## National Load Despatch Centre
### Total Transfer Capability for July 2014

Issue Date: 05/07/2014 Issue Time: 1000 hrs Revision No. 15

| 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 July 2014 to 31st July 2014 | 00-24 | 2500 | 500 | 2000 | 651 | 1349 | | |
| **WR-NR** | 1st July 2014 to 4th July 2014 | 00-17<br>23-24 | 4700 | 500 | 4200 | 4380 | 0 | | |
| | | 17-23 | 4700 | | 4200 | | 0 | | |
| | 5th July 2014 to 31st July 2014 | 00-17<br>23-24 | 4900 | 500 | 4400 | 4380 | 20 | | |
| | | 17-23 | 4900 | | 4400 | | 20 | | |
| **NR-ER*** | 1st July 2014 to 31st July 2014 | 00-06 | 1000 | 200 | 800 | 293 | 507 | | |
| | | 06-17' | | | 800 | 423 | 377 | | |
| | | 17-18' | 1100 | | 900 | 423 | 477 | | |
| | | 18-23 | | | 900 | 293 | 607 | | |
| | | 23-24 | 1000 | | 800 | 293 | 507 | | |
| **ER-NR$** | 1st July 2014 to 31st July 2014 | 00-17<br>23-24 | 3700 | 300 | 3400 | 2431 | 969 | | |
| | | 17-23 | | | | | 969 | | |
| **W3-ER$** | 1st July 2014 to 3rd July 2014 | 00-24 | 1500 | 300 | 1200 | 697 | 503 | | |
| | 4th July 2014 | 00-08' | 1500 | 300 | 1200 | 697 | 503 | | |
| | | 08-24' | 1250 | | 950 | | 253 | | |
| | 5th July 2014 to 31st July 2014 | 00-24 | 1500 | 300 | 1200 | 497 | 703 | | |
| **ER-W3** | 1st July 2014 to 31st July 2014 | 00-24 | 1000 | 300 | 700 | 874 | 0 | | |
| **WR-SR** | 1st July 2014 to 4th July 2014 | 00-24 | 1000 | 0 | 1000 | 1000 | 0 | | |
| | 5th July 2014 to 31st July 2014 | 00-24 | 1800 | 600 | 1200 | 1200 | 0 | | |
| **SR-WR *** | 1st July 2014 to 31st July 2014 | 00-24 | 1000 | 0 | 1000 | 0 | 1000 | | |
| **ER-SR** | 1st July 2014 | 00-06<br>18-24 | 2500 | 0 | 2500 | 1923 | 577 | | |
| | | 06-18' | | | | 1968 | 532 | | |
| | 2nd July 2014 to 3rd July 2014 | 00-06<br>18-24 | 2500 | 0 | 2500 | 2069 | 431 | | |
| | | 06-18' | | | | 2114 | 386 | | |
| | 4th July 2014 | 00-06<br>18-24 | 2500 | 0 | 2500 | 2069 | 431 | | |
| | | 06-18' | | | | 2114 | 386 | | |
| | 5th July 2014 | 00-06 | 2500 | 0 | 2500 | 2069 | 431 | | |
| | | 06-10' | | | | 2114 | 386 | | |
| | | 10-18' | 2650 | | 2650 | 2114 | 536 | 150 | Revised due to restoration of Gazuwaka Block-1. |
| | | 18-24' | | | | 2069 | 581 | | |
| | 6th July 2014 to 7th July 2014 | 00-06<br>18-24 | 2650 | 0 | 2650 | 1869 | 781 | 150 | Revised due to restoration of Gazuwaka Block-1. |
| | | 06-18' | | | | 1914 | 736 | | |
| | 8th July 2014 to 9th July 2014 | 00-06<br>18-24 | 2650 | 0 | 2650 | 2312 | 338 | | |
| | | 06-18' | | | | 2357 | 293 | | |
| | 10th July 2014 to 31st July 2014 | 00-06<br>18-24 | 2650 | 0 | 2650 | 1869 | 781 | | |
| | | 06-18' | | | | 1914 | 736 | | |

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### Total Transfer Capability for July 2014

