                |  |
|          |                  | 16:00 to 24:00   | 24800                          | 1000                   | 23800                              | NA               |                       | 0                                |  |
| WR-SR    | 01 Oct to 16 Oct | 00:00 to 06:00   | 16100                          | 650                    | 15450                              | NA               |                       | 0                                |  |
|          |                  | 06:00 to 18:00   | 16100                          | 650                    | 15450                              | NA               |                       | 0                                |  |
|          |                  | 18:00 to 24:00   | 16100                          | 650                    | 15450                              | NA               |                       | 0                                |  |
|          | 17 Oct to 17 Oct | 00:00 to 06:00   | 16100                          | 650                    | 15450                              | NA               |                       | 0                                |  |
|          |                  | 06:00 to 24:00   | 15950                          | 650                    | 15300                              | NA               |                       | -150                             | TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2 |
|          | 18 Oct to 31 Oct | 00:00 to 24:00   | 16100                          | 650                    | 15450                              | NA               |                       | 0                                |  |

- Based on the actual distribution of corridor flows, Counter flow benefit on account of 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
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|---------|
| ER       | 01 Oct to 31 Oct | 00:00 to 24:00   | NA                             | NA                     |                                    | 3222             | 0                     | 0                                |         |
| NER      | 01 Oct to 31 Oct | 00:00 to 18:00   | 1500                           | 60                     | 1440                               | 824              | 616                   | 0                                |         |
|          |                  | 18:00 to 22:00   | 1100                           | 60                     | 1040                               | 824              | 216                   | 0                                |         |
|          |                  | 22:00 to 24:00   | 1500                           | 60                     | 1440                               | 824              | 616                   | 0                                |         |
| NR       | 01 Oct to 02 Oct | 00:00 to 09:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 18500                          | 1400                   | 17100                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 19600                          | 1400                   | 18200                              | 17344            | 856                   | 0                                |         |

| Corridor | Date             | Time Period(hrs) | Total Transfer Capability(TTC) | Reliability Margin(RM) | Available Transfer Capability(ATC) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|---------|
|          | 03 Oct to 03 Oct | 16:00 to 24:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 00:00 to 09:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 17400                          | 1400                   | 16000                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 18500                          | 1400                   | 17100                              | 17344            | 0                     | 0                                |         |
|          |                  | 16:00 to 24:00   | 26150                          | 1400                   | 24750                              | 17344            | 7406                  | 0                                |         |
|          | 04 Oct to 04 Oct | 00:00 to 09:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 18500                          | 1400                   | 17100                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 19600                          | 1400                   | 18200                              | 17344            | 856                   | 0                                |         |
|          |                  | 16:00 to 24:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          | 05 Oct to 05 Oct | 00:00 to 09:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 16050                          | 1400                   | 14650                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 17150                          | 1400                   | 15750                              | 17344            | 0                     | 0                                |         |
|          |                  | 16:00 to 24:00   | 24800                          | 1400                   | 23400                              | 17344            | 6056                  | 0                                |         |
|          | 06 Oct to 06 Oct | 00:00 to 06:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 06:00 to 09:00   | 26800                          | 1400                   | 25400                              | 17344            | 8056                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 18050                          | 1400                   | 16650                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 19150                          | 1400                   | 17750                              | 17344            | 406                   | 0                                |         |
|          |                  | 16:00 to 24:00   | 26800                          | 1400                   | 25400                              | 17344            | 8056                  | 0                                |         |
|          | 07 Oct to 08 Oct | 00:00 to 09:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 18500                          | 1400                   | 17100                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 19600                          | 1400                   | 18200                              | 17344            | 856                   | 0                                |         |
|          |                  | 16:00 to 24:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          | 09 Oct to 09 Oct | 00:00 to 08:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 08:00 to 09:00   | 27150                          | 1400                   | 25750                              | 17344            | 8406                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 18400                          | 1400                   | 17000                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 19500                          | 1400                   | 18100                              | 17344            | 756                   | 0                                |         |
|          |                  | 16:00 to 24:00   | 27150                          | 1400                   | 25750                              | 17344            | 8406                  | 0                                |         |
|          | 10 Oct to 13 Oct | 00:00 to 09:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |         |
|          |                  | 09:00 to 15:00   | 18500                          | 1400                   | 17100                              | 17344            | 0                     | 0                                |         |
|          |                  | 15:00 to 16:00   | 19600                          | 1400                   | 18200                              | 17344            | 856                   | 0                                |         |

