

**National Load Despatch Centre
Total Transfer Capability for July 2011**

Issue Date: 4/07/2011

Issue Time: 1100 hrs

Revision No. 2

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 July 2011 to 31st July 2011	00-24	1500	200	1300	55	1245	
WR-NR	1st July 2011 to 31st July 2011	00-24	2000	200	1800	0	1800	
NR-ER	1st July 2011 to 31st July 2011	00-24	850	200	650	0	650	
ER-NR#	1st July 2011 to 7th July 2011	00-24	2600	300	2300	1027	1273	Revised due to shutdown of 400 kV Kahalgaon-Patna and Kahalgaon-Barh-Patna
	8th July 2011 to 31st July 2011	00-24	4000		3700	1027	2673	
WR-ER	1st July 2011 to 31st July 2011	00-17	900	300	600	0	600	
		23-24	1000		700		700	
ER-WR	1st July 2011 to 31st July 2011	00-24	1100	300	800	451	349	
WR-SR	1st July 2011 to 15th July 2011	00-24	1000	0	1000	0	1000	
	16th July 2011 to 31st July 2011	00-24	800	0	800	0	800	
SR-WR	1st July 2011 to 31st July 2011	00-24	850	0	850	0	850	
ER-SR	1st July 2011 to 31st July 2011	00-24	330	100	230	113	117	
SR-ER	1st July 2011 to 31st July 2011	00-17	700	100	600	197	403	
		23-24	800		700		503	
ER-NER	1st July 2011 to 31st July 2011	00-24	500	50	450	220	230	
NER-ER	1st July 2011 to 31st July 2011	00-24	500	100	400	0	400	
S1-S2^	1st July 2011 to 7th July 2011	00-24	4400	100	4300	3100	1200	
	8th July 2011 to 31st July 2011	00-24	4900	100	4800	3100	1700	

#Revised

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	Over loading of 400kV Bina-Nagda D/C and 400kV Khandwa-Dhule D/C (n-1) contingency of 400kV Bina-Gwalior one circuit leading to over loading of the other circuit of 400
WR-NR	kV Bina-Gwalior and 400kV Soja-Zerda S/C
NR-ER	(n-1) contingency of 400 kV Kahalgaon-Maithon
ER-NR	(n-1) contingency of 400 kV Farakka-Kahalgaon
WR-ER	(n-1) contingency of 400 kV Farakka-Kahalgaon (n-1) contingency of 220 kV Budhipadar-Tarkera High loading of 220 kV 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 Rourkela-Raigarh
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-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 315 MVA ICT at Misa (n-1) contingency of 400 kV Binaguri-Bongaigaon*
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
SI-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 July 2011 to 7th July 2011	00-24	4400	500	3900	1027	2873	Revised due to shutdown of 400 kV Kahalgaon-Patna and Kahalgaon-Barh-Patna
	8th July 2011 to 31st July 2011	00-24	5700		5200		4173	
NER	1st July 2011 to 31st July 2011	00-24	500	50	450	220	230	
WR								
SR	1st July 2011 to 15th July 2011	00-24	1330	100	1230	113	1117	
	16th July 2011 to 31st July 2011	00-24	1130	100	1030	113	917	

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 July 2011 to 31st July 2011	00-24	2300	500	1800	55	1745	
NER	1st July 2011 to 31st July 2011	00-24	500	100	400	0	400	
WR								
SR	1st July 2011 to 31st July 2011	00-17	1550	100	1450	197	1253	
		23-24			1550		1353	
		17-23	1650					

Revised

Limiting Constraints

NR	Import	(n-1) contingency of 400 kV Farakka-Kahalgaon
	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 Misa (n-1) contingency of 400 kV Farakka-Kahalgaon
	Export	(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*
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 for peak-period (n-1) contingency of 400 kV Kadappa-Kolar and neyvelli- Sriperumbudur

ASSUMPTIONS IN BASECASE

Sl.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	6738	6088	2590	2358
2	Haryana	5128	4371	2965	2965
3	Rajasthan	6189	5951	3894	3894
4	Delhi	4193	3372	1416	1416
5	Uttar Pradesh	8934	9963	3705	3685
6	Jammu & Kashmir	1847	1807	614	595
7	Uttarakhand	1256	1091	750	849
8	Himachal Pradesh	1005	962	783	601
9	Chandigarh	270	147	0	0
10	ISGS			16195	14173
	Total NR	35560	33753	32911	30535
II	EASTERN REGION				
1	West Bengal	5500	4550	5000	4230
2	Jharkhand	900	650	330	300
3	Orissa	2900	1950	2160	1320
4	Bihar	1300	1100	145	145
5	Damodar Valley Corporation	2100	1750	2110	2050
6	Sikkim	60	60	0	0
7	Bhutan	125	125	240	170
8	ISGS			4991	4991
	Total ER	12885	10185	14976	13206
III	WESTERN REGION				
1	Chattisgarh	2398	1700	3061	2441
2	Madhya Pradesh	5303	3975	2953	1791
3	Maharashtra*	13634	10150	11797	8281
4	Gujrat	8833	6951	8775	7068
5	Goa	388	271	0	0
6	Daman and Diu	200	170	0	0
7	Dadra and Nagar Haveli	450	350	0	0
8	ISGS			8876	8196
	Total WR	31205	23566	35462	27777
IV	SOUTHERN REGION				
1	Andhra Pradesh	9716	7750	7596	6956
2	Tamil Nadu	10350	8811	5116	3914
3	Karnataka	6186	5518	5927	2630
4	Kerala	2850	1760	2160	1333
5	Pondy	220	180		
6	Goa	90	60		
7	ISGS			7144	7070
	Total SR	29412	24079	27943	21903
V	NORTH-EASTERN REGION				
1	Manipur	80	65	0	0
2	Meghalaya	190	120	55	10
3	Mizoram	70	30	0	0
4	Nagaland	80	45	10	5
5	Assam	800	560	230	200
6	Tripura	120	75	90	80
7	Arunachal Pradesh	65	45	0	0
8	ISGS			765	510
	Total NER	1405	940	1150	805
	Total All India	110467	92523	112442	94226