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| 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 |
|---|---|---|---|---|---|---|---|---|---|
| **SR-ER*** | 1st July 2014 to 7th July 2014 | 00-24 | 1200 | 0 | 1200 | 148 | 1052 | | |
| | 8th July 2014 to 9th July 2014 | | | | | 197 | 1003 | | |
| | 10th July 2014 to 31st July 2014 | | | | | 148 | 1052 | | |
| **ER-NER** | 1st July 2014 to 31st July 2014 | 00-17 23-24 | 645 | 50 | 595 | 205 | 390 | | |
| | | 17-23' | 600 | | 550 | 210 | 340 | | |
| **NER-ER** | 1st July 2014 to 31st July 2014 | 00-17 23-24 | 550 | 100 | 450 | 0 | 450 | | |
| | | 17-23 | 530 | | 430 | | 430 | | |
| **S1-S2** | 1st July 2014 | 00-24 | 2580 | 290 | 2290 | 2400 | 0 | | |
| | 2nd July 2014 | 00-24 | 2580 | | 2290 | 2286 | 4 | | |
| | 3rd July 2014 to 4th July 2014 | 00-24 | 2300 | | 2010 | 2286 | 0 | | |
| | 5th July 2014 to 7th July 2014 | 00-24 | 2490 | 450 | 2040 | 2042 | 0 | 190 | Revised considering the Kudankulam Unit-1. with the synchronisation of 2nd Circuit of 765kV Raichur-Sholapur, the reliability of the link between SR & New Grid has improved. KKNPP Unit-1 is generating consistently without much variation. |
| | 8th July 2014 to 9th July 2014 | 00-24 | 2490 | | 2040 | 2276 | 0 | 190 | |
| | 10th July 2014 to 15th July 2014 | 00-24 | 2490 | | 2040 | 2042 | 0 | 190 | |
| | 16th July 2014 to 22nd July 2014 | 00-24 | 2490 | | 2040 | 2042 | 0 | 190 | |
| | 23rd July 2014 to 30th July 2014 | 00-24 | 2490 | | 2040 | 2122 | 0 | 190 | |
| | 31st July 2014 | 00-24 | 2490 | | 2040 | 1912 | 128 | 190 | |
| **Import of Punjab** | 1st July 2014 to 31st July 2014 | 00-24 | 5700 | 300 | 5400 | 3790 | 1610 | | |
| **Import TTC for DD & DNH** | 1st July 2014 to 4th July 2014 | 00-24 | 980 | 0 | 980 | LTA and MTOA as per ex-pp schedule | | | |
| | 5th July 2014 to 31st July 2014 | 00-24 | 1200 | 0 | 1200 | LTA and MTOA as per ex-pp schedule | | | |
| **W3 zone Injection** | 1st July 2014 to 31st July 2014 | 00-17 23-24 | 9000 | 200 | 8800 | 6842 | 1958 | | |
| | | 17-23 | 9500 | | 9300 | | 2458 | | |

* 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).

**$** As per Simulations, predominant direction of flow is on West to North Corridor. Hence, in case injection point is in Western Region (W1,W2,W3), STOA/PX transactions from West to North on West-East-North corridor shall not be allowed as such transaction increases congestion in the West to North Corridor.

1) ER-SR TTC declared at Talcher Interconnector and Gazuwaka HVDC B/B seam

2) S1 comprises of AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Pondicherry
3) 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) KWPCL, n)Vandana Vidyut

# 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 commissionned 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.

## National Load Despatch Centre
### Total Transfer Capability for July 2014

Issue Date: 05/07/2014 Issue Time: 1000 hrs Revision No. 15

| 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 |
|---|---|---|---|---|---|---|---|---|---|

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 willl be revised to normal values if the shutdown is not being availed in real time.

### Limiting Constraints

| Corridor | Constraint |
|---|---|
| **NR-WR** | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. |
| **WR-NR** | High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and Loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda (power flowing from WR to NR on 765kV Gwalior-Agra D/C and from NR to WR on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda). |
| | In case Vindhyachal Unit-12 trips, WR-NR TTC would be reduced to 4700 MW. |
| **NR-ER** | (n-1) contingency of 400 kV Allahabad-Pusauli |
| **ER-NR** | High loading of 765 kV Agra-Gwalior (1250MW SPS setting of 765kV Gwalior-Agra) due to transit flows on ER-WR-NR corridor |
| **W3-ER** | (n-1) contingency of 400kV Sterlite-Rourkela S/C |
| **ER-W3** | (n-1) contingency of 400kV Raigarh-Jharsuguda-Rourkela |
| **WR-SR & ER-SR** | 1. Commissioning of 765kV Raichur-Sholapur S/C |
| | 2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent |
| | 3. ER-SR TTC has been declared assuming more than 1100 MW generation at Talcher Stage-2. In case Talcher Stage-2 generation goes below 1100 MW, then the ER-SR TTC would be revised downward as constraints within ER would emerge. |
| **SR-WR** | Bhadrawati HVDC B/B link capacity |
| **SR-ER** | (n-1) and (n-1-1) contingencies of 400kV Talcher-Rourkela D/C |
| **ER-NER** | (n-1) contingency of 400 kV Balipara – Bongaigaon D/C leading to thermal loading of 220kV BTPS- |
| **NER-ER** | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa |
| **S1-S2** | (n-1) contingency of 400 kV Kolar-Hosur D/C |
| **Import of Punjab** | (n-1) contingency of ICT at Dhuri and (n-1) contingnecy of 220kV Moga(PG)-Moga(PSTCL) |
| **Import TTC for DD & DNH** | (n-1) contingency of 400/220KV 315MVA ICT at VAPI |
| **W3 zone Injection** | (n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section and High loading of 400kV Raipur-Wardha (800 MW SPS setting on each circuit of 400kV Raipur-Wardha) |

*Primary constraints

## Natioanl Load Despatch Centre

### Transfer Capability between India and Bangladesh for July 2014

| 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 |
|---|---|---|---|---|---|---|---|---|
| 1st July 2014 to 5th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 475 | | 475 | 230 | 245 | | |
| | 1730 -2400 | 425 | | 425 | 230 | 195 | | |
| 6th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 500 | | 500 | 230 | 270 | | |
| | 1730 -2400 | 450 | | 450 | 230 | 220 | | |
| 7th July 2014 to 12th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 475 | | 475 | 230 | 245 | | |
| | 1730 -2400 | 425 | | 425 | 230 | 195 | | |
| 13th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 500 | | 500 | 230 | 270 | | |
| | 1730 -2400 | 450 | | 450 | 230 | 220 | | |
| 14th July 2014 to 19th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 475 | | 475 | 230 | 245 | | |
| | 1730 -2400 | 425 | | 425 | 230 | 195 | | |
| 20th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 500 | | 500 | 230 | 270 | | |
| | 1730 -2400 | 450 | | 450 | 230 | 220 | | |
| 21st July 2014 to 26th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 475 | | 475 | 230 | 245 | | |
| | 1730 -2400 | 425 | | 425 | 230 | 195 | | |
| 27th July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 500 | | 500 | 230 | 270 | | |
| | 1730 -2400 | 450 | | 450 | 230 | 220 | | |
| 28st July 2014 to 31st July 2014 | 0000-1030 | 500 | 0 | 500 | 230 | 270 | | |
| | 1030 - 1730 | 475 | | 475 | 230 | 245 | | |
| | 1730 -2400 | 425 | | 425 | 230 | 195 | | |

