

**National Load Despatch Centre
Total Transfer Capability for September 2013**

Issue Date: 04/06/2013

Issue Time: 1100 hrs

Revision No. 1

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 September 2013 to 30th September 2013	00-24	2500	500	2000	286	1714		
WR-NR ¹ #	1st September 2013 to 30th September 2013	00-17	5700 ^Δ	500	5200 ^Δ	2787 ^Δ	2413	200	
		23-24	5500 ^Δ		5000 ^Δ	2787 ^Δ	2213		
NR-ER	1st September 2013 to 30th September 2013	00-17	1000	200	800	0	800		
		23-24	1100		900		900		
ER-NR	1st September 2013 to 30th September 2013	00-17	4000	300	3700	2189	1511		
		23-24					1511		
W3-ER	1st September 2013 to 30th September 2013	00-24	1900	300	1600	0	1600		
ER-W3	1st September 2013 to 30th September 2013	00-24	1000	300	700	650	50		
WR-SR	1st September 2013 to 30th September 2013	00-24	1000	0	1000	1000	0		
SR-WR	1st September 2013 to 30th September 2013	00-24	1000	0	1000	0	1000		
ER-SR	1st September 2013 to 30th September 2013	00-05	1100	0	1100	612	488		
		10-19	1100		1100		488		
SR-ER	1st September 2013 to 30th September 2013	00-17	800	0	800	197	603		
		23-24	900		900		703		
ER-NER	1st September 2013 to 30th September 2013	00-17	600	35	565	230	335		
		23-24	600		565		335		
NER-ER	1st September 2013 to 30th September 2013	00-17	500	100	400	0	400		
		23-24	320		220		220		
S1-S2	1st September 2013 to 30th September 2013	00-24	5800	200	5600	5200	400		
Import of Punjab	1st September 2013 to 30th September 2013	00-24	5400	300	5100	3243	1857		
Import TTC for DD & DNH	1st September 2013 to 30th September 2013	00-24	980	0	980	LTA and MTOA as per ex-pp schedule			
W3 zone Injection	1st September 2013 to 30th September 2013	00-17,	9000	200	8800	7630	1170		
		23-24	9500		9300		1670		

- 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

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Δ. includes 1500 MW on the dedicated Mundra-Mohindergarh HVDC bipole of M/s Adani Power Limited which is scheduled separately from the generation at stage-III of APL Mundra (3*660 MW).

I. WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:

- 765 kV Agra-Jhatikara
- One of the 765/400 kV 1500 MVA ICT at Agra
- 765 kV Gwalior-Agra one circuit
- 765 kV Bina-Gwalior one circuit

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
WR-NR	(n-1) contingency of 765/400 kV ICT at Agra
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	(n-1) contingency of 400 kV Purnea-Muzaffarpur
W3-ER	(n-1) contingency of either 400 kv Mejia-Maithon or (n-1) contingency of 400 kv MPL -Maithon
ER-W3	High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni* (n-1) contingency of 400kV Rourkela-Raigarh
WR-SR	Bhadrawati HVDC B/B link capacity
SR-WR	Bhadrawati HVDC B/B link capacity
ER-SR	(n-1) contingency of 400 kV Rourkela-Talcher*
SR-ER	
ER-NER	(n-1) contingency of 400/220 kV,315 MVA ICT at Misa* (n-1) contingency of 400 kV Binaguri-Bongaigaon
NER-ER	High loading of 132 kV LTPS – Mariani S/C Insufficient generating resources in NER
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 ¹ #	1st September 2013 to 30th September 2013	00-17 23-24	9700 ^Δ	1000	8700 ^Δ	4976 ^Δ	3724	200	
		17-23	9500 ^Δ		8500 ^Δ		3524		
NER	1st September 2013 to 30th September 2013	00-17 23-24	600	35	565	230	335		
		17-23	600		565		335		
WR									
SR	1st September 2013 to 30th September 2013	00-05	2100	0	2100	1612	488		
		10-19							
		05-10	2100		2100		488		
		19-24							

Δ. includes 1500 MW on the dedicated Mundra-Mohindergarh HVDC bipole of M/s Adani Power Limited which is scheduled separately from the generation at stage-III of APL Mundra (3*660 MW).

1. WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:

- 765 kV Agra-Jhatikara
- One of the 765/400 kV 1500 MVA ICT at Agra
- 765 kV Gwalior-Agra one circuit
- 765 kV Bina-Gwalior one circuit

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 September 2013 to 30th September 2013	00-17 23-24	3500	700	2800	286	2514		
		17-23	3600		2900		2614		
NER	1st September 2013 to 30th September 2013	00-17 23-24	500	100	400	0	400		
		17-23	320		220		220		
WR									
SR	26th September 2013 to 30th September 2013	00-17 23-24	1800	0	1800	197	1603		
		17-23	1900		1900		1703		

Limiting Constraints

NR	Import	(n-1) contingency of 400 kV Purnea-Muzaffarpur* (n-1) contingency of 765/400 kV ICT at 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 400/220 kV,315 MVA ICT at Misa* (n-1) contingency of 400 kV Binaguri-Bongaigaon
	Export	High loading of 132 kV LTPS – Mariani S/C Insufficient generating resources in NER
SR	Import	Bhadrawati HVDC B/B link capacity (n-1) contingency of 400 kV Rourkela-Talcher*
	Export	Bhadrawati HVDC B/B link capacity

*Primary constraints