

**National Load Despatch Centre**  
**Total Transfer Capability for November 2020**

Issue Date: 21st November 2020

Issue Time: 1700 hrs

Revision No. 13

| Corridor | Date                                     | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) # | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments   |
|----------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|--|
| NR-WR*   | 1st November 2020 to 30th November 2020  | 00-06             | 2500                            | 500                | 2000                                | 195  | 1805   |                                     |  |
|          |  | 06-18             |                                 |                    |                                     | 1281   | 719  |                                     |  |
|          |  | 18-24             |                                 |                    |                                     | 195  | 1805   |                                     |  |
| WR-NR*   | 1st November 2020 to 6th November 2020   | 00-06             | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 06-18             | 17200**                         | 16700**            | 9568**                              |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10997  | 6653   |                                     |  |
|          |  | 18-24             | 17200**                         | 16700**            | 10047**                             |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 17200**           | 16700**                         | 9568**             |                                     |  |  |                                     |  |
| WR-NR*   | 7th November 2020                        | 00-06             | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 06-08             | 17200**                         | 16700**            | 9568**                              |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10997  | 6653   |                                     |  |
|          |  | 08-18             | 17200**                         | 16700**            | 10047**                             |  |  |                                     |  |
|          |  |                   | 17400                           | 500                | 16900                               | 10997  | 5903   |                                     |  |
|          |  | 18-24             | 17400                           | 500                | 16900                               | 10518  | 6382   |                                     |  |
|          |  |                   | 16450**                         | 15950**            | 9568**                              |  |  |                                     |  |
|          |  | 16450**           | 15950**                         | 9568**             |                                     |  |  |                                     |  |
| WR-NR*   | 8th November 2020 to 22nd November 2020  | 00-06             | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 06-18             | 17200**                         | 16700**            | 9568**                              |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10997  | 6653   |                                     |  |
|          |  | 18-24             | 17200**                         | 16700**            | 10047**                             |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 17200**           | 16700**                         | 9568**             |                                     |  |  |                                     |  |
| WR-NR*   | 23rd November 2020                       | 00-06             | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     | Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C |
|          |  | 06-08             | 17200**                         | 16700**            | 9568**                              |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10997  | 6653   |                                     |  |
|          |  | 08-18             | 17200**                         | 16700**            | 10047**                             |  |  |                                     |  |
|          |  |                   | 17950                           | 500                | 17450                               | 10997  | 6453   | -200                                |  |
|          |  | 18-24             | 17950                           | 500                | 17450                               | 10518  | 6932   | -200                                |  |
|          |  |                   | 17000**                         | 16500**            | 9568**                              |  |  |                                     |  |
|          |  | 17000**           | 16500**                         | 9568**             |                                     |  |  |                                     |  |
| WR-NR*   | 24th November 2020 to 30th November 2020 | 00-06             | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 06-18             | 17200**                         | 16700**            | 9568**                              |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10997  | 6653   |                                     |  |
|          |  | 18-24             | 17200**                         | 16700**            | 10047**                             |  |  |                                     |  |
|          |  |                   | 18150                           | 500                | 17650                               | 10518  | 7132   |                                     |  |
|          |  | 17200**           | 16700**                         | 9568**             |                                     |  |  |                                     |  |
| NR-ER*   | 1st November 2020 to 30th November 2020  | 00-06             | 2000                            | 200                | 1800                                | 193  | 1607   |                                     |  |
|          |  | 06-18             | 2000                            |                    | 1800                                | 303  | 1497   |                                     |  |
|          |  | 18-24             | 2000                            |                    | 1800                                | 193  | 1607   |                                     |  |

