

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

Issue Date: 28/03/2014

Issue Time: 2100 hrs

Revision No. 0

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	361	1639		
WR-NR	1st July 2014 to 31st July 2014	00-17	4200	500	3700	3656	44		
		23-24			3700		44		
NR-ER*	1st July 2014 to 31st July 2014	00-17	1000	200	800	200	600		
		23-24			900		700		
ER-NR	1st July 2014 to 31st July 2014	00-17	4400	300	4100	2789	1311		
		23-24					1311		
W3-ER	1st July 2014 to 31st July 2014	00-24	1900	300	1600	0	1600		
ER-W3	1st July 2014 to 31st July 2014	00-24	1000	300	700	700	0		
WR-SR	1st July 2014 to 31st July 2014	00-24	1000	0	1000	1000	0		
SR-WR *	1st July 2014 to 31st July 2014	00-24	1000	0	1000	0	1000		
ER-SR	1st July 2014 to 31st July 2014	00-05	750	0	750	449	301		
		10-19					301		
SR-ER *	1st July 2014 to 7th July 2014	00-24	1200	0	1200		1052		
	8th July 2014 to 9th July 2014						1003		
	10th July 2014 to 31st July 2014						1052		
ER-NER	1st July 2014 to 31st July 2014	00-17	520	50	470	230	240		
		23-24			470		240		
NER-ER	1st July 2014 to 31st July 2014	00-17	450	100	350	0	350		
		23-24			350		350		
S1-S2	1st July 2014 to 7th July 2014	00-24	6200	500	5700		550		
	8th July 2014 to 9th July 2014						400		
	10th July 2014 to 31st July 2014						650		
Import of Punjab	1st July 2014 to 31st July 2014	00-24	5600	300	5300	3800	1500		
Import TTC for DD & DNH	1st July 2014 to 31st July 2014	00-24	980	0	980	LTA and MTOA as per ex-pp schedule			
W3 zone Injection	1st July 2014 to 31st July 2014	00-17	9000	200	8800	6815	1985		
		23-24			8800		1985		
		17-23	9500		9300		2485		

* 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).

- 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, b) Jindal Power Limited (JPL) , 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

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The figure is based on LTA/MTOA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage the LTA/MTOA utilized would be less. RLDC/ NLDC would factor this situation while issuing STOA approvals

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 (1000 MW SPS setting on each circuit of 765 kV Gwalior-Agra)
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusaali
ER-NR	(n-1) contingency of one circuit of 400kV Farakka –Malda S/C
W3-ER	(n-1) contingency of 400kV Sterilte-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 variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO) 3. Considering transfer capability assessment by CTU on NEW-SR corridor.
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 one circuit of 400 kV Balipara – Bongaigaon D/C
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 line, 400kV Hosur-Salem S/C and 400kV Somanahalli-Salem S/C line.
Import of Punjab	(n-1) contingency of ICT at Patiala/Moga
W3 zone Injection	(n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section

*Primary constraints

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 23-24	8600	800	7800	6445	1355		
		17-23	8600		7800		1355		
NER	1st July 2014 to 31st July 2014	00-17 23-24	520	50	470	230	240		
		17-23	520		470		240		
WR									
SR	1st July 2014 to 31st July 2014	00-05 10-19	1750	0	1750	1449	301		
		05-10 19-24	1750		1750		301		

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	00-17 23-24	3500	700	2800	561	2239		
		17-23	3600		2900		2339		
NER	1st July 2014 to 31st July 2014	00-17 23-24	450	100	350	0	350		
		17-23	550		450		450		
WR									
SR-ER *	1st July 2014 to 7th July 2014 8th July 2014 to 9th July 2014 10th July 2014 to 31st July 2014	00-24	2200	0	2200	148	2052		
						197	2003		
						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	(n-1) contingency of one circuit of 400kV Farakka –Malda D/C High loading of 765 kV Agra-Gwalior (1000 MW SPS setting on each circuit of 765 kV Gwalior-Agra)
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli
NER	Import	(n-1) contingency of one circuit of 400 kV Balipara – Bongaigaon D/C
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
SR	Import	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 variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO). 3. Considering transfer capability assessment by CTU on NEW-SR corridor.
	Export	(n-1) and (n-1-1) contingencies of 400kV Talcher-Rourkela D/C

*Primary constraints