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|------------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|--|
|                  |                  | 16:00 to 24:00   | 27250                          | 1400                   | 25850                              | 17344            | 8506                  | 0                                |  |
|                  | 14 Oct to 14 Oct | 00:00 to 08:00   | 28400                          | 1400                   | 27000                              | 17344            | 9656                  | 0                                |  |
|                  |                  | 08:00 to 09:00   | 26500                          | 1400                   | 25100                              | 17344            | 7756                  | 0                                |  |
|                  |                  | 09:00 to 15:00   | 17750                          | 1400                   | 16350                              | 17344            | 0                     | 0                                |  |
|                  |                  | 15:00 to 16:00   | 18850                          | 1400                   | 17450                              | 17344            | 106                   | 0                                |  |
|                  |                  | 16:00 to 24:00   | 26500                          | 1400                   | 25100                              | 17344            | 7756                  | 0                                |  |
|                  | 15 Oct to 31 Oct | 00:00 to 09:00   | 28400                          | 1400                   | 27000                              | 17344            | 9656                  | 0                                |  |
|                  |                  | 09:00 to 15:00   | 19650                          | 1400                   | 18250                              | 17344            | 906                   | 0                                |  |
|                  |                  | 15:00 to 16:00   | 20750                          | 1400                   | 19350                              | 17344            | 2006                  | 0                                |  |
|                  |                  | 16:00 to 24:00   | 28400                          | 1400                   | 27000                              | 17344            | 9656                  | 0                                |  |
| SR               | 01 Oct to 16 Oct | 00:00 to 06:00   | 22300                          | 1000                   | 21300                              | 7601             | 13699                 | 0                                |  |
|                  |                  | 06:00 to 18:00   | 22300                          | 1000                   | 21300                              | 7601             | 13699                 | 0                                |  |
|                  |                  | 18:00 to 24:00   | 22300                          | 1000                   | 21300                              | 7601             | 13699                 | 0                                |  |
|                  | 17 Oct to 17 Oct | 00:00 to 06:00   | 22300                          | 1000                   | 21300                              | 7601             | 13699                 | 0                                |  |
|                  |                  | 06:00 to 24:00   | 22100                          | 1000                   | 21100                              | 7601             | 13499                 | -200                             | TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2 |
| 18 Oct to 31 Oct | 00:00 to 24:00   | 22300            | 1000                           | 21300                  | 7601                               | 13699            | 0                     |                                  |  |
| WR               | 01 Oct to 31 Oct | 00:00 to 24:00   | NA                             | NA                     |                                    | 7813             | 0                     | 0                                |  |

- Based on the actual distribution of corridor flows, Counter flow benefit on account of 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
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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.
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- 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) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|---------|
| ER       | 01 Oct to 31 Oct | 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) | Approved GNA(MW) | Margin for T-GNA (MW) | Changes w.r.t. Previous Revision | Comment |
|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|------------------|-----------------------|----------------------------------|---------|
| NER      | 01 Oct to 31 Oct | 00:00 to 18:00   | 3200                           | 60                     | 3140                               | NA               |                       | 0                                |         |
|          |                  | 18:00 to 22:00   | 3200                           | 60                     | 3140                               | NA               |                       | 0                                |         |
|          |                  | 22:00 to 24:00   | 3200                           | 60                     | 3140                               | NA               |                       | 0                                |         |
| NR       | 01 Oct to 31 Oct | 00:00 to 06:00   | 6000                           | 500                    | 5500                               | NA               |                       | 0                                |         |
|          |                  | 06:00 to 18:00   | 6000                           | 500                    | 5500                               | NA               |                       | 0                                |         |
|          |                  | 18:00 to 24:00   | 6000                           | 500                    | 5500                               | NA               |                       | 0                                |         |
| SR       | 01 Oct to 31 Oct | 00:00 to 06:00   | 6400                           | 650                    | 5750                               | NA               |                       | 0                                |         |
|          |                  | 06:00 to 18:00   | 6400                           | 650                    | 5750                               | NA               |                       | 0                                |         |
|          |                  | 18:00 to 24:00   | 6400                           | 650                    | 5750                               | NA               |                       | 0                                |         |
| WR       | 01 Oct to 31 Oct | 00:00 to 24:00   | NA                             | NA                     |                                    | NA               |                       | 0                                |         |