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|--------------------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|--|
| ER-NR*             | 1st November 2020 to 6th November 2020   | 00-24             | 6250                            | 300                | 5950                                | 4066   | 1884   |                                     |  |
| ER-NR*             | 7th November 2020                        | 00-08             | 6250                            | 300                | 5950                                | 4066   | 1884   |                                     |  |
|                    |  | 08-24             | 5900                            | 300                | 5600                                | 4066   | 1534   |                                     |  |
| ER-NR*             | 8th November 2020 to 22nd November 2020  | 00-24             | 6250                            | 300                | 5950                                | 4066   | 1884   |                                     |  |
| ER-NR*             | 23rd November 2020                       | 00-08             | 6250                            | 300                | 5950                                | 4066   | 1884   |                                     |  |
|                    |  | 24-Aug            | 6100                            | 300                | 5800                                | 4066   | 1734   | -150                                | Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C |
| ER-NR*             | 24th November 2020 to 30th November 2020 | 00-24             | 6250                            | 300                | 5950                                | 4066   | 1884   |                                     |  |
| W3-ER              | 1st November 2020 to 30th November 2020  | 00-24             | No limit is being specified.    |                    |                                     |  |  |                                     |  |
| ER-W3              | 1st November 2020 to 30th November 2020  | 00-24             | No limit is being specified.    |                    |                                     |  |  |                                     |  |
| WR-SR <sup>^</sup> | 1st November 2020                        | 00-05             | 7250                            | 500                | 6750                                | 4073   | 2677   |                                     |  |
|                    |  | 05-22             | 7250                            |                    | 6750                                |  | 2677   |                                     |  |
|                    |  | 22-24             | 7250                            |                    | 6750                                |  | 2677   |                                     |  |
| WR-SR <sup>^</sup> | 2nd November 2020 to 5th November 2020   | 00-05             | 8000                            | 500                | 7500                                | 4073   | 3427   |                                     |  |
|                    |  | 05-22             | 8000                            |                    | 7500                                |  | 3427   |                                     |  |
|                    |  | 22-24             | 8000                            |                    | 7500                                |  | 3427   |                                     |  |
| WR-SR <sup>^</sup> | 6th November 2020 to 08th November 2020  | 00-05             | 8000                            | 500                | 7500                                | 4073   | 3427   |                                     |  |
|                    |  | 05-22             | 8000                            |                    | 7500                                |  | 3427   |                                     |  |
|                    |  | 22-24             | 8000                            |                    | 7500                                |  | 3427   |                                     |  |
| WR-SR <sup>^</sup> | 9th November 2020                        | 00-05             | 7350                            | 500                | 6850                                | 4073   | 2777   |                                     |  |
|                    |  | 05-22             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
|                    |  | 22-24             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
| WR-SR <sup>^</sup> | 10th November 2020 to 13th November 2020 | 00-05             | 7350                            | 500                | 6850                                | 4073   | 2777   |                                     |  |
|                    |  | 05-22             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
|                    |  | 22-24             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
| WR-SR <sup>^</sup> | 14th November 2020 to 19th November 2020 | 00-05             | 7350                            | 500                | 6850                                | 4073   | 2777   |                                     |  |
|                    |  | 05-22             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
|                    |  | 22-24             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
| WR-SR <sup>^</sup> | 20th November 2020                       | 00-05             | 7350                            | 500                | 6850                                | 4073   | 2777   |                                     |  |
|                    |  | 05-09             | 7350                            |                    | 6850                                |  | 2777   |                                     |  |
|                    |  | 09-22             | 6100                            |                    | 5600                                |  | 1527   |                                     |  |
|                    |  | 22-24             | 6100                            |                    | 5600                                |  | 1527   |                                     |  |

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|--------------------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| WR-SR <sup>^</sup> | 21st November 2020                       | 00-05             | 7350                            | 500                | 6850                                | 4073   | 2777   |                                     |          |
|                    |  | 05-22             | 7350                            |                    | 6850                                |  | 2777   |                                     |          |
|                    |  | 22-24             | 7350                            |                    | 6850                                |  | 2777   |                                     |          |
| WR-SR <sup>^</sup> | 22nd November 2020 to 25th November 2020 | 00-05             | 8000                            | 500                | 7500                                | 4073   | 3427   |                                     |          |
|                    |  | 05-22             | 8000                            |                    | 7500                                |  | 3427   |                                     |          |
|                    |  | 22-24             | 8000                            |                    | 7500                                |  | 3427   |                                     |          |
| WR-SR <sup>^</sup> | 26th November 2020 to 30th November 2020 | 00-05             | 8000                            | 500                | 7500                                | 4073   | 3427   |                                     |          |
|                    |  | 05-22             | 8000                            |                    | 7500                                |  | 3427   |                                     |          |
|                    |  | 22-24             | 8000                            |                    | 7500                                |  | 3427   |                                     |          |
| SR-WR <sup>*</sup> | 1st November 2020 to 30th November 2020  | 00-24             | 4600                            | 400                | 4200                                | 550  | 3650   |                                     |          |
| ER-SR <sup>^</sup> | 1st November 2020                        | 00-06             | 4800                            | 250                | 4550                                | 2673   | 1877   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 1792   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 1877   |                                     |          |
| ER-SR <sup>^</sup> | 2nd November 2020 to 05th November 2020  | 00-06             | 5900                            | 250                | 5650                                | 2673   | 2977   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2892   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2977   |                                     |          |
| ER-SR <sup>^</sup> | 6th November 2020 to 8th November 2020   | 00-06             | 5900                            | 250                | 5650                                | 2673   | 2977   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2892   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2977   |                                     |          |
| ER-SR <sup>^</sup> | 09th November 2020                       | 00-06             | 5850                            | 250                | 5600                                | 2673   | 2927   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2842   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2927   |                                     |          |
| ER-SR <sup>^</sup> | 10th November 2020 to 13th November 2020 | 00-06             | 5850                            | 250                | 5600                                | 2673   | 2927   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2842   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2927   |                                     |          |
| ER-SR <sup>^</sup> | 14th November 2020 to 19th November 2020 | 00-06             | 5850                            | 250                | 5600                                | 2673   | 2927   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2842   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2927   |                                     |          |
| ER-SR <sup>^</sup> | 20th November 2020                       | 00-06             | 5850                            | 250                | 5600                                | 2673   | 2927   |                                     |          |
|                    |  | 06-09             | 5850                            | 250                | 5600                                | 2758   | 2842   |                                     |          |
|                    |  | 09-18             | 5450                            | 250                | 5200                                | 2758   | 2442   |                                     |          |
|                    |  | 18-24             | 5450                            | 250                | 5200                                | 2673   | 2527   |                                     |          |
| ER-SR <sup>^</sup> | 21st November 2020                       | 00-06             | 5850                            | 250                | 5600                                | 2673   | 2927   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2842   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2927   |                                     |          |
| ER-SR <sup>^</sup> | 22nd November 2020 to 25th November 2020 | 00-06             | 5900                            | 250                | 5650                                | 2673   | 2977   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2892   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2977   |                                     |          |
| ER-SR <sup>^</sup> | 26th November 2020 to 30th November 2020 | 00-06             | 5900                            | 250                | 5650                                | 2673   | 2977   |                                     |          |
|                    |  | 06-18             |                                 |                    |                                     | 2758   | 2892   |                                     |          |
|                    |  | 18-24             |                                 |                    |                                     | 2673   | 2977   |                                     |          |
| SR-ER <sup>*</sup> | 1st November 2020 to 30th November 2020  | 00-24             | No limit is being Specified.    |                    |                                     |  |  |                                     |          |

