

National Load Despatch Centre
Total Transfer Capability for June 2012

Issue Date: 31/05/2012

Issue Time: 1800 hrs

Revision No. 4

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	1st June 2012 to 30th June 2012	00-24	2200	200	2000	260	1740	
NR-ER	1st June 2012 to 30th June 2012	00-17	800	200	600	0	600	
		23-24	900		700		700	
ER-NR	1st June 2012 to 30th June 2012	00-17	2900	300	2600	1082	1518	
		23-24	2700		2400		1318	
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 14th June 2012	00-05 10-19	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)
		05-10 19-24	830		830		500	
	15th June 2012 to 30th June 2012	00-05 10-19	770		770		440	
		05-10 19-24	1270		1270		940	
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 30th June 2012	00-17	550	35	515	220	295	Revised due to change in load generation scenario in NER
		23-24	500		465		245	
NER-ER#	1st June 2012 to 30th June 2012	00-17	570	100	470	0	470	
		23-24	570		470		470	
S1-S2#	1st June 2012 to 30th June 2012	00-10	5800	100	5700	4000	1700	Change in LTA/ MTOA
		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 Farakka-Malda
WR-ER	(n-1) contingency of 400 kV Farakka-Malda and 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	High loading of 400 kV Raipur-Bhadravati T/C and Bhilai-Bhadrawati S/C (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*
SR-ER	(n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	(n-1-1) contingency of 400 kV Farakka-Malda 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

*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	1st June 2012 to 30th June 2012	00-17	4600	500	4100	1342	2758	
		23-24	4400		3900		2558	
NER	1st June 2012 to 30th June 2012	00-17	550	35	515	220	295	
		23-24	500		465		245	
WR								
SR	1st June 2012 to 14th June 2012	00-05	1130	0	1130	1130	0	149 MW allocation from ER ISGS to SR. MTOA of 750 MW towards SR (not path specific)
		10-19	1630		1630		500	
	15th June 2012 to 30th June 2012	00-05	1570		1570		440	
		10-19	2070		2070		940	

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 30th June 2012	00-17	570	100	470	0	470	
		23-24	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-1-1) 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
	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	High loading of 400 kV Raipur-Bhadravati T/C and Bhilai-Bhadrawati S/C 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