

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

Issue Date: 29/06/2012

Issue Time: 1700 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 October 2012 to 31st October 2012	00-24	1900	200	1700	55	1645	
WR-NR	1st October 2012 to 31st October 2012	00-24	2400	200	2200	260	1940	
NR-ER	1st October 2012 to 31st October 2012	00-17	800	200	600	0	600	
		23-24	900		700		700	
ER-NR	1st October 2012 to 31st October 2012	00-24	4000	300	3700	1168	2532	
WR-ER	1st October 2012 to 31st October 2012	00-24	1000	300	700	0	700	
ER-WR	1st October 2012 to 31st October 2012	00-24	1000	300	700	650	50	
WR-SR	1st October 2012 to 31st October 2012	00-24	800	0	800	800	0	LTA of 231 MW from Jajjar to AP & Kerala.MTOA of 761 MW towards SR (not path specific)
SR-WR	1st October 2012 to 31st October 2012	00-24	1000	0	1000	0	1000	
ER-SR	1st October 2012 to 31st October 2012	00-05	527	0	527	352	175	Talcher-Kolar bipole would be operated at 2500 MW for 05-10 hrs and 19-24 hrs; 2000MW for 00-05 hrs, 10-13 hrs, 17-19 hrs; 1800 MW for 13-17 hrs, 160 MW allocation from ER ISGS to SR. MTOA of 761 MW towards SR (not path specific)
		05-10'	1027		1027		675	
		10-13'	527		527		175	
		13-17	327		327	0		
		17-19	527		527	175		
		19-24	1027		1027	675		
SR-ER	1st October 2012 to 31st October 2012	00-17	700	0	700	197	503	
		23-24	700		700		503	
		17-23	700		700		503	
ER-NER	1st October 2012 to 31st October 2012	00-17	600	35	565	200	365	
		23-24	600		565		200	
NER-ER	1st October 2012 to 31st October 2012	00-17	550	100	450	0	450	
	1st October 2012 to 31st October 2012	17-23	380		280		280	
S1-S2	1st October 2012 to 31st October 2012	00-10	5800	100	5700	3800	1900	
	1st October 2012 to 31st October 2012	10-24'	5500		5400		1600	
JPL Complex	1st October 2012 to 31st October 2012	00-24	1030	0	1030	0	1030	
Import of Punjab	1st October 2012 to 31st October 2012	00-24	5400	300	5100	3243	1857	
Import TTC for DD&DNH	1st October 2012 to 31st October 2012	00-24	980	0	980	LTA and MTOA as per ex-pp 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
<b>NR-WR</b>	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
<b>WR-NR</b>	(n-1) contingency of 400kV Bina-Gwalior
<b>NR-ER</b>	(n-1) contingency of 400 kV Pusauli-Biharsharif
<b>ER-NR</b>	(n-1) contingency of 400 kV Purnea-Muzaffarpur
<b>WR-ER</b>	(n-1) contingency of 400 kV Maithon-Kahalgaon Highloading of 220kV 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-Jamshedpur and 400 kV Rourkela-Raigarh
<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 400 kV 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 Maithon-Kahalgaon* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
<b>ER-NER</b>	(n-1) contingency of 400/220 kV, 315 MVA ICT at Misa High Loading of 400/220 kV 315 MVA ICT at Misa*
<b>NER-ER</b>	(n-1) contingency of 400 kV Purnea-Muzaffarpur (n-1) contingency 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 September 2012 to 30th September 2012	00-24	6200	500	5700	1428	4272	
NER	1st September 2012 to 30th September 2012	00-17	600	35	565	200	365	
		23-24			565	200	365	
WR								
SR	1st September 2012 to 30th September 2012	00-05	1327	0	1327	1152	175	
		05-10'	1827		1827		675	
		10-13'	1327		1327		175	
		13-17	1127		1127	0		
		17-19	1327		1327	175		
		19-24	1827		1827	675		

**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 September 2012 to 30th September 2012	00-17	2700	500	2200	55	2145	
		23-24			2300			
NER	1st September 2012 to 30th September 2012	00-17	550	100	450	0	450	
		23-24			280		280	
WR								
SR	1st September 2012 to 30th September 2012	00-17	1700	0	1700	197	1503	
		23-24			1700		1503	

## Limiting Constraints

<b>NR</b>	<b>Import</b>	(n-1) contingency of 400 kV Purnea Muzaffarpur* (n-1) contingency of 400kV Bina-Gwalior
	<b>Export</b>	(n-1) contingency of 400 kV Kahalgaon-Maithon
<b>NER</b>	<b>Import</b>	(n-1) contingency of 400/220 kV, 315 MVA ICT at Misa High Loading of 400/220 kV 315 MVA ICT at Misa*
	<b>Export</b>	(n-1) contingency of 400 kV Purnea-Muzaffarpur (n-1) contingency 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 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	5893	4383	2094	2005
2	Haryana	5518	5002	3432	3432
3	Rajasthan	6376	5740	4033	4037
4	Delhi	4018	3400	1310	1310
5	Uttar Pradesh	10013	9630	5720	5480
6	Jammu & Kashmir	1804	1407	485	514
7	Uttarakhand	1311	1100	631	617
8	Himachal Pradesh	1030	970	471	565
9	Chandigarh	270	122	0	0
10	ISGS			18226	16779
	<b>Total NR</b>	<b>36233</b>	<b>31754</b>	<b>36402</b>	<b>34739</b>
<b>II</b>	<b>EASTERN REGION</b>				
1	West Bengal	6250	4930	4617	3942
2	Jharkhand	900	700	390	390
3	Orissa	3300	2400	2707	2092
4	Bihar	1650	1300	130	130
5	Damodar Valley Corporation	2200	1900	1551	1551
6	Sikkim	60	60	0	0
7	Bhutan	110	110	1400	1400
8	ISGS			6236	6236
	<b>Total ER</b>	<b>14470</b>	<b>11400</b>	<b>17031</b>	<b>15741</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2767	2138	2518	1945
2	Madhya Pradesh	7653	6229	3443	2802
3	Maharashtra	15659	11906	20416	9454
4	Gujarat	9908	7881	11085	6815
5	Goa	327	198		
6	Daman and Diu	218	157		
7	Dadra and Nagar Haveli	535	241		
8	ISGS			11885	10442
	<b>Total WR</b>	<b>37067</b>	<b>28750</b>	<b>49347</b>	<b>31458</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	10670	9100	7206	6040
2	Tamil Nadu	10414	8700	4893	4373
3	Karnataka	7570	5700	5071	3389
4	Kerala	3048	2200	1693	873
5	Pondy	326	280	0	0
6	Goa	80	80	0	0
7	ISGS			7503	7241
	<b>Total SR</b>	<b>32108</b>	<b>26060</b>	<b>26366</b>	<b>21916</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
1	Manipur	110	77	0	0
2	Meghalaya	270	189	110	70
3	Mizoram	75	53	8	8
4	Nagaland	110	77	12	12
5	Assam	1150	805	270	220
6	Tripura	250	175	95	90
7	Arunachal Pradesh	110	77	0	0
8	ISGS			940	580
	<b>Total NER</b>	<b>2075</b>	<b>1453</b>	<b>1435</b>	<b>980</b>
	<b>Total All India</b>	<b>121953</b>	<b>99417</b>	<b>130581</b>	<b>104834</b>