| Monday to Saturday | |
|---|---|
| **Time Period** | **Limiting Constraints** |
| 0000-1030 | --- |
| 1030-1730 | High loading of 400 kV Farakkka -Behrampur S/C and low voltage at Jeerat |
| 1730-2400 | |

| Sundays | |
|---|---|
| **Time Period** | **Limiting Constraints** |
| 0000-1030 | --- |
| 1030-1730 | |
| 1730-2400 | High loading of 400 kV Farakkka -Behrampur S/C and low voltage at Jeerat |

**Simultaneous Import 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 |
|---|---|---|---|---|---|---|---|---|---|
| **ER** | | | | | | | | | |
| | | | | | | | | | |
| **NR** | 1st July 2014 to 31st July 2014 | 00-17<br>23-24 | 8600 | 800 | 7800 | 6811 | 989 | | |
| | | 17-23 | 8600 | | 7800 | | 989 | | |
| **NER** | 1st July 2014 to 31st July 2014 | 00-17<br>23-24 | 645 | 50 | 595 | 205 | 390 | | |
| | | 17-23' | 600 | | 550 | 210 | 340 | | |
| **WR** | | | | | | | | | |
| | | | | | | | | | |
| **SR *** | 1st July 2014 | 00-06<br>18-24 | 3500 | 0 | 3500 | 2923 | 577 | | |
| | | 06-18' | | | | 2968 | 532 | | |
| | 2nd July 2014 to 3rd July 2014 | 00-06<br>18-24 | 3500 | 0 | 3500 | 3069 | 431 | | |
| | | 06-18' | | | | 3114 | 386 | | |
| | 4th July 2014 | 00-06<br>18-24 | 3500 | 0 | 3500 | 3069 | 431 | | |
| | | 06-18' | | | | 3114 | 386 | | |
| | 5th July 2014 | 00-06 | 4300 | 600 | 3700 | 3069 | 631 | | |
| | | 06-10' | | | | 3114 | 586 | | |
| | | 10-18' | 4450 | | 3850 | 3114 | 736 | 150 | Revised due to restoration of Gazuwaka Block-1. |
| | | 18-24' | | | | 3069 | 781 | | |
| | 6h July 2014 to 7th July 2014 | 00-06<br>18-24 | 4450 | 600 | 3850 | 3069 | 781 | 150 | |
| | | 06-18' | | | | 3114 | 736 | | |
| | 8th July 2014 to 9th July 2014 | 00-06<br>18-24 | 4450 | 600 | 3850 | 3512 | 338 | | |
| | | 06-18' | | | | 3557 | 293 | | |
| | 10th July 2014 to 31st July 2014 | 00-06<br>18-24 | 4450 | 600 | 3850 | 3069 | 781 | | |
| | | 06-18' | | | | 3114 | 736 | | |

*** CTU Transfer Capability assessement between NEW and SR grid is 3450 MW without considering 765kV Raichur-Sholapur D/C.**

**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 July 2014 to 31st July 2014 | 00-06 | 3500 | 700 | 2800 | 944 | 1856 | | |
| | | 06-17' | 3500 | | 2800 | 1074 | 1726 | | |
| | | 17-18 | 3600 | | 2900 | 1074 | 1826 | | |
| | | 18-23 | 3600 | | 2900 | 944 | 1956 | | |
| | | 23-24 | 3500 | | 2800 | 944 | 1856 | | |
| NER | 1st July 2014 to 31st July 2014 | 00-17<br>23-24 | 450 | 100 | 350 | 0 | 350 | | |
| | | 17-23 | 550 | | 450 | | 450 | | |
| WR | | | | | | | | | |
| | | | | | | | | | |
| SR* | 1st July 2014 to 7th July 2014 | 00-24 | 2200 | 0 | 2200 | 148 | 2052 | | |
| | 8th July 2014 to 9th July 2014 | | | | | 197 | 2003 | | |
| | 10th July 2014 to 31st July 2014 | | | | | 148 | 2052 | | |

* 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).

## Limiting Constraints

| | | |
|---|---|---|
| NR | Import | High loading of 765 kV Agra-Gwalior (1250MW SPS setting of 765kV Gwalior-Agra) due to transit flows on ER-WR-NR corridor.<br>High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and high loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda (power flowing from WR to NR on 765kV Gwalior-Agra |
| | Export | (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.<br>(n-1) contingency of 400 kV Allahabad-Pusauli |
| NER | Import | (n-1) contingency of 400 kV Balipara – Bongaigaon D/C leading to thermal loading of 220kV BTPS-Agia S/C |
| | Export | (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa |
| SR | Import | 1. Commissioning of 765kV Raichur-Sholapur S/C<br>2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO).<br>3. ER-SR TTC has been declared assuming more than 1100 MW generation at Talcher Stage-2. In case Talcher Stage-2 generation goes below 1100 MW, then the ER-SR TTC would be revised downward as constraints within ER would emerge. |
| | Export | (n-1) and (n-1-1) contingencies of 400kV Talcher-Rourkela D/C |

