

| National Load Despatch Centre | | | | | | | | | |
|----------------------------------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|-----------------------------------------------------|---------------------------------------------------|----------------------------------|---------|
| Total Transfer Capability for Dec 2023 | | | | | | | | | |
| Issue Date:Sep 19 2023 | | | | Issue Time:18:01:50 | | | Revision No :1 | | |
| 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 Dec to 31 Dec | 00:00 to 07:00 | 1200 | 60 | 1140 | 460 | 680 | 0 | |
| | | 07:00 to 12:00 | 1080 | 60 | 1020 | 460 | 560 | 0 | |
| | | 12:00 to 18:00 | 1000 | 60 | 940 | 460 | 480 | 0 | |
| | | 18:00 to 22:00 | 800 | 60 | 740 | 460 | 280 | 0 | |
| | | 22:00 to 24:00 | 1200 | 60 | 1140 | 460 | 680 | 0 | |
| ER-NR | 01 Dec to 31 Dec | 00:00 to 24:00 | 8000 | 400 | 7600 | 5097 | 2503 | 0 | |
| ER-SR | 01 Dec to 31 Dec | 00:00 to 06:00 | 5700 | 350 | 5350 | 3078 | 2272 | 0 | |
| | | 06:00 to 18:00 | 5700 | 350 | 5350 | 3143 | 2207 | 0 | |
| | | 18:00 to 24:00 | 5700 | 350 | 5350 | 3078 | 2272 | 0 | |
| ER-W3 | 01 Dec to 31 Dec | 00:00 to 24:00 | No limit is being specified. | | | | | | |
| ER-WR | 01 Dec to 31 Dec | 00:00 to 24:00 | NA | NA | | NA | | 0 | |
| NER-ER | 01 Dec to 31 Dec | 00:00 to 07:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 07:00 to 12:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 12:00 to 18:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 18:00 to 22:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 22:00 to 24:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| NR-ER | 01 Dec to 31 Dec | 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 Dec to | 00:00 to 06:00 | 4000 | 500 | 3500 | 1547 | 1953 | 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 | |
|--------------|------------------|------------------|--------------------------------|------------------------|------------------------------------|-----------------------------------------------------|---------------------------------------------------|----------------------------------|-------------------------------------------------------------------|--|
| | 31 Dec | 06:00 to 18:00 | 4000 | 500 | 3500 | 6089 | 0 | 0 | | |
| | | 18:00 to 24:00 | 4000 | 500 | 3500 | 1547 | 1953 | 0 | | |
| SR-ER | 01 Dec to 31 Dec | 00:00 to 24:00 | No limit is being specified. | | | | | | | |
| SR-WR | 01 Dec to 31 Dec | 00:00 to 06:00 | 6000 | 650 | 5350 | 650 | 4700 | -1400 | TTC/ATC revised due to the change in LGB and network augmentation | |
| | | 06:00 to 18:00 | 7650 | 650 | 7000 | 850 | 6150 | 250 | | |
| | | 18:00 to 24:00 | 6000 | 650 | 5350 | 650 | 4700 | -1400 | | |
| W3 Injection | 01 Dec to 31 Dec | 00:00 to 24:00 | NA | NA | | NA | | 0 | | |
| W3-ER | 01 Dec to 31 Dec | 00:00 to 24:00 | No limit is being specified. | | | | | | | |
| WR-ER | 01 Dec to 31 Dec | 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 Dec to 31 Dec | 00:00 to 06:00 | 17800 | 1000 | 16800 | 11476 | 5324 | 0 | | |
| | | 06:00 to 18:00 | 17800 | 1000 | 16800 | 11800 | 5000 | 0 | | |
| | | 18:00 to 24:00 | 17800 | 1000 | 16800 | 11476 | 5324 | 0 | | |
| WR-SR | 01 Dec to 31 Dec | 00:00 to 06:00 | 11600 | 650 | 10950 | 3738 | 7212 | 0 | | |
| | | 06:00 to 18:00 | 11600 | 650 | 10950 | 4840 | 6110 | 0 | | |
| | | 18:00 to 24:00 | 11600 | 650 | 10950 | 3738 | 7212 | 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

- 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 KWPCPL), m)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 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 Dec to 31 Dec | 00:00 to 24:00 | NA | NA | | NA | | 0 | |
| NER | 01 Dec to 31 Dec | 00:00 to 07:00 | 1200 | 60 | 1140 | 460 | 680 | 0 | |
| | | 07:00 to 12:00 | 1080 | 60 | 1020 | 460 | 560 | 0 | |
| | | 12:00 to 18:00 | 1000 | 60 | 940 | 460 | 480 | 0 | |
| | | 18:00 to 22:00 | 800 | 60 | 740 | 460 | 280 | 0 | |
| | | 22:00 to 24:00 | 1200 | 60 | 1140 | 460 | 680 | 0 | |
| NR | 01 Dec to 31 Dec | 00:00 to 06:00 | 25800 | 1400 | 24400 | 16573 | 7827 | 0 | |
| | | 06:00 to 18:00 | 25800 | 1400 | 24400 | 16897 | 7503 | 0 | |
| | | 18:00 to 24:00 | 25800 | 1400 | 24400 | 16573 | 7827 | 0 | |
| SR | 01 Dec to 31 Dec | 00:00 to 06:00 | 17300 | 1000 | 16300 | 6816 | 9484 | 0 | |
| | | 06:00 to 18:00 | 17300 | 1000 | 16300 | 7983 | 8317 | 0 | |
| | | 18:00 to 24:00 | 17300 | 1000 | 16300 | 6816 | 9484 | 0 | |
| WR | 01 Dec to 31 Dec | 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
- 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 KWPCPL), m)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
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Simultaneous Export Capability