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|----------|--|--|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|--|
| ER-NER*  | 1st November 2020 to 12th November 2020  | 00-02                                    | 1900                            | 45                 | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 02-07                                    | 1900                            |                    | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 07-12                                    | 1900                            |                    | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 12-17                                    | 1900                            |                    | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 17-18                                    | 1900                            |                    | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 18-22                                    | 1680                            |                    | 1635                                | 474  | 1161   |                                     |          |  |
|          |  | 22-23                                    | 1900                            |                    | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 23-24                                    | 1900                            |                    | 1855                                | 474  | 1381   |                                     |          |  |
|          | 13th November 2020                       | 00-08                                    | 1900                            | 45                 | 1855                                | 474  | 1381   |                                     |          |  |
|          |  | 08-18                                    | 1460                            |                    | 1415                                | 474  | 941  |                                     |          |  |
|          |  | 18-22                                    | 1180                            |                    | 1135                                | 474  | 661  |                                     |          |  |
|          |  | 22-24                                    | 1460                            |                    | 1415                                | 474  | 941  |                                     |          |  |
|          | ER-NER*                                  | 14th November 2020 to 30th November 2020 | 00-02                           | 1900               | 45                                  | 1855   | 474  | 1381                                |          |  |
|          |  |  | 02-07                           | 1900               |                                     | 1855   | 474  | 1381                                |          |  |
| 07-12    |  |  | 1900                            | 1855               |                                     | 474  | 1381   |                                     |          |  |
| 12-17    |  |  | 1900                            | 1855               |                                     | 474  | 1381   |                                     |          |  |
| 17-18    |  |  | 1900                            | 1855               |                                     | 474  | 1381   |                                     |          |  |
| 18-22    |  |  | 1680                            | 1635               |                                     | 474  | 1161   |                                     |          |  |
| 22-23    |  |  | 1900                            | 1855               |                                     | 474  | 1381   |                                     |          |  |
| 23-24    |  |  | 1900                            | 1855               |                                     | 474  | 1381   |                                     |          |  |
| NER-ER*  | 1st November 2020 to 12th November 2020  | 00-02                                    | 1800                            | 45                 | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 02-07                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 07-12                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 12-18                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 18-22                                    | 1900                            |                    | 1855                                | 42   | 1813   |                                     |          |  |
|          |  | 22-23                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 23-24                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
| NER-ER*  | 13th November 2020                       | 00-08                                    | 1800                            | 45                 | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 08-18                                    | 1350                            |                    | 1305                                | 42   | 1263   |                                     |          |  |
|          |  | 18-22                                    | 1510                            |                    | 1465                                | 42   | 1423   |                                     |          |  |
|          |  | 22-24                                    | 1350                            |                    | 1305                                | 42   | 1263   |                                     |          |  |
|          | 14th November 2020 to 30th November 2020 | 00-02                                    | 1800                            | 45                 | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 02-07                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 07-12                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 12-18                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 18-22                                    | 1900                            |                    | 1855                                | 42   | 1813   |                                     |          |  |
|          |  | 22-23                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |
|          |  | 23-24                                    | 1800                            |                    | 1755                                | 42   | 1713   |                                     |          |  |

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|--------------------------|---|-------------------|---|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| <b>W3 zone Injection</b> | 1st November 2020 to 30th November 2020 | 00-24             | No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly) |                    |                                     |  |  |                                     |          |

**Note: TTC/ATC of S1-(S2&S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.**

\* Fifty Percent (50 % ) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

\*\*Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

1) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala

2) W3 comprises of the following regional entities :

a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak  
f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, l) DB Power, m) KWPC, n) Vandana Vidyut o) RKM, p) GMR Raikheda, q) Ind Barath and any other regional entity generator in Chhattisgarh

# The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned the LTA/MTOA utilized would vary. RLDC/NLDC would factor this situation on day-ahead basis.