*Primary constraints

# National Load Despatch Centre
# Total Transfer Capability for July 2014

| Revision No | Date of Revision | Period of Revision | Reason for Revision | Corridor Affected |
|---|---|---|---|---|
| 1 | 04-04-2014 | Whole Month | Margin revised due to grant of 69 MW LTA to Jindal Power Limited Tamnar | W3/ ER-SR |
| 2 | 11-04-2014 | Whole Month | Margin revised due to addition of 139 MW LTA to TANGEDCO | ER-SR |
| | | | Margin Revised due to correction in LTA Figure and addition of 208 MW LTA to TANGEDCO | S1-S2 |
| 3 | 30-04-2014 | Whole Month | Re-Routing of transactions on West-East-North Corridor discontinued on account of Inter-Regional Loop flows leading to physical congestion on WR-NR. | W3-ER |
| | | | Margin revised due to commissioning of Sasan Unit-4 | WR-NR |
| 4 | 01-05-2014 | Whole Month | Margin revised due to incorporation of existing Power Allocation. | |
| | | | Margin revised due to incorporation of existing Solar Power Allocation to SR, ER, NER constituents between 6 hrs -18 hrs in LTA figures and allocation data avialable on RPCs RTA/REA. | NR-ER/ ER-NER |
| | | | Margin revised due to incorporation of existing LTA/MTOA allocation avialable in RPCs RTA/REA and Re-routing of existing MTOA granted by CTU. | W3-ER |
| | | | Margin revised due to incorporation of existing LTA/MTOA allocation avialable in RPCs RTA/REA. | ER-W3 |
| | | | Margin revised due to incorporation of existing Solar Power Allocation to Karnataka between 6 hrs-18 hrs in LTA figures. | ER-SR |
| | | | Margin revised due to Allocation of 150 MW to TANGEDCO. | S1-S2 |
| | | | Margin revised due to incorporation of existing LTA/MTOA allocation avialable in RPCs RTA/REA and existing MTOA granted by CTU. | W3 Zone Injection |
| | | | Revised due to augmentation/ modifications in Punjab control area network. | Import of Punjab |
| 5 | 19-05-2014 | Whole Month | Refer to explanatory notes regarding the change in TTC representation given in the last page. | ER-SR/ S1-S2 |
| 6 | 13-06-2014 | Whole Month | Revised due to change in Load Generation Balance and Commissioning of Sasan Unit-1. | WR-NR |
| 7 | 25-06-2014 | Whole Month | Revised due to change in Load Generation Balance and Margin revised considering SRPC Generating Units Maintenance schedule. | S1-S2 |
| | | | Revised due to change in Load Generation Balance | ER-NR |
| 8 | 27-06-2014 | Whole Month | LTA/MTOA revised due to deferment of Simhadri unit - 4 overhauling | S1-S2 |
| 9 | 30-06-2014 | Whole Month | Revised due to change in Load-Generation balance and major network change due to commissioning of 400/220 kV Azara (Kukurmara) substation | ER-NER / NER-ER |
| | | | Revised due to forced outage of 400 kV Raigarh-SEL-Rourkela Ckt 1 | W3-ER |
| 10 | 30-06-2014 | 01-07-2014 | Due to non availability of HVDC Gazuwaka Block 1 | ER-SR |
| | | 01-07-2014 to 02-07-2014 | Revised due to outage of NCTPS Unit-2 | S1-S2 |

# National Load Despatch Centre
# Total Transfer Capability for July 2014

| Revision No | Date of Revision | Period of Revision | Reason for Revision | Corridor Affected |
|---|---|---|---|---|
| 11 | 01-07-2014 | 02/07/2014 - 03/07/2014 | Due to non availability of HVDC Gazuwaka Block 1. | ER-SR |
| | | 02/07/2014 - 31/07/2014 | STOA Margin revised on account of change in LTA/Allocation | ER-SR/ S1-S2/ W3-ER/ NR-WR/ W3 Zone |
| 12 | 03-07-2014 | 04-07-2014 | Due to non availability of HVDC Gazuwaka Block 1. | ER-SR |
| | | | Revised due to shutdown of 400kV Rourkela-Jharsuguda-Raigarh D/C | W3-ER |
| 13 | 04-07-2014 | 05/07/2014 - 07/07/2014 | Due to non availability of HVDC Gazuwaka Block 1. | ER-SR |
| | | 05/07/2014 - 31/07/2014 | Revised due to commissioning of contingency arrangement of one 500 MW Vindhyachal (Unit-12) with 400kV Vindhyachal-Rihand line. | WR-NR |
| | | | Revised due to commissioning of 765kV Sholapur-Raichur Circuit-2 and 765kV Wardha-Aurangabad D/C. | WR-SR |
| 14 | 04-07-2014 | 05/07/2014-31/07/2014 | Revised due to commissioning of 400/220KV 2X315MVA ICT at Kala S/S along with 220kV Kala-Sayali and 220KV Kala-Khadoli lines. | Import TTC for DD & DNH |
| 15 | 05-07-2014 | 05/07/2014-07/07/2014 | Revised due to restoration of Gazuwaka Block-1. | ER-SR |
| | | 05/07/2014-31/07/2014 | Revised considering the Kudankulam Unit-1. with the synchronisation of 2nd Circuit of 765kV Raichur-Sholapur, the reliability of the link between SR & New Grid has improved. KKNPP Unit-1 is generating consistently without much variation. | S1-S2 |

