

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

Issue Date: 27/02/2012

Issue Time: 1100 hrs

Revision No. 1

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 March 2012 to 31st March 2012	00-24	1900	200	1700	286	1414	
WR-NR	1st March 2012 to 31st March 2012	00-24	2000	200	1800	0	1800	
NR-ER	1st March 2012 to 31st March 2012	00-17	800	200	600	0	600	
		23-24	900		700		700	
ER-NR	1st March 2012 to 31st March 2012	00-17	3000	300	2700	977	1723	
		23-24	3100		2800		1823	
WR-ER	1st March 2012 to 31st March 2012	00-17	900	300	600	0	600	
		23-24	1000		700		700	
ER-WR	1st March 2012 to 31st March 2012	00-24	900	300	600	430	170	
WR-SR	1st March 2012 to 31st March 2012	00-24	800	0	800	800	0	
SR-WR	1st March 2012 to 31st March 2012	00-24	850	0	850	0	850	
ER-SR	1st March 2012 to 31st March 2012	00-05 10-19	330	0	330	330	0	
		05-10 19-24	830		830		500	
SR-ER	1st March 2012 to 31st March 2012	00-17	700	0	700	197	503	
		23-24	800		800		603	
ER-NER#	1st March 2012 to 10th March 2012	00-08	450	35	415	204	211	Revised due to shutdown of 400 kV Balipara-Bongaigaon I from 1st March 2012 to 10th March 2012.
		23-24	305		270	204	66	
		17-23	450		415	208	207	
	11th March 2012 to 31st March 2012	00-17	450	35	415	204	211	
23-24		17-23			208	207		
NER-ER	1st March 2012 to 10th March 2012	00-08 17-24	570	100	470	0	470	Revised due to shutdown of 400 kV Balipara-Bongaigaon I from 1st March 2012 to 10th March 2012.
		08-17'	170		70		70	
	11th March 2012 to 31st March 2012	00-24	570	100	470	0	470	
S1-S2	1st March 2012 to 31st March 2012	00-24	5000	100	4900	3100	1800	
Jindal Tamnar	1st March 2012 to 31st March 2012	00-24	1030	0	1030	264	766	
DD & DNH	1st March 2012 to 31st March 2012	00-24	980	0	980	LTA and MTOA may be considered as per ex Power Plant		

- 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
<b>NR-WR</b>	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
<b>WR-NR</b>	(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
<b>NR-ER</b>	(n-1) contingency of 400 kV Pusauli-Biharsharif
<b>ER-NR</b>	(n-1) contingency of 400 kV Farakka-Malda
<b>WR-ER</b>	(n-1) contingency of 400 kV Farakka-Malda and Maithon-Kahalgaon
<b>ER-WR</b>	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
<b>WR-SR</b>	High loading of 400 kV Raipur-Bhadravati T/C and Bhilai-Bhadrawati S/C (n-1) contingency of 400 kV Vijaywada-Nellore*
<b>SR-WR</b>	(n-1) contingency of Chandrapur-Parli
<b>ER-SR</b>	(n-1) contingency of 400 kV Vijaywada-Nellore* Low Voltage in Chennai Area*
<b>SR-ER</b>	(n-1) contingency of 400 kV Farakka-Malda (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
<b>ER-NER</b>	(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
<b>NER-ER</b>	(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
<b>S1-S2</b>	(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 March 2012 to 31th March 2012	00-17 23-24	4700	500	4200	977	3223	
		17-23	4800		4300		3323	
NER#	1st March 2012 to 10th March 2012	00-08 23-24	450	35	415	204	211	Revised due to shutdown of 400 kV Balipara-Bongaigaon I from 1st March 2012 to 10th March 2012.
		08-17'	305		270	204	66	
		17-23	450		415	208	207	
	11th March 2012 to 31th March 2012	00-17 23-24	450	35	415	204	211	
		17-23				208	207	
	WR							
SR	1st March 2012 to 31th March 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 March 2012 to 31th March 2012	00-24	2300	500	1800	286	1514	
NER#	1st March 2012 to 10th March 2012	00-08 17-24	570	100	470	0	470	Revised due to shutdown of 400 kV Balipara-Bongaigaon I from 1st March 2012 to 10th March 2012.
		08-17'	170		70		70	
	11th March 2012 to 31th March 2012	00-24	570	100	470	0	470	
WR								
SR	1st March 2012 to 31th March 2012	00-17 23-24	1550	0	1550	197	1353	
		17-23	1650		1650		1453	

## Limiting Constraints

<b>NR</b>	<b>Import</b>	(n-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
	<b>Export</b>	(n-1) contingency of 400 kV Kahalgaon-Maithon
<b>NER</b>	<b>Import</b>	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*
	<b>Export</b>	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*
<b>SR</b>	<b>Import</b>	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
	<b>Export</b>	(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)
<b>I</b>	<b>NORTHERN REGION</b>				
1	Punjab	5455	4726	2401	2359
2	Haryana	4718	4035	2963	2963
3	Rajasthan	6380	5544	3889	3862
4	Delhi	3663	3086	1206	1206
5	Uttar Pradesh	8600	7600	4137	4128
6	Jammu & Kashmir	1523	1200	432	329
7	Uttarakhand	1118	981	574	361
8	Himachal Pradesh	1032	905	173	155
9	Chandigarh	212	120	0	0
10	ISGS			15742	10887
	<b>Total NR</b>	<b>32701</b>	<b>28197</b>	<b>31518</b>	<b>26250</b>
<b>II</b>	<b>EASTERN REGION</b>				
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
	<b>Total ER</b>	<b>13570</b>	<b>11070</b>	<b>16565</b>	<b>14655</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2751	2550	3724	3348
2	Madhya Pradesh	6076	4400	3469	2383
3	Maharashtra	15513	13300	11238	9104
4	Gujarat	9658	7800	8794	7145
5	Goa	380	270	0	0
6	Daman and Diu	270	312	0	0
7	Dadra and Nagar Haveli	683	607	0	0
8	ISGS			11679	11226
	<b>Total WR</b>	<b>35331</b>	<b>29239</b>	<b>38904</b>	<b>33206</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	9500	8054	5731	4205
2	Tamil Nadu	9400	8390	5125	4335
3	Karnataka	6055	5145	4082	3198
4	Kerala	2945	1890	1892	1081
5	Pondy	260	260		
6	Goa	75	75		
7	ISGS			7843	7357
	<b>Total SR</b>	<b>28235</b>	<b>23814</b>	<b>24673</b>	<b>20176</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
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
	<b>Total NER</b>	<b>1718</b>	<b>1205</b>	<b>1772</b>	<b>1087</b>
	<b>Total All India</b>	<b>111555</b>	<b>93525</b>	<b>113431</b>	<b>95374</b>