- Based on the actual distribution of corridor flows, Counter flow benefit on account of 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
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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

## Limiting Constraints

| Corridor   | Constraints  | Revisions |
|------------|--|-----------|
| WR-NR      | 1. N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit 2. Low Voltages in major load Centres in the northern region during solar hours. 3. High loading of 765 KV Aligarh-Gr. Noida under N-1 contingency of 765 KV Bara-Mainpuri ckt  | 0-15      |
| 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   | 0-15      |
| 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   | 0-15      |
| ER-NR      | Inter-regional flow pattern towards NR   | 0-15      |
| WR-SR      | Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT   | 0-15      |
| ER-SR      | 1. Low Voltage at Gazuwaka (East) Bus.   | 0-15      |
| SR-WR      | a) Angular separation between Kudgi & Kolhapur (PG) under N-1 touches 30 deg. b) N-1 Contingency of 765/400 kV, 1500 MVA ICTs at Raichur - PG will overload the other circuit. c) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar & and vice-versa. d) N-1 Contingency of 400 kV Kolhapur – Karad D/C will overload the other circuit. e) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh – PS (Kotra) with operation of HVDC Raigarh – Pugalur Bipole – 1 in SR-WR direction | 0-15      |
| ER-NER     | N-1 contingency of 400 kV Bongaigaon - Azara line will lead to high Loading of 220 kV Balipara-Sonabil D/C   | 0-15      |
| NER-ER     | N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II will lead to the High Loading of 400 kV Bongaigaon-Alipurduar II or I  | 0-15      |
| NR_IMPORT  | 1. N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit 2. Low Voltages in major load Centres in the northern region during solar hours. 3. High loading of 765 KV Aligarh-Gr. Noida under N-1 contingency of 765 KV Bara-Mainpuri ckt 4. Inter-regional flow pattern towards NR  | 0-15      |
| NR_EXPORT  | Outage of any one of the two circuits from 400 kV Kankroli to 400 kV Zerda shall overload the other circuit.   | 0-15      |
| NER_IMPORT | N-1 contingency of 400 kV Bongaigaon - Azara line will lead to high Loading of 220 kV Balipara-Sonabil D/C   | 0-15      |
| NER_EXPORT | N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II will lead to the High Loading of 400 kV Bongaigaon-Alipurduar II or I  | 0-15      |

| Corridor  | Constraints  | Revisions |
|-----------|--|-----------|
| SR_IMPORT | 1. Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT 2. Low Voltage at Gazuwaka (East) Bus  | 0-15      |
| SR_EXPORT | a) Angular separation between Kudgi & Kolhapur (PG) under N-1 touches 30 deg. b) N-1 Contingency of 765/400 kV, 1500 MVA ICTs at Raichur - PG will overload the other circuit. c) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar & and vice-versa. d) N-1 Contingency of 400 kV Kolhapur – Karad D/C will overload the other circuit. e) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh – PS (Kotra) with operation of HVDC Raigarh – Pugalur Bipole – 1 in SR-WR direction | 0-15      |