# ASSUMPTIONS IN BASECASE

Month : July '14

| S.No. | Name of State/Area | Load | | Generation | |
|---|---|---|---|---|---|
| | | Peak Load (MW) | Off Peak Load (MW) | Peak (MW) | Off Peak (MW) |
| I | NORTHERN REGION | | | | |
| 1 | Punjab | 8805 | 8759 | 3237 | 3034 |
| 2 | Haryana | 7318 | 7018 | 3790 | 3790 |
| 3 | Rajasthan | 6840 | 6640 | 4731 | 4721 |
| 4 | Delhi | 5241 | 5044 | 1172 | 1172 |
| 5 | Uttar Pradesh | 12034 | 12134 | 6260 | 6283 |
| 6 | Jammu & Kashmir | 1935 | 1834 | 556 | 571 |
| 7 | Uttarakhand | 1559 | 1459 | 508 | 469 |
| 8 | Himachal Pradesh | 1489 | 1390 | 867 | 867 |
| 9 | Chandigarh | 291 | 277 | 0 | 0 |
| 10 | ISGS/IPPs | | | 19676 | 17746 |
| | **Total NR** | **45512** | **44555** | **40797** | **38653** |
| | | | | | |
| II | EASTERN REGION | | | | |
| 1 | West Bengal | 6881 | 4919 | 4764 | 3604 |
| 2 | Jharkhand | 1070 | 850 | 365 | 370 |
| 3 | Orissa | 3740 | 3000 | 3049 | 2375 |
| 4 | Bihar | 2190 | 1820 | 80 | 80 |
| 5 | Damodar Valley Corporation | 2350 | 2139 | 3523 | 3008 |
| 6 | Sikkim | 86 | 40 | | |
| 7 | Bhutan | 108 | 108 | 1425 | 1065 |
| 8 | ISGS/IPPs | 300 | 480 | 9351 | 8716 |
| | **Total ER** | **16725** | **13356** | **22557** | **19218** |
| | | | | | |
| III | WESTERN REGION | | | | |
| 1 | Chattisgarh | 2709 | 2381 | 1653 | 1326 |
| 2 | Madhya Pradesh | 5556 | 3873 | 4367 | 2740 |
| 3 | Maharashtra | 15757 | 13648 | 9707 | 7696 |
| 4 | Gujarat | 11177 | 8813 | 8279 | 6437 |
| 5 | Goa | 330 | 356 | | |
| 6 | Daman and Diu | 244 | 263 | | |
| 7 | Dadra and Nagar Haveli | 629 | 613 | | |
| 8 | ISGS/IPPs | 1255 | 1255 | 18036 | 17054 |
| | **Total WR** | **37657** | **31202** | **42042** | **35253** |
| | | | | | |

# ASSUMPTIONS IN BASECASE

Month : July '14

| 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 | 11750 | 10246 | 7877 | 6292 |
| 2 | Tamil Nadu | 12324 | 10506 | 7812 | 6808 |
| 3 | Karnataka | 8094 | 6969 | 6094 | 5005 |
| 4 | Kerala | 3394 | 2653 | 1512 | 907 |
| 5 | Pondy | 339 | 291 | | |
| 6 | Goa | 84 | 83 | | |
| 7 | ISGS/IPPs | | | 10422 | 9492 |
| | **Total SR** | **35985** | **30748** | **33717** | **28504** |
| | | | | | |
| **V** | **NORTH-EASTERN REGION** | | | | |
| 1 | Arunachal Pradesh | 120 | 60 | 0 | 0 |
| 2 | Assam | 1350 | 970 | 220 | 200 |
| 3 | Manipur | 120 | 84 | 0 | 0 |
| 4 | Meghalaya | 310 | 217 | 80 | 70 |
| 5 | Mizoram | 75 | 53 | 8 | 4 |
| 6 | Nagaland | 120 | 84 | 12 | 12 |
| 7 | Tripura | 250 | 120 | 90 | 90 |
| 8 | ISGS/IPPs | | | 1309 | 1096 |
| | **Total NER** | **2345** | **1588** | **1719** | **1472** |
| | | | | | |
| | **Total All India** | **138224** | **121449** | **140832** | **123100** |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## WR-NR Allocation/LTA/MTOA

| S. No. | Name of the Plant | Installed Capacity | Available Capacity | Share to NR Constituents | Allocation/LTA/MTOA | Approved Quantum on WR-NR corridor |
|---|---|---|---|---|---|---|
| 1 | CGPL Mundra | 5*800 | 3800 | 32.5% | LTA | 1235 |
| 2 | SASAN UMPP | 4*660 | 2482 | 62.5% | LTA | 1551 |
| 3 | APL Mundra (As per PPA to Haryana) | -- | --- | -- | LTA | 1495 |
| 4 | ISGS Share to J &K | | | | Allocation | 100 |
| | | | | **Total Quantum approved on WR-NR** | | **4380** |

