

**National Load Despatch Centre  
Total Transfer Capability for June 2012**

Issue Date: 20/06/2012

Issue Time: 1500 hrs

Revision No. 9

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)	Comments
NR-WR	1st June 2012 to 30th June 2012	00-24	1900	200	1700	286	1414	
WR-NR#	20th June 2012 to 30th June 2012	00-24	2400	200	2200	260	1940	Vindhyachal HVDC B/B setpoint considered as 500 MW from West to North
NR-ER	1st June 2012 to 30th June 2012	00-17	800	200	600	0	600	
		23-24	900		700		700	
ER-NR#	20th June 2012 to 30th June 2012	00-24	3000	300	2700	1082	1618	Revised on account of better hydro availability in Bhutan and Sikkim.
WR-ER	1st June 2012 to 30th June 2012	00-17	900	300	600	0	600	
		23-24	1000		700		700	
ER-WR	1st June 2012 to 30th June 2012	00-24	950	300	650	589	61	
WR-SR	1st June 2012 to 30th June 2012	00-24	800	0	800	800	0	LTA of 231 MW from Jhajjar to Kerala. MTOA of 750 MW towards SR (not path specific)
SR-WR	1st June 2012 to 30th June 2012	00-24	1000	0	1000	0	1000	
ER-SR	1st June 2012 to 17th June 2012	00-05	330	0	330	330	0	Revised as Talcher-Kolar bipole would be operated at 2500 MW for 05-10 hrs and 19-24 hrs; 2000 MW for 00-05 hrs, 10-13 hrs, 17-19 hrs; 1800 MW for 13-17 hrs. 149 MW allocation from ER ISGS to SR. MTOA of 750 MW towards SR (not path specific)
		10-19	830		830		500	
	18th June 2012 to 19th June 2012	00-05	770		770		440	
		05-10	1200		1200		870	
	20th June 2012 to 30th June 2012	00-05	970		970		640	
		10-13	770		770		440	
17-19		1200	1200	870				
SR-ER	1st June 2012 to 14th June 2012	00-24	800	0	800	197	603	
	15th June 2012 to 30th June 2012	00-24	800		800	148	652	
ER-NER	1st June 2012 to 11th June 2012 and 28th June 2012 to 30th June 2012	00-17	600	35	565	220	345	
		23-24	550		515		295	
	12th June 2012 to 27th June 2012	00-08	600		565		345	
		23-24	380		345		125	
		08-17	550		515		295	
NER-ER	1st June 2012 to 11th June 2012 and 28th June 2012 to 30th June 2012	00-17	570	100	470	0	470	
		23-24	570		470		470	
	1st June 2012 to 30th June 2012	00-17	570		470		470	
		23-24	180		80		80	
		08-17	570		470		470	
S1-S2	1st June 2012 to 30th June 2012	00-10	5800	100	5700	4000	1700	
		10-24	5500		5400		1400	
JPL Complex	1st June 2012 to 30th June 2012	00-24	1030	0	1030	264	766	
Punjab Import	1st June 2012 to 30th June 2012	00-24	5400	300	5100	3243	1857	
Import TTC for DD&DNH	1st June 2012 to 30th June 2012	00-24	980	0	980	LTA and MTOA as per ex-pp schedule		

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

## Limiting Constraints

Corridor	Constraint
<b>NR-WR</b>	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
<b>WR-NR</b>	(n-1) contingency of 400kV Bina-Gwalior one circuit leading to over loading of the other circuit of 400 kV Bina-Gwalior and 400kV Soja-Zerda S/C
<b>NR-ER</b>	(n-1) contingency of 400 kV Pusauli-Biharsharif
<b>ER-NR</b>	(n-1-1) contingency of 400 kV Farakka-Kahalgaon
<b>WR-ER</b>	(n-1) contingency of 400 kV Maithon-Kahalgaon Highloading of 220kV Korba(E)-Raigarh
<b>ER-WR</b>	High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni (n-1) contingency of 400kV Roerkela-Jamshedpur
<b>WR-SR</b>	High loading of 400 kV Raipur-Bhadrawati T/C and Bhilai-Bhadrawati S/C (n-1) contingency of 400 kV Vijaywada-Nellore*
<b>SR-WR</b>	(n-1) contingency of Chandrapur-Parli
<b>ER-SR</b>	(n-1) contingency of 400 kV Vijaywada-Nellore* Low Voltage in Chennai Area* (n-1) contingency of 400 kV Talcher-Rourkela
<b>SR-ER</b>	(n-1) contingency of 400 kV Farakka-kahalgaon* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
<b>ER-NER</b>	High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV ICT at Balipara
<b>NER-ER</b>	(n-1) contingency of 400 kV Binaguri-Bongaigaon High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV 315 MVA ICT at Misa
<b>SI-S2</b>	(n-1) contingency of 400 kV Hosur-Salem

