National Load Despatch Centre
Total Transfer Capability for February 2012

Issue Date: 30/11/2011 Issue Time: 1400 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)	Comments
NR-WR	1st February 2012 to 29th February 2012	00-24	1900	200	1700	286	1414	
WR-NR	1st February 2012 to 29th February 2012	00-24	2000	200	1800	0	1800	
NR-ER	1st February 2012 to 29th February 2012	00-17 23-24	800	200	600	0	600	
		17-23	900		700		700	
ER-NR	1st February 2012 to 29th February 2012	00-17 23-24	3100	300	2800	977	1823	
		17-23	3400		3100		2123	
WR-ER	1st February 2012 to 29th February 2012	00-17 23-24	900	300	600	0	600	
		17-23	1000		700		700	
ER-WR	1st February 2012 to 29th February 2012	00-24	900	300	600	430	170	
WR-SR	1st February 2012 to 29th February 2012	00-24	800	0	800	800	0	
SR-WR	1st February 2012 to 29th February 2012	00-24	850	0	850	0	850	
ER-SR	1st February 2012 to 29th February 2012	00-05 10-19	330	0	330	330	0	
		05-10 19-24	830		830		500	
SR-ER	1st February 2012 to 29th February 2012	00-17 23-24	700	0	700	197	503	
		17-23	800		800		603	
ER-NER	1st February 2012 to 29th February 2012	00-17 23-24	500	50	450	204	246	
		17-23				208	242	
NER-ER	1st February 2012 to 29th February 2012	00-24	570	100	470	0	470	
S1-S2	1st February 2012 to 29th February 2012	00-24	5000	100	4900	3100	1800	

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 Maithon-Jamshedpur
ER-NR	(n-1) contingency of 400 kV Farakka-Malda
WR-ER	(n-1) contingency of 400 kV Farakka-Malda and Maithon-Kahalgaon
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 Maithon-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 and Maithon-Kahalgaon (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	(n-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 315 MVA ICT at Misa
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 February 2012 to 29th February 2012	00-17 23-24	4800	500	4300	977	3323	
		17-23	5100		4600		3623	
NER	1st February 2012 to 29th February 2012	00-17 23-24	500	50	450	204	246	
		17-23				208	242	
WR								
SR	1st February 2012 to 29th February 2012	00-05 10-19	1130	0	1130	1130	0	
		05-10 19-24	1630		1630		500	

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 February 2012 to 29th February 2012	00-24	2300	500	1800	286	1514	
NER	1st February 2012 to 29th February 2012	00-24	570	100	470	0	470	
WR								
SR	1st February 2012 to 29th February 2012	00-17 23-24	1550	0	1550	197	1353	
		17-23	1650		1650		1453	

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-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	5182	3499	2668	2287
2	Haryana	4728	3718	2963	2963
3	Rajasthan	6057	5461	3605	3577
4	Delhi	3749	3121	1174	1174
5	Uttar Pradesh	8069	8116	3565	3585
6	Jammu & Kashmir	1688	1442	325	145
7	Uttarakhand	1151	1015	538	308
8	Himachal Pradesh	1013	895	222	64
9	Chandigarh	253	155	0	0
10	ISGS			15214	10686
	Total NR	**31890**	**27420**	**30273**	**24789**
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			5370	4950
	Total ER	**13570**	**11070**	**16165**	**14455**
III	**WESTERN REGION**				
1	Chattisgarh	2890	2343	3509	2836
2	Madhya Pradesh	6991	4680	4212	2677
3	Maharashtra	15000	12000	13232	10112
4	Gujarat	9915	7575	8984	6595
5	Goa	400	283	0	0
6	Daman and Diu	226	221	0	0
7	Dadra and Nagar Haveli	505	460	0	0
8	ISGS			9964	9754
	Total WR	**35927**	**27562**	**39901**	**31974**
IV	**SOUTHERN REGION**				
1	Andhra Pradesh	9500	8054	5731	4205
2	Tamil Nadu	9400	8190	5125	4335
3	Karnataka	5955	5045	4082	3198
4	Kerala	2645	1890	1892	1081
5	Pondy	260	260		
6	Goa	75	75		
7	ISGS			7843	7357
	Total SR	**27835**	**23514**	**24673**	**20176**
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	**110940**	**90771**	**112784**	**92481**