## ER-NER Allocation/LTA/MTOA

| **BENEFICIARIES** | **FARAKKA I & II STPS** | **KAHALGAON STPS STAGE I** | **KAHALGAON STPS STAGE II** | **TALCHER STPS STAGE I** | **FARAKKA-III STPS (GENERATOR)** | Total Quantum |
|---|---|---|---|---|---|---|
| | **1489 MW** | **764.4 MW** | **1402.5 MW** | **935 MW** | **467.5 MW** | |
| ASSAM | 29.41 | 12.13 | 58.68 | 15.07 | 23.38 | 138.67 |
| ASSAM(Coal Power-Rajasthan) | 1.37 | 0.7 | 1.29 | 0.86 | 0.43 | 4.65 |
| MEGHALAYA | 8.88 | 4.52 | 18.55 | 5.58 | | 37.53 |
| NAGALAND | 6.4 | 3.24 | 0 | 3.97 | | 13.61 |
| ARUNACHAL PRADESH | 2.86 | 1.47 | 0 | 1.84 | | 6.17 |
| MIZORAM | 2.11 | 1.08 | 0 | 1.33 | | 4.52 |
| **TOTAL** | **51.03** | **23.14** | **78.52** | **28.65** | **23.81** | **205.15** |
| | | | | | **Solar Allocation** | **5** |
| | | | | | **Total ER-NER corridor Allocation** | **210.15** |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## ER-NR Allocation/ LTA/MTOA

| BENEFICIARIES | FARAKKA I & II STPS | KAHALGAON STPS STAGE I | KAHALGAON STPS STAGE II | TALCHER STPS STAGE I ( | DVC POOL POWER (GENERATOR) | TALA HPS (GENERATOR) | MEJIA-DVC (GENERATOR) | KODERMA-DVC (GENERATOR) | MPL UNIT #1 & II (GENERATOR) | MEJIA B (DVC GENERATOR) | DSTPS (DVC GENERATOR) | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1489 MW | 764.4 MW | 1402.5 MW | 935 MW | 500 MW | 1009.8 MW | 500 MW | 50 MW | 983 MW | 363.38 MW | 300 MW | |
| UTTAR PRADESH | 30.97 | 69.71 | 234.64 | 0 | | 44.53 | | | | | | 379.85 |
| HARYANA | 10.27 | 23.24 | 64.23 | 0 | | 14.84 | | 50 | | 100 | | 262.58 |
| RAJASTHAN | 10.27 | 23.24 | 99.72 | 0 | | 14.84 | | | | | | 148.07 |
| J & K | 12.66 | 28.13 | 77.98 | 0 | | 17.87 | | | | | | 136.64 |
| HP | 0 | 0 | 21.46 | 0 | | 0 | | | | | | 21.46 |
| DELHI | 20.7 | 46.4 | 147.12 | 0 | 230 | 29.69 | 100 | | | | | 573.91 |
| PUNJAB | 20.7 | 46.4 | 112.48 | 0 | | 29.69 | | | | | 200 | 409.27 |
| UTTARAKHAND | 0 | 0 | 26.23 | 0 | | | | | | | | 26.23 |
| CHANDIGARH | 0 | 0 | 2.81 | 0 | | | | | | | | 2.81 |
| TPDDL | | | | | 20 | | | | 281 | | | 301 |
| BYPL | | | | | 19 | | | | | 119.19 | | 138.19 |
| BRPL | | | | | 31 | | | | | | | 31 |
| **TOTAL** | **105.57** | **237.12** | **786.67** | **0** | **300** | **151.46** | **100** | **50** | **281** | **219.19** | **200** | **2431.01** |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## ER-SR & WR-SR LTA/MTOA

| S.No | Corridor | From | To | Allocation / LTA / MTOA | Quantum of LTA/MTOA |
|---|---|---|---|---|---|
| 1 | NR-SR | JHAJJAR, HARYANA | ANDHRA | Allocation | 264.234 |
| 2 | NR-SR | JHAJJAR, HARYANA | TELANGANA | Allocation | 208.539 |
| 3 | NR-SR | JHAJJAR, HARYANA | KERALA | Allocation | 178.647 |
| 4 | NR-SR | SOLAR, RAJASTHAN | KARNATAKA | Allocation | 45 |
| 5 | ER-SR | ER ISGS | TAMIL NADU | Allocation | 35 |
| 6 | WR-SR | JINDAL POWER LIMITED, CHHATTISGARH | TANGEDCO, TN | LTA | 150 |
| 7 | NR-SR | LANCO, UP | TANGEDCO, TN | MTOA | 100 |
| 8 | WR-SR | JINDAL POWER LIMITED, CHHATTISGARH | TANGEDCO, TN | MTOA | 200 |
| 9 | WR-SR | ADANI MUNDRA | TANGEDCO, TN | MTOA | 200 |
| 10 | WR-SR | KSK MAHANADI | APCPDCL | MTOA | 400 |
| 11 | WR-SR | CSPDCL | KSEB, KERALA | MTOA | 3 |
| 12 | ER-SR | TALCHER STAGE-2 | SR CONSTITUENTS | Allocation | 1773 |
| **Total LTA/MTOA towards SR** | | | | | **3557.42** |

Reference:


1. http://www.powergridindia.com/_layouts/PowerGrid/WriteReadData/file/LTOA/DetailsofConnectivityMTOALTAapplications/DetailsofMTOAApplications/2014/MTOA%20Granted_All-India_Website_April.pdf

