

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

Issue Date: 28/04/2014

Issue Time: 1800 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 August 2014 to 31st August 2014	00-24	2500	500	2000	297	1703		
WR-NR	1st August 2014 to 31st August 2014	00-17	4200	500	3700	3993	0		
		23-24					0		
		17-23					0		
NR-ER*	1st August 2014 to 31st August 2014	00-06	1000	200	800	293	507		
		06-17'			800	338	462		
		17-18'	1100		900	338	562		
		18-23			900	293	607		
		23-24			800	293	507		
ER-NR	1st August 2014 to 31st August 2014	00-17	4600	300	4300	2431	1869		
		23-24					1869		
		17-23					1869		
W3-ER	1st August 2014 to 31st August 2014	00-24	1700	300	1400	551	849		
ER-W3	1st August 2014 to 31st August 2014	00-24	1000	300	700	700	0		
WR-SR	1st August 2014 to 31st August 2014	00-24	1000	0	1000	1000	0		
SR-WR *	1st August 2014 to 31st August 2014	00-24	1000	100	900	0	900		
ER-SR	1st August 2014 to 31st August 2014	00-06	750	0	750	593	157		
		18-24				638	112		
SR-ER *	1st August 2014 to 31st August 2014	00-24	1200	0	1200	197	1003		
ER-NER	1st August 2014 to 31st August 2014	00-17	530	50	480	205	275		
		23-24			470		265		
NER-ER	1st August 2014 to 31st August 2014	00-17	500	100	400	0	400		
		23-24			390		390		
		17-23			490		390		
S1-S2	1st August 2014 to 31st August 2014	00-24	2560	300	2260	2293	0		
Import of Punjab	1st August 2014 to 31st August 2014	00-24	5600	300	5300	3800	1500		
Import TTC for DD & DNH	1st August 2014 to 31st August 2014	00-24	980	0	980	LTA and MTOA as per ex-pp schedule			
W3 zone Injection	1st August 2014 to 31st August 2014	00-17	9000	200	8800	6900	1900		
		23-24			9300		2400		
		17-23	9500						

* 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) KWPCCL

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

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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) contingencies of 400KV Kahalgaon-Banka D/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
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

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ER									
NR	1st August 2014 to 31st August 2014	00-17 23-24	8800	800	8000	6424	1576		
		17-23	8800		8000		1576		
NER	1st August 2014 to 31st August 2014	00-17 23-24	530	50	480	205	275		
		17-23	520		470		265		
WR									
SR	1st August 2014 to 31st August 2014	00-06 18-24	1750	0	1750	1593	157		
		06-18'				1638	112		

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 August 2014 to 31st August 2014	00-06	3500	700	2800	590	2210		
		06-17'			800	635	165		
		17-18'	3600		2900	635	2265		
		18-23			900	590	310		
		23-24			2800	590	2210		
NER	1st August 2014 to 31st August 2014	00-17 23-24	500	100	400	0	400		
		17-23	490		390		390		
		WR							
SR *	1st August 2014 to 31st August 2014	00-24	2200	0	1600	197	1403		

* 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) contingencies of 400kV Kahalgaon-Banka 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

