National Load Despatch Centre
Total Transfer Capability for June 2012

Issue Date: 26/06/2012 Issue Time: 1230 hrs Revision No. 10

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	
NR-ER	1st June 2012 to 30th June 2012	00-17 23-24	800	200	600	0	600	
		17-23	900		700		700	
ER-NR	26th June 2012 to 30th June 2012	00-24	4000	300	3700	1082	2618	Revised due to restoration of Malda-Purnea D/C
WR-ER	1st June 2012 to 30th June 2012	00-17 23-24	900	300	600	0	600	
		17-23	1000		700		700	
ER-WR	1st June 2012 to 30th June 2012	00-24	950	300	650	589	61	
WR-SR	26th June 2012 to 30th June 2012	00-24	1000	0	1000	992	8	Revised due to reduced gas generation in AP on account of low gas availability
SR-WR	1st June 2012 to 30th June 2012	00-24	1000	0	1000	0	1000	
ER-SR#	26th June 2012 to 30th June 2012	00-05 10-13 17-19	1170	0	1170	170	1000	Revised due to reduced gas generation in AP on account of low gas availability
		13-17	970		970		800	
		05-10 19-24	1200		1200		1030	
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 23-24	600	35	565	220	345	
		17-23	600		565		345	
	12th June 2012 to 27th June 2012	00-08 23-24	600		565		345	
		08-17'	380		345		125	
		17-23	600		565		345	
NER-ER	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	
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
NR-WR	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
WR-NR	(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
NR-ER	(n-1) contingency of 400 kV Pusauli-Biharsharif
ER-NR	(n-1-1) contingency of 400 kV Purnea-Muzaffarpur
WR-ER	(n-1) contingency of 400 kV Maithon-Kahalgaon Highloading of 220kV Korba(E)-Raigarh
ER-WR	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
WR-SR	HVDC Bhadrawati B/B link capacity* (n-1) contingency of 400 kV Vijaywada-Nellore*
SR-WR	(n-1) contingency of Chandrapur-Parli
ER-SR	(n-1) contingency of 400 kV Vijaywada-Nellore* Low Voltage in Chennai Area* (n-1) contingency of 400 kV Talcher-Rourkela
SR-ER	(n-1) contingency of 400 kV Farakka-Kahalgaon* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri High Loading of 400/220 kV ICT at Balipara
NER-ER	(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
S1-S2	(n-1) contingency of 400 kV Hosur-Salem
Punjab Import	(n-1) contingency of 400/ 220 kV Moga ICT Low Voltage in Punjab

*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#	26th June 2012 to 30th June 2012	00-24	6200	500	5700	1342	4358	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	600		565		345	
	12th June 2012 to 27th June 2012	00-08 23-24	600		565		345	
		08-17'	380		345		125	
		17-23	600		565		345	
WR								
SR	26th June 2012 to 30th June 2012	00-05 10-13 17-19	2170	0	2170	1162	1008	Revised due to reduced gas generation in AP on account of low gas availability
		13-17	1970		1970		808	
		05-10 19-24	2200		2200		1038	

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

NR	**Import**	(n-1) contingency of 400 kV Purnea-Muzaffarpur (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
	Export	(n-1) contingency of 400 kV Kahalgaon-Maithon
NER	**Import**	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
	Export	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*
SR	**Import**	Link capacity of HVDC Bhadrawati B/B Low Voltage in Chennai Area (n-1) contingency of 400 kV Vijaywada-Nellore
	Export	(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)
I	**NORTHERN REGION**				
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
	Total NR	**37391**	**36611**	**35491**	**34005**
II	**EASTERN REGION**				
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
	Total ER	**13570**	**11070**	**16565**	**14655**
III	**WESTERN REGION**				
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
	Total WR	**33730**	**28466**	**37675**	**32966**
IV	**SOUTHERN REGION**				
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
	Total SR	**28746**	**24789**	**27400**	**23209**
V	**NORTH-EASTERN REGION**				
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
	Total NER	**1718**	**1205**	**1772**	**1087**
	Total All India	**115155**	**102141**	**118903**	**105922**