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## W3 Zone LTA/MTOA

| Name of the Generating Station in W3 | Allocation/ LTA/ MTOA | Quantum |
|---|---|---|
| KSTPS | Allocation | 1949 |
| KSTPS 7 | Allocation | 467 |
| SIPAT-II | Allocation | 935 |
| SIPAT I | Allocation | 1851 |
| NSPCL Bhilai | Allocation/LTA | 387 |
| JINDAL | LTA | 150 |
| PTC(LANCO Amarkantak) | LTA | 300 |
| ACB Limited | LTA | 200 |
| NSPCL Bhilai | MTOA | 0 |
| BALCO | MTOA | 0 |
| CSPDCL | MTOA | 3 |
| Jindal Power Ltd. | MTOA | 200 |
| CSPTCL | MTOA | 0 |
| KSK Mahanadi | MTOA | 400 |
| Sterlite Energy Ltd | MTOA | 0 |
| **Total** | | **6842** |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## NR-ER LTA/MTOA

| S.No | Corridor | From | To | Allocation/ LTA/ MTOA | Quantum |
|---|---|---|---|---|---|
| 1 | NR-ER | NR ISGS | Bangladesh | Allocation | 92.67 |
| 2 | NR-ER | BAGLIHAR, J&K | WB | MTOA | 100 |
| 3 | NR-SR | LANCO, UP | TANGEDCO, TN | MTOA | 100 |
| 4 | NR-ER-SR | Solar, Raja | Karnataka | Allocation | 45 |
| | NR-ER & NR-ER-SR | Solar, Raja | ER Constituents | Allocation | 85 |
| **Total Quantum** | | | | | **422.67** |

## NR-WR LTA/MTOA

| S. No | Corridor | From | To | Allocation/ LTA/ MTOA | Date upto Which MTOA Granted |
|---|---|---|---|---|---|
| 1 | NR-SR | Jhajjar, Haryana | Andhra | Allocation | 264.234 |
| 2 | NR-SR | Jhajjar, Haryana | Telangana | Allocation | 208.539 |
| 3 | NR-SR | Jhajjar, Haryana | Kerala | Allocation | 178.647 |
| **Total Quantum** | | | | | **651.42** |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## ER-W3 Allocation/LTA/MTOA

| BENEFICIARIES | KAHALGAON STPS STAGE II | HIRAKUD HPS (ORISSA GENERATOR) | DVC POOL POWER (GENERATOR) | MEJIA-DVC (GENERATOR) | DSTPS (DVC GENERATOR) | TOTAL |
|---|---|---|---|---|---|---|
| | **1402.5 MW** | **1.82 MW** | **500 MW** | **350 MW** | **300 MW** | |
| CHATTISGARH | 28.05 | 1.82 | | | | 29.87 |
| GUJARAT | 131.84 | | | | | 131.84 |
| MADHYA PRADESH | 69.14 | | 200 | 200 | 100 | 569.14 |
| MAHARASTHRA | 138.43 | | | | | 138.43 |
| DNH | 2.81 | | | | | 2.81 |
| DD | 1.82 | | | | | 1.82 |
| **TOTAL Allocation** | **372.09** | **1.82** | **200** | **200** | **100** | **873.91** |

## W3-ER Allocation/LTA/MTOA

| S. No | From | To | Quantum |
|---|---|---|---|
| 1 | NR ISGS | Bangladesh | 93 |
| **Total** | | | **497*** |

Remarks: * includes 404 MW routed on WR-ER-SR

## SR-ER Allocation/LTA/MTOA

| S. No | From | To | Allocation/LTA/MTOA | Quantum Approved or Allocated |
|---|---|---|---|---|
| 1 | Talcher Stage-2 | Orissa | Allocation | 197 |
| **Total** | | | | **197** |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## S1-S2 Allocation/LTA/MTOA

| SR ISGS / SR Beneficiary | RSTPS St.I & II (U-1 to U-6) | RSTPS St.III (U-7) | NLC TS-II Stg1 | NLC TS-II Stg.2 | MAPS | KGS 1 & 2 | KGS Unit 3 | Talcher STPP-Stg.II | NLC TPS-I Exp. | Simhadri stg II | NTECL Unit 1 | Total | Weighted average % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APTRANSCO | 314 | 79 | 53 | 94 | 20 | 63 | 66 | 190 | 0 | 210 | 66 | 1155 | 11.77 |
| KPTCL | 423 | 106 | 130 | 176 | 33 | 121 | 132 | 388 | 108 | 212 | 89 | 1919 | 19.56 |
| KSEB | 249 | 62 | 64 | 91 | 23 | 39 | 36 | 428 | 69 | 92 | 34 | 1186 | 12.09 |
| TNEB | 552 | 138 | 194 | 289 | 333 | 125 | 111 | 499 | 226 | 225 | 717 | 3408 | 34.74 |
| TELANGANA | 366 | 92 | 62 | 110 | 24 | 73 | 78 | 222 | 0 | 245 | 77 | 1349 | 13.75 |
| PONDY | 94 | 24 | 76 | 30 | 8 | 19 | 17 | 69 | 17 | 17 | 17 | 387 | 3.95 |
| GOA | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1.02 |
| NLC MINES | 0 | 0 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1.02 |
| HVDC | 2 | | | | | | | 4 | | | | 6 | 0.06 |
| ORISSA | | | | | | | | 200 | | | | 200 | 2.04 |
| TOTAL | 2100 | 500 | 630 | 840 | 440 | 440 | 440 | 2000 | 420 | 1000 | 1000 | 9810 | 100.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S1-S2 Share | KSEB | 905 | | S2-S1 Share | AP | 233 |
| | TNEB | 1650 | | | KPTCL | 536 |
| | PONDY | 239 | | | TELANGANA | 273 |
| NR to S2 Share | KSEB | 190 | | | | |
| ER to S2 Share | TNEB | 35 | | | | |
| | | | | | | |
| Total | | 3019 | | Total | | 980 |
| After Auxiliary | | 2838 | | After Auxiliary | | 809 |
| | | | | | | |
| **Net LTA S1 to S2** | | **2029** | | **Auxiliary Consumption - 6% considered** | | |
| **MTOA (Please refer WR-SR table)** | **KSEB** | **3** | | | | |
| | **TNEB** | **500** | | | | |
| **other LTA** | **TNEB** | **150** | | | | |
| **Total** | | **2682** | | | | |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## DD & DNH Allocation/LTA/MTOA