## Revision Summary

| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment   | Corridor Affected |
|----------|------------------|--------------------|---|-------------------|
| 1        | 28 Dec           | 01 Oct to 31 Oct   | Change in T-GNA Margin due to grant of additional 174 MW GNA to Uttar Pradesh from outside Northern Region  | NR_IMPORT         |
|          |                  | 01 Oct to 31 Oct   | Change in T-GNA Margin due to grant of additional 55 MW GNA to Mizoram from outside North Eastern Region  | NER_IMPORT        |
| 2        | 26 Jan           | 01 Oct to 31 Oct   | TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR   | WR-NR             |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR   | ER-NR             |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB   | WR-SR             |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB   | ER-SR             |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR   | NR_IMPORT         |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB   | SR_IMPORT         |
| 3        | 28 Feb           | 01 Oct to 31 Oct   | Revised T-GNA margin due to approval of 500 MW GNA for Andhra Pradesh from Outside Southern Region  | SR_IMPORT         |
| 4        | 28 Mar           | 01 Oct to 31 Oct   | Enhancement in TTC due to Bypassing of 400 kV Kankroli - Bhinmal and 400 kV Bhinmal - Zerda at Bhinmal - PG (Temporary Arrangement) & revival of 400 KV Jodhpur-Kankroli-S/C after reconductoring                 | NR-WR             |
|          |                  | 01 Oct to 31 Oct   | Enhancement in TTC due to Bypassing of 400 kV Kankroli - Bhinmal and 400 kV Bhinmal - Zerda at Bhinmal - PG (Temporary Arrangement) & revival of 400 KV Jodhpur-Kankroli-S/C after reconductoring                 | NR_EXPORT         |
| 5        | 28 Apr           | 01 Oct to 31 Oct   | 1. Revised T-GNA margin due to approval of 6.54 MW GNA for Arunachal Pradesh from Outside North-Eastern Region. 2. Revised T-GNA margin due to approval of 371 MW GNA for Assam from Outside North-Eastern Region | NER_IMPORT        |
|          |                  | 01 Oct to 31 Oct   | Revised T-GNA margin due to approval of 25 MW GNA for Goa from Outside Western Region   | WR_IMPORT         |
|          |                  | 01 Oct to 31 Oct   | Revised T-GNA margin due to approval of 500 MW GNA for Karnataka from Outside Southern Region   | SR_IMPORT         |
|          |                  | 01 Oct to 31 Oct   | Revised T-GNA margin due to approval of 24 MW GNA for West Bengal from Outside Eastern Region   | ER_IMPORT         |
| 6        | 28 Aug           | 01 Oct to 31 Oct   | TTC/ATC revised due to change in LGB  | WR-NR             |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC revised due to change in LGB  | SR-WR             |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC revised due to change in LGB  | NR_IMPORT         |
|          |                  | 01 Oct to 31 Oct   | TTC/ATC revised due to change in LGB  | SR_EXPORT         |
| 7        | 29 Sep           | 01 Oct to 31 Oct   | Due to forced outage of 765 kV Agra Gwalior ckt 1   | WR-NR             |
|          |                  | 01 Oct to 31 Oct   | Due to forced outage of 765 kV Agra Gwalior ckt 1   | ER-NR             |
|          |                  | 01 Oct to 31 Oct   | Due to change in LGBR   | ER-NER            |
|          |                  | 01 Oct to 31 Oct   | Due to change in LGBR   | NER-ER            |



| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment  | Corridor Affected |
|----------|------------------|--------------------|--|-------------------|
|          |                  | 01 Oct to 31 Oct   | Due to forced outage of 765 kV Agra Gwalior ckt 1  | NR_IMPORT         |
|          |                  | 01 Oct to 31 Oct   | Due to change in LGBR  | NER_IMPORT        |
|          |                  | 01 Oct to 31 Oct   | Due to change in LGBR  | NER_EXPORT        |
| 8        | 01 Oct           | 03 Oct to 03 Oct   | Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1  | WR-NR             |
|          |                  | 03 Oct to 03 Oct   | Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1  | ER-NR             |
|          |                  | 03 Oct to 03 Oct   | Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1  | NR_IMPORT         |
| 9        | 01 Oct           | 03 Oct to 03 Oct   | Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1  | WR-NR             |
|          |                  | 03 Oct to 03 Oct   | Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1  | ER-NR             |
|          |                  | 03 Oct to 03 Oct   | Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1  | NR_IMPORT         |
| 10       | 03 Oct           | 05 Oct to 05 Oct   | TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1  | WR-NR             |
|          |                  | 05 Oct to 05 Oct   | TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1  | ER-NR             |
|          |                  | 06 Oct to 31 Oct   | TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1  | NR_IMPORT         |
| 11       | 03 Oct           | 05 Oct to 05 Oct   | TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1  | NR_IMPORT         |
|          |                  | 06 Oct to 31 Oct   | TTC/ATC revised due to change in shutdown date of 765KV-SATNA-ORAI-1   | NR_IMPORT         |
| 12       | 04 Oct           | 06 Oct to 06 Oct   | TTC/ATC curtailed due to shutdown of Gwalior-Phagi-1   | WR-NR             |
|          |                  | 06 Oct to 06 Oct   | TTC/ATC curtailed due to shutdown of Gwalior-Phagi-1   | ER-NR             |
|          |                  | 06 Oct to 06 Oct   | TTC/ATC curtailed due to shutdown of Gwalior-Phagi-1   | NR_IMPORT         |
| 13       | 07 Oct           | 09 Oct to 09 Oct   | TTC/ATC curtailed due to shutdown of Gaya-Varanasi-2   | WR-NR             |
|          |                  | 09 Oct to 09 Oct   | TTC/ATC curtailed due to shutdown of Gaya-Varanasi-2   | ER-NR             |
|          |                  | 09 Oct to 09 Oct   | TTC/ATC curtailed due to shutdown of Gaya-Varanasi-2   | NR_IMPORT         |
| 14       | 12 Oct           | 14 Oct to 14 Oct   | TTC/ATC Revised due to Revival of 765KV Gwalior-Agra-1 and shutdown of 765 KV VARANASI(PG)-VINDHYACHALPOOL(PG) (PVTSL) CKT-2 | WR-NR             |
|          |                  | 14 Oct to 14 Oct   | TTC/ATC Revised due to Revival of 765KV Gwalior-Agra-1 and shutdown of 765 KV VARANASI(PG)-VINDHYACHALPOOL(PG) (PVTSL) CKT-2 | ER-NR             |
|          |                  | 14 Oct to 14 Oct   | TTC/ATC Revised due to Revival of 765KV Gwalior-Agra-1 and shutdown of 765 KV VARANASI(PG)-VINDHYACHALPOOL(PG) (PVTSL) CKT-2 | NR_IMPORT         |
| 15       | 15 Oct           | 17 Oct to 17 Oct   | TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2   | WR-SR             |
|          |                  | 17 Oct to 17 Oct   | TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2   | ER-SR             |
|          |                  | 17 Oct to 17 Oct   | TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2   | SR_IMPORT         |

## ASSUMPTIONS IN BASECASE

Month : Oct'24

| S.No. | Name of State/Area | Demand             |                 | Generation         |                 |
|-------|--------------------|--------------------|-----------------|--------------------|-----------------|
|       |                    | Non-Solar Peak(MW) | Solar Peak (MW) | Non-Solar Peak(MW) | Solar Peak (MW) |
| I     | NORTHERN REGION    |                    |                 |                    |                 |
| 1     | Punjab             | 7031               | 7510            | 4881               | 4940            |
| 2     | Haryana            | 7418               | 7386            | 3037               | 3499            |

