

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

Issue Date: 28/07/2013

Issue Time: 0100 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 November 2013 to 30th November 2013	00-24	2500	500	2000	286	1714		
WR-NR ¹	1st November 2013 to 30th November 2013	00-17 23-24	5700 ^Δ	500	5200 ^Δ	2937 ^Δ	2263		
		17-23	5500 ^Δ		5000 ^Δ	2937 ^Δ	2063		
NR-ER	1st November 2013 to 30th November 2013	00-17 23-24	1000	200	800	0	800		
		17-23	1100		900		900		
ER-NR	1st November 2013 to 30th November 2013	00-17 23-24	3600	300	3300	2370	930		
		17-23					930		
W3-ER	1st November 2013 to 30th November 2013	00-24	1800	300	1500	0	1500		
ER-W3	1st November 2013 to 30th November 2013	00-24	1000	300	700	650	50		
WR-SR	1st November 2013 to 30th November 2013	00-24	1000	0	1000	1000	0		
SR-WR	1st November 2013 to 30th November 2013	00-24	1000	0	1000	0	1000		
ER-SR	1st November 2013 to 30th November 2013	00-05 10-19	800	0	800	612	188		
		05-10 19-24					800	800	188
SR-ER	1st November 2013 to 30th November 2013	00-17 23-24	800	0	800	197	603		
		17-23					900	900	703
ER-NER	1st November 2013 to 30th November 2013	00-17 23-24	450	50	400	230	170		
		17-23					450	400	170
NER-ER	1st November 2013 to 30th November 2013	00-17 23-24	550	100	450	0	450		
		17-23					520	420	420
S1-S2	1st November 2013 to 30th November 2013	00-24	6000	400	5600	5300	300		
Import of Punjab	1st November 2013 to 30th November 2013	00-24	5600	300	5300	3475	1825		
Import TTC for DD & DNH	1st November 2013 to 30th November 2013	00-24	980	0	980	LTA and MTOA as per ex-pp schedule			
W3 zone Injection	1st November 2013 to 30th November 2013	00-17, 23-24	9000	200	8800	7630	1170		
		17-23			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, k) KSK Mahanadi, L)DB Power, m) KWPCCL

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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. (A) WR-NR Total Transfer capability will be reduced to 5200 MW in case of outage of any one of the following sections:**
- 765 kV Agra-Jhatikara
 - 765 kV Agra-Meerut
 - One of the 765/400 kV 1500 MVA ICT at Agra
- (B) WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:**
- 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 kV Agra-Jhatikara
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	(n-1) contingency of 400 kV Farakka-Malda
W3-ER	(n-1) contingency of 400kV Sterilte-Rourkela S/C
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 Raigarh-Sterlite
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 kV Farakka-Malda* (n-1) contingency of 400/220 kV, 315 MVA ICT at Misa
NER-ER	(n-1) contingency of 400 kV Binaguri-Bongaigaon* (n-1) contingency of 400 kV Balipara-Bongaigaon
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 November 2013 to 30th November 2013	00-17 23-24	9300 ^Δ	1000	8300 ^Δ	5307 ^Δ	2993		
		17-23	9100 ^Δ		8100 ^Δ		2793		
NER	1st November 2013 to 30th November 2013	00-17 23-24	450	50	400	230	170		
		17-23	450		400		170		
WR									
SR	1st November 2013 to 30th November 2013	00-05 10-19	1800	0	1800	1612	188		
		05-10 19-24	1800		1800		188		

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. (A) WR-NR Total Transfer capability will be reduced to 5200 MW in case of outage of any one of the following sections:

- 765 kV Agra-Jhatikara
- 765 kV Agra-Meerut
- One of the 765/400 kV 1500 MVA ICT at Agra

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

- 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 November 2013 to 30th November 2013	00-17 23-24	3500	700	2800	286	2514		
		17-23	3600		2900		2614		
NER	1st November 2013 to 30th November 2013	00-17 23-24	550	100	450	0	450		
		17-23	520		420		420		
WR									
SR	1st November 2013 to 30th November 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 Faarakka-Malda* (n-1) contingency of 765 kV Agra-Jhatikara
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusaui
NER	Import	(n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 400/220 kV,315 MVA ICT at Misa
	Export	(n-1) contingency of 400 kV Binaguri-Bongaigaon* (n-1) contingency of 400 kV Balipara-Bongaigaon
SR	Import	Bhadrawati HVDC B/B link capacity (n-1) contingency of 400 kV Rourkela-Talcher
	Export	

*Primary constraints