| Name of the Generating Station | D&D | DNH |
|---|---|---|
| Kahalgaon - II | 1.8 | 2.8 |
| KSTPS | 46.4 | 53.6 |
| KSTPS 7 | 5.8 | 22.6 |
| VSTPS-STG-I | 12.5 | 42.5 |
| VSTPS-STG-II | 9.0 | 33.2 |
| VSTPS-STG-III | 10.9 | 35.5 |
| KAWAS | 30.1 | 78.6 |
| GANDHAR | 30.4 | 56.7 |
| SIPAT-II | 9.7 | 32.3 |
| SIPAT I | 24.6 | 89.9 |
| KAPS | 7.6 | 11.9 |
| TAPS 3&4 | 12.2 | 42.8 |
| NSPCL Bhilai | 70.0 | 100.0 |
| RGPPL | 38.2 | 38.2 |
| VSTPS-STG-IV | 12.3 | 46.4 |
| Mauda | 12.3 | 46.4 |
| Total | 333.65 | 733.31 |
| **Total** | **1067** | |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

## Punjab Allocation/LTA/MTOA

**(Source: http://www.punjabsldc.org/index.asp?pg=ccshare).**

Punjab share in BBMB Plants (as on 31/03/2013)

| Source | Installed Capacity | Punjab's Share | |
|---|---|---|---|
| BBMB | MW | %age Permanent Allocation | MW Permanent Allocation |
| **Bhakra | 1480 | 54.50 | 684 |
| Dehar | 990 | 48.00 | 475 |
| Pong | 396 | 24.90 | 99 |
| **Total** | **2866** | | **1258** |
| **Reduction in share w.e.f Nov 12** | | | 95 |
| **Total** | | | **1163** |

## Punjab share in Central Sector Stations under Long Term Agreements (as on 31/03/2013)

| National Hydro Power Corporation | Installed Capacity | Permanent Allocation (%) | Permanent Allocation (MW) |
|---|---|---|---|
| Bairasul | 180 | 46.50 | 84 |
| Salal | 690 | 26.60 | 184 |
| Tanakpur | 94 | 17.93 | 17 |
| Chamera-I | 540 | 10.20 | 55 |
| Chamera-II | 300 | 10.00 | 30 |
| Uri | 480 | 13.75 | 66 |
| Dhauliganga | 280 | 10.00 | 28 |
| Dulhasti | 390 | 8.28 | 32 |
| Sewa-II | 120 | 8.33 | 10 |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

| | | | |
|---|---|---|---|
| Chamera-III | 231 | 7.856 | 18 |
| **Total** | **3305** | | **524** |
| **National Thermal Power Corporation** | | | |
| Singrauli | 2000 | 10.00 | 200.00 |
| Rihand-I | 1000 | 11.00 | 110.00 |
| Rihand-II | 1000 | 10.20 | 102.00 |
| Rihand-III | 500 | 8.267 | 41 |
| Anta(G) | 419 | 11.69 | 49 |
| Auraiya(G) | 663 | 12.52 | 83 |
| Dadri(G) | 830 | 15.90 | 132 |
| Unchahar-I | 420 | 8.57 | 36 |
| Unchahar-II | 420 | 14.28 | 60 |
| Unchahar-III | 210 | 8.10 | 17 |
| Indira Gandhi STPS Jhajjar | 500 | 0 | 0 |
| Dadri-I | 840 | 0 | 0 |
| Dadri-II | 980 | 0 | 0 |
| **Total** | **9782** | | **830** |
| **Nuclear Power Corporation of India Ltd.** | | | |
| Narora Atomic Power Plant | 440 | 11.59 | 51.00 |
| Rajasthan Atomic Power Plant (unit #3 & 4) | 440 | 22.73 | 100 |
| Rajasthan Atomic Power Plant (unit #5 & 6) | 440 | 10.41 | 46 |
| **Total** | **1320** | | **197** |
| Nathpa Jakhri Power Corporation / Sutlej Jal Vidyut Nigam Ltd. | 1500 | 10.13 | 152 |
| Tehri Hydro Development Corporation Ltd. | 1000 | 7.70 | 77 |
| Koteshwar HEP (THDC) | 400 | 6.36 | 25 |

# Allocation/LTA/MTOA Quantum on each corridor for July 2014

| | | | |
|---|---|---|---|
| **Total** | **2900** | | **254** |
| **OTHER SOURCES** | | | |
| Tala | 1020 | 0 | 0 |
| Farakka | 1600 | 1.39 | 22 |
| Durgapur DVC | 1000 | 20 | 200 |
| Pragati-III(Bawana) | 1371 | 10 | 137 |
| Malana-2 | 100 | 86 | 86 |
| Mundra (UMPP) | 4000 | | 475 |
| Kahalgaon-I | 840 | 6.07 | 51 |
| Kahalgaon-II | 1500 | 8.02 | 120 |
| Mejia unit-6 | 250 | 11.76 | 29 |
| **Total** | **11681** | | **1120** |
| **Grand Total** | **28988** | | **2926** |

**Notes:**

**1. **After deducting common pool energy and Rajasthan share (15.22%).**

**2. Over and above the permanent share, the present weighted average of share from unallocated quota of CS stations is 12.67% (174 MW) is also available.**

**Remarks: The Allocation/LTA/MTOA data is directly taken from PUNJAB SLDC website. Allocation of 3790 MW indicated on the website in consultation with Punjab SLDC.**