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|----------|------------------|------------------|--------------------------------|------------------------|------------------------------------|-----------------------------------------------------|---------------------------------------------------|----------------------------------|-------------------------------------------------------------------|
| ER | 01 Dec to 31 Dec | 00:00 to 24:00 | NA | NA | | NA | | 0 | |
| NER | 01 Dec to 31 Dec | 00:00 to 07:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 07:00 to 12:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 12:00 to 18:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 18:00 to 22:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| | | 22:00 to 24:00 | 3480 | 60 | 3420 | 116 | 3304 | 0 | |
| NR | 01 Dec to 31 Dec | 00:00 to 06:00 | 4000 | 500 | 3500 | 1672 | 1828 | 0 | |
| | | 06:00 to 18:00 | 4000 | 500 | 3500 | 8079 | 0 | 0 | |
| | | 18:00 to 24:00 | 4000 | 500 | 3500 | 1672 | 1828 | 0 | |
| SR | 01 Dec to 31 Dec | 00:00 to 06:00 | 5150 | 650 | 4500 | 2018 | 2482 | -1200 | TTC/ATC revised due to the change in LGB and network augmentation |
| | | 06:00 to 18:00 | 6600 | 650 | 5950 | 2369 | 3581 | 250 | |
| | | 18:00 to 24:00 | 5150 | 650 | 4500 | 2018 | 2482 | -1200 | |
| WR | 01 Dec to 31 Dec | 00:00 to 24:00 | NA | NA | | NA | | 0 | |

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Limiting Constraints

| Corridor | Constraints | Revisions |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| WR-NR | N-1 contingency of one ckt of 765 kV Vindhyaachal-Varanasi will overload the other circuit | 0-1 |
| 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 | 0-1 |
| 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 | 0-1 |
| ER-NR | Inter-regional flow pattern towards NR | 0-1 |
| WR-SR | N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT | 0-1 |
| ER-SR | Low Voltage at Gazuwaka (East) Bus. | 0-1 |
| SR-WR | a) Angular separati on between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg b) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Secti on– A at Raigarh - PS(Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WRDirecti on (Solar Hours) c) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Secti on– B at Raigarh -PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WRDirecti on (Solar Hours) d) N-1 Conti ngency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar &and vice-versa | 0-1 |
| ER-NER | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C | 0-1 |
| NER-ER | a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I | 0-1 |
| NR_IMPORT | N-1 contingency of one ckt of 765 kV Vindhyaachal-Varanasi will overload the other circuit | 0-1 |
| NR_EXPORT | (N-1) Contingency of 400 kV Kankroli-Zerda-S/C will overload 400 KV Bhinmal-Zerda-S/C | 0-1 |
| NER_IMPORT | a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C | 0-1 |
| NER_EXPORT | a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I | 0-1 |
| 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 | 0-1 |
| SR_EXPORT | a) Angular separati on between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg b) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Secti on– A at Raigarh - PS(Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WRDirecti on (Solar Hours) c) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Secti on– B at Raigarh -PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WRDirecti on (Solar Hours) d) N-1 Conti ngency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar &and vice-versa | 0-1 |

Revision Summary

| Revision | Date Of Revision | Period Of Revision | Reason for Revision/Comment | Corridor Affected |
|----------|------------------|--------------------|-------------------------------------------------------------------|-------------------|
| 1 | 19 Sep | 01 Dec to 31 Dec | TTC/ATC revised due to the change in LGB and network augmentation | SR-WR |
| | | 01 Dec to 31 Dec | TTC/ATC revised due to the change in LGB and network augmentation | SR_EXPORT |

| BASECASE LGBR | | | | | |
|---------------|----------------------|----------------|------------|-----------|---------------|
| S.No. | Name of State/Region | Load | Month: | Dec'23 | |
| | | Peak Load (MW) | Generation | Peak (MW) | Off Peak (MW) |
| I | NORTHERN REGION | | | | |
| 1 | Punjab | 6187 | | 4431 | 2467 |
| 2 | Haryana | 6301 | | 2327 | 2029 |
| 3 | Rajasthan | 14634 | | 8964 | 6149 |
| 4 | Delhi | 4138 | | 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/PPs | 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/PPs | 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/PPs | 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/PPs | 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/PPs | 0 | 0 | 2248 | 2153 |
| | Total NER | 2338 | 2022 | 2859 | 2707 |
| | | | | | |
| | Total All India | 203632 | 147716 | 212112 | 152412 |