In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.

In case of TTC Revision due to any shutdown :

- 1) The TTC value will be revised to normal values after restoration of shutdown.
- 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.

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

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

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

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

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

| Simultaneous Import Capability |   |                   |                                 |                    |                                     |  |  |                                     |          |
|--------------------------------|---|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
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| NR*                            | 1st November 2020 to 6th November 2020  | 00-06             | 24400                           | 800                | 23600                               | 14584  | 9016   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 13634**  |  |                                     |          |
|                                |   | 06-09             | 24400                           |                    | 23600                               | 15063  | 8537   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 14113**  |  |                                     |          |
|                                |   | 09-17             | 24400                           |                    | 23600                               | 15063  | 8537   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 14113**  |  |                                     |          |
| 17-18                          | 24400                                   | 23600             | 15063                           | 8537               |                                     |  |  |                                     |          |
|                                | 23450**                                 | 22650**           | 14113**                         |                    |                                     |  |  |                                     |          |
| NR*                            | 7th November 2020                       | 00-06             | 24400                           | 800                | 23600                               | 14584  | 9016   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 13634**  |  |                                     |          |
|                                |   | 06-08             | 24400                           |                    | 23600                               | 15063  | 8537   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 14113**  |  |                                     |          |
|                                |   | 08-09             | 23300                           |                    | 22500                               | 15063  | 7437   |                                     |          |
|                                |   |                   | 22350**                         |                    | 21550**                             | 14113**  |  |                                     |          |
| 09-17                          | 23300                                   | 22500             | 15063                           | 7437               |                                     |  |  |                                     |          |
|                                | 22350**                                 | 21550**           | 14113**                         |                    |                                     |  |  |                                     |          |
| 17-18                          | 23300                                   | 22500             | 15063                           | 7437               |                                     |  |  |                                     |          |
|                                | 22350**                                 | 21550**           | 14113**                         |                    |                                     |  |  |                                     |          |
| NR*                            | 8th November 2020 to 22nd November 2020 | 00-06             | 24400                           | 800                | 23600                               | 14584  | 9016   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 13634**  |  |                                     |          |
|                                |   | 06-09             | 24400                           |                    | 23600                               | 15063  | 8537   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 14113**  |  |                                     |          |
|                                |   | 09-17             | 24400                           |                    | 23600                               | 15063  | 8537   |                                     |          |
|                                |   |                   | 23450**                         |                    | 22650**                             | 14113**  |  |                                     |          |
| 17-18                          | 24400                                   | 23600             | 15063                           | 8537               |                                     |  |  |                                     |          |
|                                | 23450**                                 | 22650**           | 14113**                         |                    |                                     |  |  |                                     |          |
| 18-24                          | 24400                                   | 23600             | 14584                           | 9016               |                                     |  |  |                                     |          |
|                                | 23450**                                 | 22650**           | 13634**                         |                    |                                     |  |  |                                     |          |