\*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)	Comments
ER								
NR#	20th June 2012 to 30th June 2012	00-24	5400	500	4900	1342	3558	The simultaneous capability is subject to honoring of corridor wise TTC in WR-NR and ER-NR corridors
NER	1st June 2012 to 11th June 2012 and 28th June 2012 to 30th June 2012	00-17 23-24	600	35	565	220	345	
		17-23	550		515		295	
	12th June 2012 to 27th June 2012	00-08 23-24	600		565		345	
		08-17	380		345		125	
		17-23	550		515		295	
WR								
SR	1st June 2012 to 17th June 2012	00-05 10-19	1130	0	1130	1130	0	149 MW allocation from ER ISGS to SR. MTOA of 750 MW towards SR (not path specific)
		05-10 19-24	1630		1630		500	
	18th June 2012 to 19th June 2012	00-05 10-19	1570		1570		440	
		05-10 19-24	2000		2000		870	
	20th June 2012 to 30th June 2012	00-05 10-13 17-19	1770		1770		640	Revised due to shutdown of Simhadri Unit # 3
		13-17	1570		1570		440	
		05-10 19-24	2000		2000		870	

**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)	Comments
ER								
NR	1st June 2012 to 30th June 2012	00-24	2300	500	1800	286	1514	
NER	1st June 2012 to 11th June 2012 and 28th June 2012 to 30th June 2012	00-17 23-24	570	100	470	0	470	
		17-23	570		470		470	
	1st June 2012 to 30th June 2012	00-17 23-24	570		470		470	
		08-17	180		80		80	
		17-23	570		470		470	
WR								
SR	1st June 2012 to 14th June 2012	00-24	1800	0	1800	197	1603	
	15th June 2012 to 30th June 2012	00-24	1800		1800	148	1652	

## Limiting Constraints

<b>NR</b>	<b>Import</b>	(n-1-1) contingency of 400 kV Farakka-Malda (n-1) contingency of 400kV Bina-Gwalior one circuit leading to over loading of the other circuit of 400 kV Bina-Gwalior and 400kV Soja-Zerda S/C
	<b>Export</b>	(n-1) contingency of 400 kV Kahalgaon-Maithon
<b>NER</b>	<b>Import</b>	High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV 315 MVA ICT at Balipara (n-1-1) contingency of 400 kV Farakka-Malda
	<b>Export</b>	High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV 315 MVA ICT at Misa (n-1) contingency of 400 kV Binaguri-Bongaigaon*
<b>SR</b>	<b>Import</b>	High loading of 400 kV Raipur-Bhadrawati T/C and Bhilai-Bhadrawati S/C Low Voltage in Chennai Area (n-1) contingency of 400 kV Vijaywada-Nellore
	<b>Export</b>	(n-1) contingency of Chandrapur-Parli (n-1) contingency of 400 kV Farakka-Kahalgaon and Maithon Kahalgaon (n-1) contingency of 400 kV Kadappa-Kolar and neyvelli- Sriperumbudur

## ASSUMPTIONS IN BASECASE

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
<b>I</b>	<b>NORTHERN REGION</b>				
1	Punjab	7331	6200	2784	2484
2	Haryana	5337	5469	3043	3043
3	Rajasthan	5900	6710	3403	3343
4	Delhi	4453	4000	1416	1416
5	Uttar Pradesh	9500	10000	4614	4636
6	Jammu & Kashmir	2073	1925	668	675
7	Uttarakhand	1479	1100	881	825
8	Himachal Pradesh	1030	970	745	745
9	Chandigarh	288	237	0	0
10	ISGS			17938	16840
	<b>Total NR</b>	<b>37391</b>	<b>36611</b>	<b>35491</b>	<b>34005</b>
<b>II</b>	<b>EASTERN REGION</b>				
1	West Bengal	5700	4750	4617	3942
2	Jharkhand	850	700	390	390
3	Orissa	3150	2250	2707	2092
4	Bihar	1700	1400	130	130
5	Damodar Valley Corporation	2000	1800	1551	1551
6	Sikkim	60	60	0	0
7	Bhutan	110	110	1400	1400
8	ISGS			5770	5150
	<b>Total ER</b>	<b>13570</b>	<b>11070</b>	<b>16565</b>	<b>14655</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2696	2071	3048	2920
2	Madhya Pradesh	5196	3722	3448	2663
3	Maharashtra	15144	12422	11287	8946
4	Gujarat	9459	9041	8246	6944
5	Goa	310	290	0	0
6	Daman and Diu	262	312	0	0
7	Dadra and Nagar Haveli	663	607	0	0
8	ISGS			11646	11493
	<b>Total WR</b>	<b>33730</b>	<b>28466</b>	<b>37675</b>	<b>32966</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	9350	8496	6558	5538
2	Tamil Nadu	10050	9973	5125	4335
3	Karnataka	6500	4450	4082	3198
4	Kerala	2500	1610	1892	1081
5	Pondy	286	200		
6	Goa	60	60		
7	ISGS			9743	9057
	<b>Total SR</b>	<b>28746</b>	<b>24789</b>	<b>27400</b>	<b>23209</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
1	Manipur	120	70	0	0
2	Meghalaya	258	180	120	70
3	Mizoram	70	40	0	0
4	Nagaland	70	60	15	15
5	Assam	950	700	240	220
6	Tripura	180	100	105	100
7	Arunachal Pradesh	70	55	0	0
8	ISGS			1292	682
	<b>Total NER</b>	<b>1718</b>	<b>1205</b>	<b>1772</b>	<b>1087</b>
	<b>Total All India</b>	<b>115155</b>	<b>102141</b>	<b>118903</b>	<b>105922</b>