

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

Issue Date: 04/01/2011

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 March 2011 to 31st March 2011	00-24	1500	200	1300	55	1245	
WR-NR	1st March 2011 to 31st March 2011	00-24	1900	200	1700	0	1700	
NR-ER	1st March 2011 to 31st March 2011	00-24	850	200	650	0	650	
ER-NR	1st March 2011 to 31st March 2011	00-17 23-24	2800	300	2500	950	1550	
		17-23	3000		2700		1750	
WR-ER	1st March 2011 to 31st March 2011	00-17 23-24	900	300	600	0	600	
		17-23	1000		700		700	
ER-WR	1st March 2011 to 31st March 2011	00-24	1100	300	800	467	333	
WR-SR	1st March 2011 to 31st March 2011	00-24	1000	0	1000	0	1000	
SR-WR	1st March 2011 to 31st March 2011	00-24	850	0	850	0	850	
ER-SR	1st March 2011 to 31st March 2011	00-24	330	100	230	140	90	
SR-ER	1st March 2011 to 31st March 2011	00-17 23-24	900	100	800	180	620	
		17-23	1100		1000		820	
ER-NER	1st March 2011 to 31st March 2011	00-17 23-24	350	50	300	196	104	
		17-23	350		300		183	117
NER-ER	1st March 2011 to 31st March 2011	00-24	600	100	500	0	500	
S1-S2^	1st March 2011 to 31st March 2011	00-24	4900	100	4800	3100	1700	

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>	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 kV
<b>WR-NR</b>	Bina-Gwalior and 400kV Soja-Zerda S/C
<b>NR-ER</b>	(n-1) contingency of 400 kV Kahalgaon-Maithon
<b>ER-NR</b>	(n-1) contingency of 400 kV Farakka-Malda
<b>WR-ER</b>	(n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 220 kV Budhipadar-Tarkera High loading of 220 kV Korba(E)-Raigarh
<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 Rourkela-Raigarh
<b>WR-SR</b>	High loading of 400 kV Raipur-Bhadravati T/C and Bhilai-Bhadrawati S/C
<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>	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>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 2011 to 31st March 2011	00-17 23-24	4650	500	4150	950	3200	
		17-23	4850		4350		3400	
NER	1st March 2011 to 31st March 2011	00-17 23-24	350	50	300	196	104	
		17-23	350		300		117	
WR								
SR	1st March 2011 to 31st March 2011	00-24	1330	100	1230	140	1090	

### 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 2011 to 31st March 2011	00-24	2300	500	1800	55	1745	
NER	1st March 2011 to 31st March 2011	00-24	600	100	500	0	500	
WR								
SR	1st March 2011 to 31st March 2011	00-17 23-24	1750	100	1650	180	1470	
		17-23	1950		1850		1670	

## Limiting Constraints

<b>NR</b>	<b>Import</b>	(n-1) contingency of 400 kV Farakka-Malda
	<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>	(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>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-Malda 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)
<b>I</b>	<b>NORTHERN REGION</b>				
1	Punjab	5200	4170	2045	2010
2	Haryana	4660	3920	3000	3000
3	Rajasthan	5640	5750	3700	3700
4	Delhi	3260	2630	850	850
5	Uttar Pradesh	7880	7970	3635	3800
6	Jammu & Kashmir	1690	1175	470	300
7	Uttarakhand	1105	845	430	280
8	Himachal Pradesh	935	530	165	170
9	Chandigarh	215	120		
10	ISGS			12450	8790
	<b>Total NR</b>	<b>30585</b>	<b>27110</b>	<b>26745</b>	<b>22900</b>
<b>II</b>	<b>EASTERN REGION</b>				
1	West Bengal	5350	4700	4730	4005
2	Jharkhand	950	650	630	370
3	Orissa	3100	1900	2520	1600
4	Bihar	1300	1200	150	150
5	Damodar Valley Corporation	2100	1600	2070	1600
6	Sikkim	45	45	0	0
7	Bhutan	125	125	170	340
8	ISGS			4670	4435
	<b>Total ER</b>	<b>12970</b>	<b>10220</b>	<b>14940</b>	<b>12500</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2650	2100	3230	2450
2	Madhya Pradesh	5600	4700	3710	2340
3	Maharashtra*	15630	12340	12910	9900
4	Gujrat	9130	7300	8780	7700
5	Goa	380	300	0	0
6	Daman and Diu	300	200	0	0
7	Dadra and Nagar Haveli	560	450	0	0
8	ISGS			9530	9080
	<b>Total WR</b>	<b>34250</b>	<b>27390</b>	<b>38160</b>	<b>31470</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	12340	10690	9200	7620
2	Tamil Nadu	7610	6930	5500	4840
3	Karnataka	6300	4820	6070	4580
4	Kerala	2280	1380	2290	1380
5	Pondy	220	180		
6	Goa	90	60		
7	ISGS			7200	7080
	<b>Total SR</b>	<b>28840</b>	<b>24060</b>	<b>30260</b>	<b>25500</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
1	Manipur	80	65	0	0
2	Meghalaya	190	120	55	10
3	Mizoram	50	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	490
	<b>Total NER</b>	<b>1385</b>	<b>940</b>	<b>1150</b>	<b>785</b>
	<b>Total All India</b>	<b>108030</b>	<b>89720</b>	<b>111255</b>	<b>93155</b>