|             |  |       |       |     |       |      |      |  |
|-------------|--|-------|-------|-----|-------|------|------|--|
| <b>SR**</b> | 1st November 2020                        | 00-06 | 12050 | 750 | 11300 | 6746 | 4554 |  |
|             |  | 06-18 | 12050 |     | 11300 | 6831 | 4469 |  |
|             |  | 18-24 | 12050 |     | 11300 | 6746 | 4554 |  |
| <b>SR**</b> | 2nd November 2020 to 5th November 2020   | 00-06 | 13900 | 750 | 13150 | 6746 | 6404 |  |
|             |  | 06-18 | 13900 |     | 13150 | 6831 | 6319 |  |
|             |  | 18-24 | 13900 |     | 13150 | 6746 | 6404 |  |
| <b>SR**</b> | 6th November 2020 to 8th November 2020   | 00-06 | 13900 | 750 | 13150 | 6746 | 6404 |  |
|             |  | 06-18 | 13900 |     | 13150 | 6831 | 6319 |  |
|             |  | 18-24 | 13900 |     | 13150 | 6746 | 6404 |  |
| <b>SR**</b> | 9th November 2020                        | 00-06 | 13200 | 750 | 12450 | 6746 | 5704 |  |
|             |  | 06-18 | 13200 |     | 12450 | 6831 | 5619 |  |
|             |  | 18-24 | 13200 |     | 12450 | 6746 | 5704 |  |
| <b>SR**</b> | 10th November 2020 to 13th November 2020 | 00-06 | 13200 | 750 | 12450 | 6746 | 5704 |  |
|             |  | 06-18 | 13200 |     | 12450 | 6831 | 5619 |  |
|             |  | 18-24 | 13200 |     | 12450 | 6746 | 5704 |  |
| <b>SR**</b> | 14th November 2020 to 19th November 2020 | 00-06 | 13200 | 750 | 12450 | 6746 | 5704 |  |
|             |  | 06-18 | 13200 |     | 12450 | 6831 | 5619 |  |
|             |  | 18-24 | 13200 |     | 12450 | 6746 | 5704 |  |
| <b>SR**</b> | 20th November 2020                       | 00-06 | 13200 | 750 | 12450 | 6746 | 5704 |  |
|             |  | 06-09 | 13200 |     | 12450 | 6831 | 5619 |  |
|             |  | 09-18 | 11550 |     | 10800 | 6831 | 3969 |  |
|             |  | 18-24 | 11550 |     | 10800 | 6746 | 4054 |  |
| <b>SR**</b> | 21st November 2020                       | 00-06 | 13200 | 750 | 12450 | 6746 | 5704 |  |
|             |  | 06-18 | 13200 |     | 12450 | 6831 | 5619 |  |
|             |  | 18-24 | 13200 |     | 12450 | 6746 | 5704 |  |



|                 |  |       |       |     |       |      |      |  |
|-----------------|--|-------|-------|-----|-------|------|------|--|
| SR <sup>#</sup> | 22nd November<br>2020 to 25th<br>November 2020 | 00-06 | 13900 | 750 | 13150 | 6746 | 6404 |  |
|                 |  | 06-18 | 13900 |     | 13150 | 6831 | 6319 |  |
|                 |  | 18-24 | 13900 |     | 13150 | 6746 | 6404 |  |
| SR <sup>#</sup> | 26th November<br>2020 to 30th<br>November 2020 | 00-06 | 13900 | 750 | 13150 | 6746 | 6404 |  |
|                 |  | 06-18 | 13900 |     | 13150 | 6831 | 6319 |  |
|                 |  | 18-24 | 13900 |     | 13150 | 6746 | 6404 |  |

\* Fifty Percent (50 % ) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

\*\*Considering 400 kV Rihand stage-III - Vindhyaachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

\* For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio:

Margin in Simultaneous import of NR = A

WR-NR ATC =B

ER-NR ATC = C

Margin for WR-NR applicants =  $A * B/(B+C)$

Margin for ER-NR Applicants =  $A * C/(B+C)$

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

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

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

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

**Simultaneous Export Capability**

| Corridor | Date                                     | Time Period (hrs) | Total Transfer Capability (TTC) | Reliability Margin | Available Transfer Capability (ATC) | Long Term Access (LTA)/ Medium Term Open Access (MTOA) | Margin Available for Short Term Open Access (STOA) | Changes in TTC w.r.t. Last Revision | Comments |
|----------|--|-------------------|---------------------------------|--------------------|-------------------------------------|--|--|-------------------------------------|----------|
| NR*      | 1st November 2020 to 30th November 2020  | 00-06             | 4500                            | 700                | 3800                                | 388  | 3412   |                                     |          |
|          |  | 06-18             |                                 |                    | 3800                                | 1584   | 2216   |                                     |          |
|          |  | 18-24             |                                 |                    | 3800                                | 388  | 3412   |                                     |          |
| NER*     | 1st November 2020 to 12th November 2020  | 00-02             | 2500                            | 45                 | 2455                                | 42   | 2413   |                                     |          |
|          |  | 02-07             |                                 |                    | 2455                                | 42   | 2413   |                                     |          |
|          |  | 07-12             |                                 |                    | 2455                                | 42   | 2413   |                                     |          |
|          |  | 12-17             |                                 |                    | 2455                                | 42   | 2413   |                                     |          |
|          |  | 17-18             |                                 |                    | 2500                                | 42   | 2413   |                                     |          |
|          |  | 18-22             |                                 |                    | 2600                                | 42   | 2513   |                                     |          |
|          |  | 22-23             |                                 |                    | 2500                                | 42   | 2413   |                                     |          |
|          |  | 23-24             |                                 |                    | 2500                                | 42   | 2413   |                                     |          |
| NER*     | 13th November 2020                       | 00-08             | 2500                            | 45                 | 2455                                | 42   | 2413   |                                     |          |
|          |  | 08-18             |                                 |                    | 2005                                | 42   | 1963   |                                     |          |
|          |  | 18-22             |                                 |                    | 2210                                | 42   | 2123   |                                     |          |
|          |  | 22-24             |                                 |                    | 2050                                | 42   | 1963   |                                     |          |
| NER*     | 14th November 2020 to 30th November 2020 | 00-02             | 2500                            | 45                 | 2455                                | 42   | 2413   |                                     |          |
|          |  | 02-07             |                                 |                    | 2455                                | 42   | 2413   |                                     |          |
|          |  | 07-12             |                                 |                    | 2455                                | 42   | 2413   |                                     |          |
|          |  | 12-17             |                                 |                    | 2455                                | 42   | 2413   |                                     |          |
|          |  | 17-18             |                                 |                    | 2500                                | 42   | 2413   |                                     |          |
|          |  | 18-22             |                                 |                    | 2600                                | 42   | 2513   |                                     |          |
|          |  | 22-23             |                                 |                    | 2500                                | 42   | 2413   |                                     |          |
|          |  | 23-24             |                                 |                    | 2500                                | 42   | 2413   |                                     |          |
| WR*      |  |                   |                                 |                    |                                     |  |  |                                     |          |
| SR*^     | 1st November 2020 to 30th November 2020  | 00-24             | 3700                            | 400                | 3300                                | 1150   | 2150   |                                     |          |

