

National Load Despatch Centre
Total Transfer Capability for November 2011

Issue Date: 11/11/2011

Issue Time: 1500 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 November 2011 to 30th November 2011	00-24	1900	200	1700	286	1414	
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	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	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	242	558	Revised due to MTOA from NSPCL, Bhilai to VISL-SAIL, Karnataka
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	00-05 10-19	120	0	120	120	0	HVDC Talcher Kolar power carrying capacity has been made 2500 MW during 05-10 and 19-24 hrs
		05-10 19-24	530		530		410	
SR-ER	1st November 2011 to 30th November 2011	00-17	700	0	700	197	503	
		23-24	800		800		603	
ER-NER	1st November 2011 to 30th November 2011	00-17	500	50	450	189	261	
		23-24						
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	
Daman & Diu and Dadra & Nagar Haveli	1st November 2011 to 30th November 2011	00-24	980	0	980	980	0	
Jindal Tamnar	1st November 2011 to 30th November 2011	00-24	900	0	900	0	900	
Import of Punjab	1st November 2011 to 30th November 2011	00-24	5000	300	4700	2850	1850	

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
Daman & Diu and Dadra & Nagar Haveli	High loading on 400/220kV 2X315MVA Vapi ICTs

*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 17-23	500	50	450	189 212	261 238	
WR								
SR#	1st November 2011 to 30th November 2011	00-05 10-19 05-10 19-24	920 1330	0	920 1330	362 362	558 968	

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 17-23	1550 1650	0	1550 1650	197	1353 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