National Load Despatch Centre
Total Transfer Capability for July 2015

Issue Date: 28/03/2015 Issue Time: 1900 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 Jul 2015 to 31st Jul 2015	00-24	2500	500	2000	706	1294		
WR-NR	1st Jul 2015 to 31st Jul 2015	00-17 23-24	5100	500	4600	5157	0		
		17-23	5100		4600		0		
NR-ER*	1st Jul 2015 to 31st Jul 2015	00-06	2000	200	1800	293	1507		
		06-18'	2000		1800	358	1442		
		18-24	2000		1800	293	1507		
ER-NR	1st Jul 2015 to 31st Jul 2015	00-17 23-24	4400	300	4100	2431	1669		
		17-23	4400		4100		1669		
W3-ER$	1st Jul 2015 to 31st Jul 2015	00-24	No limit is being specified. No Re-routing is allowed via W3-ER-NR.						
ER-W3	1st Jul 2015 to 31st Jul 2015	00-24	1000	300	700	874	0		
WR-SR	1st Jul 2015 to 31st Jul 2015	00-24	2300	750	1550	1350	200		
SR-WR *	1st Jul 2015 to 31st Jul 2015	00-24	No limit is being Specified.						
ER-SR	1st Jul 2015 to 31st Jul 2015	00-06 18-24	2650	0	2650	2585	65		
		06-18'				2650	0		
SR-ER *	1st Jul 2015 to 31st Jul 2015	00-24	No limit is being Specified.						
ER-NER	1st Jul 2015 to 31st Jul 2015	00-17 23-24	720	40	680	210	470		
		17-23	720		680		470		
NER-ER	1st Jul 2015 to 31st Jul 2015	00-17 23-24	1040	30	1010	0	1010		
		17-23	1250	40	1210		1210		
S1-S2	1st Jul 2015 to 9th Jul 2015	00-24	3145	335	2810	2908	0		
	10th Jul 2015 to 11th Jul 2015	00-24	3145	335	2810	2709	101		
	12th Jul 2015 to 19th Jul 2015	00-24	3145	335	2810	2789	21		
	20th Jul 2015	00-24	3145	335	2810	2878	0		
	21st Jul 2015 to 31st Jul 2015	00-24	2845	335	2510	2769	0		
Import of Punjab	1st Jul 2015 to 31st Jul 2015	00-24	5700	300	5400	3790	1610		
Import TTC for DD & DNH	1st Jul 2015 to 31st Jul 2015	00-24	1200	0	1200	LTA and MTOA as per ex-pp schedule			
W3 zone Injection	1st Jul 2015 to 31st Jul 2015	00-17 23-24	9400	200	9200	7094	2106		
		17-23	9900		9700		2606		

* 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) 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.

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 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) contingnecy 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	1. n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli. 2. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)
WR-SR & ER-SR	1. n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli. 2. (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) contingnecy of 400 kV Farakka-Malda D/C
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) contingnecy of 220kV Moga(PG)-Moga(PSTCL)
W3 zone Injection	1. n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli. 2. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)

*Primary constraints