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

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

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

| Limiting Constraints (Corridor wise) |  | Applicable Revisions  |                      |
|--------------------------------------|--|---|----------------------|
| Corridor                             | Constraint   |   |                      |
| WR-NR                                | N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT  | Rev 0 to 13   |                      |
| NR-ER                                | (n-1) contingency of 400 kV Saranath-Pusauli   | Rev 0 to 13   |                      |
| ER-NR                                | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.<br>2. Inter-regional flow pattern towards NR  | Rev 0 to 13   |                      |
| WR-SR<br>and ER-SR                   | n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt   | Rev 0 to 2  |                      |
|                                      | n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt   |   |                      |
|                                      | Low Voltage at Gazuwaka (East) Bus.  | Rev 3 to 10,12 to 13  |                      |
|                                      | 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.  | Rev 11  |                      |
|                                      | N-1 of one ckt of 765 kV Nizamabad - Maheshwaram line will overload 765/400 kV, 1500 MVA ICT at Nizamabad  |   |                      |
| SR-WR                                | a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt<br>b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs | Rev 0 to 13   |                      |
| ER-NER                               | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV Salakati - BTPS D/C  | Rev 0 to 7,9 to 13  |                      |
|                                      | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV BTPS-Agia S/C (200 MW)   | Rev 8   |                      |
| NER-ER                               | a) N-1 contingency of 400 kV Silchar- Azara line<br>b) High Loading of 400 kV Silchar-Killing Line   | Rev 0 to 7,9 to 13  |                      |
|                                      | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV BTPS-Agia S/C (200 MW)   | Rev 8   |                      |
| W3 zone Injection                    | ---  | Rev 0 to 13   |                      |
| Limiting Constraints (Simultaneous)  |  | Applicable Revisions  |                      |
| NR                                   | Import   | 1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.<br>2. Inter-regional flow pattern towards NR | Rev 0 to 13          |
|                                      |  | N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT   | Rev 0 to 13          |
|                                      | Export   | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.  | Rev 0 to 13          |
|                                      |  | (n-1) contingency of 400 kV Saranath-Pusauli  |                      |
| NER                                  | Import   | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV Salakati - BTPS D/C                       | Rev 0 to 7,9 to 13   |
|                                      |  | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV BTPS-Agia S/C (200 MW)                    | Rev 8                |
|                                      | Export   | a) N-1 contingency of 400 kV Silchar- Azara line<br>b) High Loading of 400 kV Silchar-Killing Line                          | Rev 0 to 7,9 to 13   |
|                                      |  | a) N-1 contingency of 400 kV Bongaigaon - Azara line<br>b) High Loading of 220 kV BTPS-Agia S/C (200 MW)                    | Rev 8                |
| SR                                   | Import   | n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt                                  | Rev 0 to 2           |
|                                      |  | n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt                                  |                      |
|                                      |  | Low Voltage at Gazuwaka (East) Bus  | Rev 3 to 10, 12 to13 |
|                                      | 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.  | Rev 11  |                      |
|                                      | N-1 of one ckt of 765 kV Nizamabad - Maheshwaram line will overload 765/400 kV, 1500 MVA ICT at Nizamabad  |   |                      |
| Export                               | N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt<br>N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs       | Rev 0 to 13   |                      |