|     |                            |        |        |        |        |
|-----|----------------------------|--------|--------|--------|--------|
| 3   | Rajasthan                  | 13248  | 16311  | 8225   | 10042  |
| 4   | Delhi                      | 4405   | 5136   | 564    | 545    |
| 5   | Uttar Pradesh              | 22062  | 18685  | 10734  | 11973  |
| 6   | Uttarakhand                | 2375   | 2108   | 694    | 463    |
| 7   | Himachal Pradesh           | 1985   | 1936   | 474    | 302    |
| 8   | Jammu & Kashmir            | 3311   | 2984   | 264    | 206    |
| 9   | Chandigarh                 | 266    | 258    | 0      | 0      |
| 10  | ISGS/IPPs                  | 105    | 105    | 18638  | 22308  |
|     | Total NR                   | 62206  | 62419  | 47511  | 54278  |
|     |                            |        |        |        |        |
| II  | EASTERN REGION             |        |        |        |        |
| 1   | Bihar                      | 5063   | 4065   | 464    | 458    |
| 2   | Jharkhand                  | 1407   | 1559   | 410    | 365    |
| 3   | Damodar Valley Corporation | 3416   | 3284   | 5273   | 5244   |
| 4   | Orissa                     | 5269   | 4919   | 3608   | 3496   |
| 5   | West Bengal                | 7175   | 6925   | 6049   | 5781   |
| 6   | Sikkim                     | 116    | 109    | 0      | 0      |
| 7   | Bhutan                     | 32     | 50     | 107    | 228    |
| 8   | ISGS/IPPs                  | 928    | 917    | 18890  | 15263  |
|     | Total ER                   | 23406  | 21828  | 34802  | 30835  |
|     |                            |        |        |        |        |
| III | WESTERN REGION             |        |        |        |        |
| 1   | Maharashtra                | 24878  | 25141  | 15943  | 16380  |
| 2   | Gujarat                    | 18292  | 17984  | 6324   | 6349   |
| 3   | Madhya Pradesh             | 15567  | 16371  | 6053   | 6073   |
| 4   | Chattisgarh                | 4447   | 4465   | 1823   | 1592   |
| 5   | DD & DNH                   | 984    | 867    | 0      | 0      |
| 6   | Goa-WR                     | 660    | 554    | 0      | 0      |
| 7   | ISGS/IPPs                  | 2463   | 1937   | 53004  | 49159  |
|     | Total WR                   | 67290  | 67320  | 83147  | 79553  |
|     |                            |        |        |        |        |
| IV  | SOUTHERN REGION            |        |        |        |        |
| 1   | Andhra Pradesh             | 8005   | 10681  | 6952   | 8203   |
| 2   | Telangana                  | 10834  | 14680  | 5212   | 6980   |
| 3   | Karnataka                  | 12118  | 15214  | 6579   | 9390   |
| 4   | Tamil Nadu                 | 16381  | 16743  | 6524   | 9609   |
| 5   | Kerala                     | 4221   | 3432   | 1510   | 340    |
| 6   | Pondy                      | 493    | 494    | 0      | 0      |
| 7   | Goa-SR                     | 109    | 109    | 0      | 0      |
| 8   | ISGS/IPPs                  | 0      | 0      | 19847  | 21748  |
|     | Total SR                   | 52162  | 61353  | 46623  | 56270  |
|     |                            |        |        |        |        |
| V   | NORTH-EASTERN REGION       |        |        |        |        |
| 1   | Arunachal Pradesh          | 166    | 101    | 0      | 0      |
| 2   | Assam                      | 1441   | 1146   | 275    | 428    |
| 3   | Manipur                    | 262    | 139    | 0      | 0      |
| 4   | Meghalaya                  | 471    | 350    | 144    | 12     |
| 5   | Mizoram                    | 171    | 141    | 33     | 8      |
| 6   | Nagaland                   | 158    | 120    | 15     | 7      |
| 7   | Tripura                    | 369    | 318    | 190    | 187    |
| 8   | ISGS/IPPs                  | 0      | 0      | 3308   | 2557   |
|     | Total NER                  | 3038   | 2314   | 3964   | 3200   |
|     |                            |        |        |        |        |
|     | Total All India            | 208065 | 215177 | 215925 | 223878 |