

**National Load Despatch Centre
Total Transfer Capability for June 2015**

Issue Date: 28/02/2015

Issue Time: 2045 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 Jun 2015 to 30th Jun 2015	00-24	2500	500	2000	706	1294					
WR-NR	1st Jun 2015 to 30th Jun 2015	00-17	4900	500	4400	4769	0					
		23-24					0					
		17-23					4900					
NR-ER*	1st Jun 2015 to 30th Jun 2015	00-06	2000	200	1800	293	1507					
		06-18'	2000		1800	358	1442					
		18-24	2000		1800	293	1507					
ER-NR	1st Jun 2015 to 30th Jun 2015	00-17	4500	300	4200	2431	1769					
		23-24					4500			4200	1769	
		17-23					4500			4200	1769	
W3-ER ^s	1st Jun 2015 to 30th Jun 2015	00-24	1800	300	1500	351	1149					
ER-W3	1st Jun 2015 to 30th Jun 2015	00-24	1000	300	700	874	0					
WR-SR	1st Jun 2015 to 30th Jun 2015	00-24	2100	750	1350	1350	0					
SR-WR *	1st Jun 2015 to 30th Jun 2015	00-24	No limit is being Specified.									
ER-SR	1st Jun 2015 to 30th Jun 2015	00-06	2650	0	2650	2585	65					
		18-24					0					
		06-18'					2650			0		
SR-ER *	1st Jun 2015 to 30th Jun 2015	00-24	No limit is being Specified.									
ER-NER	1st Jun 2015 to 30th Jun 2015	00-17	860	40	820	210	610					
		23-24					750			710	500	
		17-23					750			710	500	
NER-ER	1st Jun 2015 to 30th Jun 2015	00-17	1040	30	1010	0	1010					
		23-24					1250			40	1210	1210
		17-23					1250			40	1210	1210
S1-S2	1st Jun 2015 to 5th Jun 2015	00-24	2610	305	2305	2790	0					
	6th Jun 2015 to 14th Jun 2015	00-24	2910	305	2605	2898	0					
	15th Jun 2015 to 30th Jun 2015	00-24	2910	305	2605	2819	0					
Import of Punjab	1st Jun 2015 to 30th Jun 2015	00-24	5700	300	5400	3790	1610					
Import TTC for DD & DNH	1st Jun 2015 to 30th Jun 2015	00-24	1200	0	1200	LTA and MTOA as per ex-pp schedule						
W3 zone Injection	1st Jun 2015 to 30th Jun 2015	00-17	9400	200	9200	6862	2338					
		23-24					9900			9700	2838	
		17-23					9900			9700	2838	

* 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).

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\$ 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) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu, Kerala and Puducherry

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) KWPCCL, 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 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.

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 400kV Singrauli-Anpara & 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).
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli
ER-NR	(n-1) contingency of 400 kV Farakka-Malda D/C
W3-ER	i. (n-1) Contingency of 400 kV MPL-Maithon S/C ii. (n-1) contingency of 400kV Sterlite-Rourkela S/C
ER-W3	(n-1) contingency of 400kV Raigarh-Jharsuguda-Rourkela
WR-SR & ER-SR	1. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG) 2. 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.
ER-NER	N-1 contingency of 220/132 kV, 2x100 MVA ICTs at Dimapur.
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa
S1-S2	(n-1) contingency of one circuit of 400 kV Kolar-Hosur D/C
Import of DD & DNH	(n-1) contingency of 400/220KV 315MVA ICT at VAPI
Import of Punjab	(n-1) contingency of ICT at Dhuri and (n-1) contingency of 220kV Moga(PG)-Moga(PSTCL)
W3 zone Injection	(n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section and High loading of 400kV Raipur-Wardha (850 MW SPS setting on each circuit of 400kV Raipur-Wardha)

*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 Jun 2015 to 30th Jun 2015	00-17 23-24	9400	800	8600	7200	1400		
		17-23	9400		8600		1400		
NER	1st Jun 2015 to 30th Jun 2015	00-17 23-24	860	40	820	210	610		
		17-23	750		710		500		
WR									
SR	1st Jun 2015 to 30th Jun 2015	00-06 18-24	4750	750	4000	3935	65		
		06-18'	4750		4000		4000		

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 Jun 2015 to 30th Jun 2015	00-06	4500	700	3800	999	2801		
		06-18'			3800	1064	2736		
		18-24			3800	999	2801		
NER	1st Jun 2015 to 30th Jun 2015	00-17 23-24	1040	30	1010	0	1010		
		17-23	1250	40	1210		1210		
WR									
SR *	1st Jun 2015 to 30th Jun 2015	00-24	No limit is being Specified.						

* 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 Kahalgaon-Banka S/C 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 D/C and from NR to WR on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda).
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli
NER	Import	N-1 contingency of 220/132 kV, 2x100 MVA ICTs at Dimapur.
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa
SR	Import	1. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG) 2. 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.

*Primary constraints

