

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

Issue Date: 28/09/2013

Issue Time: 2200 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 January 2014 to 31st January 2014	00-24	2500	500	2000	286	1714		
WR-NR <sup>1</sup>	1st January 2014 to 31st January 2014	00-17	3700 <sup>Δ</sup>	500	3200 <sup>Δ</sup>	3181 <sup>Δ</sup>	19		
		23-24							
		17-23	3700 <sup>Δ</sup>		3200 <sup>Δ</sup>	3181 <sup>Δ</sup>	19		
NR-ER	1st January 2014 to 31st January 2014	00-17	1000	200	800	0	800		
		23-24							
		17-23	1100		900		900		
ER-NR *	1st January 2014 to 31st January 2014	00-17	2600	300	2300	2118	182		
		23-24							
		17-23	182						
W3-ER	1st January 2014 to 31st January 2014	00-24	1800	300	1500	0	1500		
ER-W3	1st January 2014 to 31st January 2014	00-24	1000	300	700	700	0		
WR-SR	1st January 2014 to 31st January 2014	00-24	1000	0	1000	1000	0		
SR-WR *	1st January 2014 to 31st January 2014	00-24	1000	0	1000	0	1000		
ER-SR	1st January 2014 to 31st January 2014	00-05	1100	0	1100	657	443		
		10-19							
		05-10	1100		1100		443		
SR-ER *	1st January 2014 to 31st January 2014	00-17	1100	0	1100	197	903		
		23-24							
		17-23	1100		1100		903		
ER-NER	1st January 2014 to 31st January 2014	00-17	450	50	400	230	170		
		23-24							
NER-ER	1st January 2014 to 31st January 2014	00-17	570	100	470	0	470		
		23-24							
		17-23	570		470		470		
S1-S2	1st January 2014 to 31st January 2014	00-24	6200	400	5800	5400	400		
Import of Punjab	1st January 2014 to 31st January 2014	00-24	5600	300	5300	3800	1500		
Import TTC for DD & DNH	1st January 2014 to 31st January 2014	00-24	980	0	980	LTA and MTOA as per ex-pp schedule			
W3 zone Injection	1st January 2014 to 31st January 2014	00-17,	9000	200	8800	7630	1170		
		23-24							
		17-23	9500		9300		1670		

\* 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

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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 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	High loading of 765 kV Gwalior-Agra
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*
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, 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 <sup>1</sup>	1st January 2014 to 31st January 2014	00-17 23-24	6300 <sup>Δ</sup>	800	5500 <sup>Δ</sup>	5299 <sup>Δ</sup>	201		
		17-23	6300 <sup>Δ</sup>		5500 <sup>Δ</sup>		201		
NER	1st January 2014 to 31st January 2014	00-17 23-24	450	50	400	230	170		
		17-23	450		400		170		
WR									
SR	1st January 2014 to 31st January 2014	00-05 10-19	2100	0	2100	1657	443		
		05-10 19-24	2100		2100		443		

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 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 January 2014 to 31st January 2014	00-17 23-24	3500	700	2800	286	2514		
		17-23	3600		2900		2614		
NER	1st January 2014 to 31st January 2014	00-17 23-24	570	100	470	0	470		
		17-23	570		470		470		
WR									
SR*	1st January 2014 to 31st January 2014	00-17 23-24	2100	0	2100	197	1903		
		17-23	2100		2100		1903		

\* 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	<b>Import</b>	(n-1) contingency of 400 kV Faarakka-Malda* High loading of 765 kV Gwalior-Agra
	<b>Export</b>	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli
NER	<b>Import</b>	(n-1) contingency of 400 kV Farakka-Malda*
	<b>Export</b>	N-1 contingency of 400/220 kV, 2x315 MVA ICTs at Misa
SR	<b>Import</b>	Bhadrawati HVDC B/B link capacity (n-1) contingency of 400 kV Rourkela-Talcher
	<b>Export</b>	

\*Primary constraints