**National Load Despatch Centre  
Total Transfer Capability for November 2020**

| Revision No   | Date of Revision     | Period of Revision             | Reason for Revision/Comment   | Corridor Affected                      |
|---|----------------------|--------------------------------|---|--|
| 1   | 28th August 2020     | Whole Month                    | Revision in STOA margin due to the following:-<br>a) Increase in allocation from Kameng HEP to UP, Haryana, Chhattisgarh and Goa<br>b) Revision in LTA/allocation from GIWEL, Bhuj (Wind) and Mangdechu HEP to Assam  | ER-NER/NER-ER/Import and Export of NER |
|   |                      |                                | Revision in TTC/ATC due to:-<br>a) Commissioning of HVDC Champa - Kurukshetra Pole-4<br>b) Change in HVDC APD-Agra power order and load-generation balance.   | WR-NR/ER-NR/Import of NR               |
| 2   | 28th Sep 2020        | Whole Month                    | Revision in STOA margin due to the following:-<br>a) Operationalization of 153 MW LTA from Alfanar, Bhuj to Delhi Discoms<br>b) Revision in LTA quantum from RPL-SECI-II-RE (Wind, Bhachau) to Punjab and UP from 148 MW to 170 MW  | WR-NR / Import of NR                   |
| 3   | 30th Oct 2020        | 1st Nov to 5th Nov 2020        | TTC/ATC has been revised after commissioning of HVDC Raigarh – Pugalur Pole -1 and forced outage of<br>1) HVDC Talcher-Kolar pole-1<br>2) HVDC Bhadravati block-1   | WR-SR /ER-SR/ Import of SR             |
|   |                      | 6th Nov to 30th Nov 2020       | TTC/ATC has been revised after commissioning of HVDC Raigarh – Pugalur Pole -1  | WR-SR /ER-SR/ Import of SR             |
|   |                      | Whole Month                    | Revised TTC/ATC due to:<br>1) Change in Load-Generation of NER<br>2) Addition of 2x150 MW out of 4 x 150 MW Kameng Generation<br>3) Forced outage of 2x 50 MW Karbi Langpi generation of Assam<br>4) Incorporation of HVDC flow of 700 MW between Biswanath Chariali and Agra | ER-NER /NER-ER/ Import/Export of NER   |
| STOA margin has been revised due to the following:-<br>• Operationalization of 50 MW LTA from APL Ghadsisa (Wind) to Haryana<br>• Revision in LTA quantum from Alfanar Bhuj (Wind) to Delhi DISCOMS from 153 MW to 179 MW<br>• Revision in LTA quantum from SEISPPL_MP (Solar) to TDPPL, Delhi from 90 MW to 180 MW | WR-NR / Import of NR |                                |   |  |
| 4   | 01st Nov-2020        | 02nd Nov to 5th Nov 2020       | Revised due to revival of HVDC Talcher-Kolar Pole-1 and Bhadravati Block-1  | WR-SR /ER-SR/ Import of SR             |
| 5   | 5th Nov-2020         | 7th Nov 2020                   | Revised TTC due to day time shutdown of 765 kV Orai-Gwalior S/C   | WR-NR /ER-NR/ Import of NR             |
| 6   | 8th Nov 2020         | 9th Nov 2020                   | Revised due to forced outage of HVDC Bhadravati Pole-1  | WR-SR /ER-SR/ Import of SR             |
| 7   | 8th Nov 2020         | 10th Nov 2020 to 13th Nov 2020 | Revised due to forced outage of HVDC Bhadravati Pole-1  | WR-SR /ER-SR/ Import of SR             |

|    |               |                                   |  |  |
|----|---------------|-----------------------------------|--|--|
| 8  | 11th Nov 2020 | 13th Nov 2020                     | Revised due to shutdown of 400 kV Bongaigaon - Bynihat(Killing) line | ER-NER /NER-ER/<br>Import/Export of<br>NER |
| 9  | 12th Nov 2020 | 14th Nov 2020 to<br>18th Nov 2020 | Revised due to forced outage of HVDC Bhadrawati Pole-1               | WR-SR /ER-SR/<br>Import of SR              |
| 10 | 17th Nov 2020 | 19th Nov 2020 to<br>25th Nov 2020 | Revised due to forced outage of HVDC Bhadrawati Pole-1               | WR-SR /ER-SR/<br>Import of SR              |
| 11 | 18th Nov 2020 | 20th Nov 2020                     | Revised due to planned outage of 765/400 kV Nizamabad ICT - II       | WR-SR /ER-SR/<br>Import of SR              |
| 12 | 20th Nov 2020 | 22nd Nov 2020                     | Revised due to revival of HVDC Bhadrawati Pole-1                     | WR-SR /ER-SR/<br>Import of SR              |
| 13 | 21st Nov 2020 | 23rd Nov 2020                     | Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C | WR-NR /ER-NR/<br>Import of NR              |

