

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

Issue Date: 10/02/2012

Issue Time: 1100 hrs

Revision No. 3

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	800	200	600	0	600			
		23-24	900		700		700			
ER-NR	1st February 2012 to 29th February 2012	00-17	3100	300	2800	977	1823			
		23-24	3400		3100		2123			
WR-ER	1st February 2012 to 29th February 2012	00-17	900	300	600	0	600			
		23-24	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	700	0	700	197	503			
		23-24	800		800		603			
ER-NER#	1st February 2012	00-17	500	35	465	204	261	Revised due to shutdown of 400 kV Balipara-Bongaigaon II		
		23-24					208		257	
	2nd February 2012	00-17	305	35	465	204	66			
		17-23	500				208		257	
	3rd February 2012 to 15th February 2012 and 24th February 2012 to 29th February 2012	00-08	500	35	465	204	261			
		23-24	305				270		204	66
		08-17'	500				465		208	257
	16th February 2012	00-08	500	35	465	204	261			
		08-17' 23-24	305				270		204	66
	17th February 2012 to 22nd February 2012	17-23'	345	35	310	208	102			
		00-17	305				270		204	66
	23rd February 2012	17-23	500	35	465	208	257			
		23-24	500				465		204	261
	NER-ER#	1st February 2012	00-17	570	100	470	0		470	
23-24			170					70	70	
2nd February 2012		17-24	570	100	470	0	470			
		00-08	570				470	470		
3rd February 2012 to 15th February 2012 and 24th February 2012 to 29th February 2012		17-24	170	100	70	0	70			
		08-17'	170				70	70		
16th February 2012		00-08	570	100	470	0	470			
		08-17' 23-24	170				70	70		
17th February 2012 to 22nd February 2012		17-23'	135	100	35	0	35			
		00-17	170				70	70		
23rd February 2012	17-23	170	100	70	0	70				
	17-24	570				470	470			
SI-S2	1st February 2012 to 29th February 2012	00-24	5000	100	4900	3100	1800			
Jindal Tammar	1st February 2012 to 29th February 2012	00-24	900	0	900	264	636			
DD & DNH	1st February 2012 to 29th February 2012	00-24	980	0	980	LTA and MTOA may be considered as per ex Power Plant drawal 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 Maithon-Jamshedpur
ER-NR	(n-1) contingency of 400 kV Farakka-Malda
WR-ER	(n-1) contingency of 400 kV Farakka-Malda and Maithon-Kahalgaoon
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-Bhadrawati 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-Kahalgaoon (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 (n-1) contingency of 400 kV Balipara-Bongaigaon* High Loading of 400/220 kV 315 MVA ICT at Misa
NER-ER	(n-1) contingency of 400 kV Balipara-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 February 2012 to 29th February 2012	00-17	4800	500	4300	977	3323			
		23-24								
		17-23	5100		4600		3623			
NER#	1st February 2012	00-17	500	35	465	204	261	Revised due to shutdown of 400 kV Balipara-Bongaigaon II		
		23-24								
		17-23								257
	2nd February 2012	00-17	305	35	270	204	66			
		17-23	500		465	208	257			
		23-24				204	261			
	3rd February 2012 to 15th February 2012 and 24th February 2012 to 29th February	00-08	500	35	465	204	261			
		23-24								
		08-17'	305				270		204	66
	16th February 2012	17-23'	500	35	465	204	257			
		00-08	500				465		204	261
		08-17'	305				270		204	66
	23-24	345	310	208	102					
	17th February 2012 to 22nd February 2012	00-17	305	35	270	204	66			
		23-24								
17-23		345	310				208	102		
23rd February 2012	00-17	305	35	270	204	66				
	17-23	500				465	208	257		
	23-24	500				465	204	261		
WR										
SR	1st February 2012 to 29th February 2012	00-05	1130	0	1130	1130	0			
		10-19								
		05-10	1630		1630		500			
		19-24								

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	Revised due to shutdown of 400 kV Balipara-Bongaigaon II			
NER#	1st February 2012	00-17	570	100	470	0	470				
		23-24									
		17-23									
	2nd February 2012	00-17	170	100	470	0	70				
		17-24	570				470				
	3rd February 2012 to 15th February 2012 and 24th February 2012 to 29th February	00-08	570	100	470	0	470				
		17-24									
		08-17'	170				70				
	16th February 2012	00-08	570	100	470	0	470				
		08-17'	170				70		35		
		23-24	135							35	
	17th February 2012 to 22nd February 2012	17-23'	170	100	70	0	70				
		00-17	170				35		35		
		23-24	135								
23rd February 2012	00-17	170	100	70	0	70					
	17-24	570				470					
WR											
SR	1st February 2012 to 29th February 2012	00-17	1550	0	1550	197	1353				
		23-24									
		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 (n-1) contingency of 400 kV Balipara-Bongaigaon* 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 Balipara-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