

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

Issue Date: 07/10/2011

Issue Time: 1200 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 November 2011 to 30th November 2011	00-24	1900	200	1700	286	1414	Revised due to Long Term allocation to Andhra Pradesh from IGSTPS, Jhajar in NR
WR-NR	1st November 2011 to 30th November 2011	00-24	2000	200	1800	0	1800	
NR-ER	1st November 2011 to 30th November 2011	00-17	800	200	600	0	600	
		23-24						
		17-23	900		700		700	
ER-NR	1st November 2011 to 30th November 2011	00-24	3500	300	3200	944	2256	
WR-ER	1st November 2011 to 30th November 2011	00-17	900	300	600	0	600	
		23-24						
		17-23	1000		700		700	
ER-WR	1st November 2011 to 30th November 2011	00-24	1100	300	800	387	413	
WR-SR#	1st November 2011 to 30th November 2011	00-24	800	0	800	231	569	Revised due to Long Term allocation to Andhra Pradesh from IGSTPS, Jhajar in NR
SR-WR	1st November 2011 to 30th November 2011	00-24	850	0	850	0	850	
ER-SR	1st November 2011 to 30th November 2011	00-24	119	0	119	119	0	
SR-ER	1st November 2011 to 30th November 2011	00-17	700	0	700	197	503	
		23-24						
		17-23	800		800		603	
ER-NER	1st November 2011 to 30th November 2011	00-17	500	50	450	189	261	
		23-24						
		17-23				212	238	
NER-ER	1st November 2011 to 30th November 2011	00-24	600	100	500	0	500	
S1-S2	1st November 2011 to 30th November 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
NR-WR	Over loading of 400kV Bina-Nagda D/C and 400kV Khandwa-Dhule D/C
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 and Maithon-Kahalgao
WR-ER	(n-1) contingency of 400 kV Farakka-Malda and Maithon-Kahalgao (n-1) contingency of 220 kV Budhipadar-Korba (E)
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-Kahalgao (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	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	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 November 2011 to 30th November 2011	00-17 23-24	5200	500	4700	944	3756	
NER	1st November 2011 to 30th November 2011	00-17 23-24	500	50	450	189	261	
		17-23				212	238	
WR								
SR	1st November 2011 to 30th November 2011	00-24	919	0	919	350	569	Revised due to Long Term allocation to Andhra Pradesh from IGSTPS, Jhajjar in NR

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 November 2011 to 30th November 2011	00-24	2300	500	1800	286	1514	
NER	1st November 2011 to 30th November 2011	00-24	600	100	500	0	500	
WR								
SR	1st November 2011 to 30th November 2011	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
	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*
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 neyveli- Sriperumbudur

ASSUMPTIONS IN BASECASE

Sl.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	5550	4257	2190	2137
2	Haryana	4501	3696	2803	2803
3	Rajasthan	5802	4814	3978	4019
4	Delhi	3498	3109	1174	1174
5	Uttar Pradesh	8800	8926	3505	3481
6	Jammu & Kashmir	1502	1204	401	202
7	Uttarakhand	1252	973	590	386
8	Himachal Pradesh	1030	883	329	231
9	Chandigarh	255	130	0	0
10	ISGS			14570	9908
	Total NR	32190	27991	29539	24340
II	EASTERN REGION				
1	West Bengal	6000	4850	4417	3942
2	Jharkhand	850	700	390	390
3	Orissa	3250	2250	2507	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	13970	11170	15765	14455
III	WESTERN REGION				
1	Chattisgarh	2819	2358	2987	2797
2	Madhya Pradesh	6534	4693	4088	2835
3	Maharashtra	15230	13100	12780	9861
4	Gujarat	9560	6157	9848	6489
5	Goa	395	254	0	0
6	Daman and Diu	224	222	0	0
7	Dadra and Nagar Haveli	576	530	0	0
8	ISGS			10848	9736
	Total WR	35338	27314	40551	31718
IV	SOUTHERN REGION				
1	Andhra Pradesh	9762	8389	8051	6513
2	Tamil Nadu	9556	8128	4932	4222
3	Karnataka	6227	4428	4367	3382
4	Kerala	2403	2103	1833	1230
5	Pondy	250	220		
6	Goa	75	75		
7	ISGS			7464	7087
	Total SR	28273	23343	26647	22434
V	NORTH-EASTERN REGION				
1	Manipur	90	65	0	0
2	Meghalaya	218	160	120	70
3	Mizoram	65	45	0	0
4	Nagaland	70	57	15	15
5	Assam	910	700	280	262
6	Tripura	150	100	105	100
7	Arunachal Pradesh	70	55	0	0
8	ISGS			1136	995
	Total NER	1573	1182	1656	1442
	Total All India	111344	91000	114158	94389