| ASSUMPTIONS IN BASECASE |                            |                |                    |                       |               |
|-------------------------|----------------------------|----------------|--------------------|-----------------------|---------------|
|                         |                            |                |                    | Month : November'2020 |               |
| S.No.                   | Name of State/Area         | Load           |                    | Generation            |               |
|                         |                            | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)             | Off Peak (MW) |
| I                       | <b>NORTHERN REGION</b>     |                |                    |                       |               |
| 1                       | Punjab                     | 6462           | 5238               | 2840                  | 2783          |
| 2                       | Haryana                    | 7055           | 5863               | 1291                  | 1291          |
| 3                       | Rajasthan                  | 10772          | 8591               | 6466                  | 6465          |
| 4                       | Delhi                      | 4390           | 2984               | 672                   | 672           |
| 5                       | Uttar Pradesh              | 15455          | 15223              | 8388                  | 8216          |
| 6                       | Uttarakhand                | 1586           | 1453               | 572                   | 500           |
| 7                       | Himachal Pradesh           | 1546           | 1339               | 242                   | 224           |
| 8                       | Jammu & Kashmir            | 1885           | 1674               | 103                   | 0             |
| 9                       | Chandigarh                 | 239            | 140                | 0                     | 0             |
| 10                      | ISGS/PPs                   | 21             | 20                 | 17492                 | 10342         |
|                         | <b>Total NR</b>            | <b>49409</b>   | <b>42527</b>       | <b>38066</b>          | <b>30493</b>  |
| II                      | <b>EASTERN REGION</b>      |                |                    |                       |               |
| 1                       | Bihar                      | 5270           | 3543               | 384                   | 344           |
| 2                       | Jharkhand                  | 1319           | 897                | 343                   | 353           |
| 3                       | Damodar Valley Corporation | 2778           | 2497               | 4539                  | 3736          |
| 4                       | Orissa                     | 3510           | 2815               | 2940                  | 2400          |
| 5                       | West Bengal                | 6243           | 4932               | 4120                  | 3510          |
| 6                       | Sikkim                     | 112            | 44                 | 0                     | 0             |
| 7                       | Bhutan                     | 169            | 167                | 410                   | 310           |
| 8                       | ISGS/PPs                   | -169           | -167               | 12601                 | 8839          |
|                         | <b>Total ER</b>            | <b>19231</b>   | <b>14729</b>       | <b>25336</b>          | <b>19491</b>  |
| III                     | <b>WESTERN REGION</b>      |                |                    |                       |               |
| 1                       | Maharashtra                | 15755          | 12169              | 11328                 | 8384          |
| 2                       | Gujarat                    | 14507          | 10549              | 10695                 | 8989          |
| 3                       | Madhya Pradesh             | 8975           | 7585               | 2837                  | 2894          |
| 4                       | Chattisgarh                | 3209           | 2762               | 1744                  | 1675          |
| 5                       | Daman and Diu              | 312            | 279                | 0                     | 0             |
| 6                       | Dadra and Nagar Haveli     | 777            | 727                | 0                     | 0             |
| 7                       | Goa-WR                     | 526            | 406                | 0                     | 0             |
| 8                       | ISGS/PPs                   | 4294           | 3129               | 36705                 | 29913         |
|                         | <b>Total WR</b>            | <b>48355</b>   | <b>37606</b>       | <b>63309</b>          | <b>51855</b>  |

| S.No. | Name of State/Area   | Load           |                    | Generation |               |
|-------|----------------------|----------------|--------------------|------------|---------------|
|       |                      | Peak Load (MW) | Off Peak Load (MW) | Peak (MW)  | Off Peak (MW) |
| IV    | SOUTHERN REGION      |                |                    |            |               |
| 1     | Andhra Pradesh       | 8576           | 5276               | 7951       | 5986          |
| 2     | Telangana            | 11920          | 10877              | 5548       | 4648          |
| 3     | Karnataka            | 8486           | 4761               | 6172       | 3342          |
| 4     | Tamil Nadu           | 13826          | 10812              | 6353       | 5252          |
| 5     | Kerala               | 3710           | 2288               | 1623       | 215           |
| 6     | Pondy                | 328            | 324                | 0          | 0             |
| 7     | Goa-SR               | 51             | 51                 | 0          | 0             |
| 8     | ISGS/IPPs            | 0              | 0                  | 13717      | 10412         |
|       | Total SR             | 46898          | 34388              | 41363      | 29856         |
| V     | NORTH-EASTERN REGION |                |                    |            |               |
| 1     | Arunachal Pradesh    | 104            | 65                 | 12         | 8             |
| 2     | Assam                | 1230           | 938                | 295        | 245           |
| 3     | Manipur              | 181            | 86                 | 0          | 0             |
| 4     | Meghalaya            | 297            | 227                | 272        | 231           |
| 5     | Mizoram              | 111            | 66                 | 52         | 34            |
| 6     | Nagaland             | 101            | 81                 | 14         | 14            |
| 7     | Tripura              | 238            | 142                | 73         | 71            |
| 8     | ISGS/IPPs            | 145            | 81                 | 2435       | 2194          |
|       | Total NER            | 2406           | 1686               | 3153       | 2796          |
|       | Total All India      | 166155         | 130855             | 171228     | 134491        |