National Load Despatch Centre
Total Transfer Capability for August 2011

Issue Date: 03/08/2011 Issue Time: 1100 hrs Revision No. 4

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 August 2011 to 31st August 2011	00-24	1500	200	1300	55	1245	
WR-NR#	1st August 2011 to 2nd August 2011	00-24	1900	200	1700	0	1700	
	3rd August 2011 to 31st August 2011		2000		1800		1800	Revised due to present Load/Generation Pattern in WR
NR-ER	1st August 2011 to 31st August 2011	00-24	850	200	650	0	650	
ER-NR	1st August 2011 to 31st August 2011	00-17 23-24	4000	300	3700	1027	2673	
		17-23	4200		3900		2873	
WR-ER	1st August 2011 to 31st August 2011	00-24	1700	300	1400	0	1400	
ER-WR	1st August 2011 to 31st August 2011	00-24	1100	300	800	451	349	
WR-SR	1st August 2011 to 31st August 2011	00-24	1000	0	1000	0	1000	
SR-WR	1st August 2011 to 31st August 2011	00-24	850	0	850	0	850	
ER-SR	1st August 2011 to 5th August 2011	00-24	330	100	230	113	117	
	6th August 2011 to 31st August 2011	00-24	770	100	670	113	557	
SR-ER	1st August 2011 to 31st August 2011	00-17 23-24	800	100	700	197	503	
		17-23	900		800		603	
ER-NER	1st August 2011 to 31st August 2011	00-24	400	50	350	220	130	
NER-ER	1st August 2011 to 31st August 2011	00-24	500	100	400	0	400	
S1-S2^	1st August 2011 to 31st August 2011	00-24	4900	100	4800	3100	1700	
Import of Punjab	1st August 2011 to 31st August 2011	00-24	4800	300	4500	2850	1650	

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

 # Revised

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 Kahalgaon-Maithon
ER-NR	(n-1) contingency of 400 kV Farakka-Kahalgaon
WR-ER	(n-1) contingency of 400 kV Farakka-Kahalgaon
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 Rourkela-Raigarh
WR-SR	High loading of 400 kV Raipur-Bhadravati 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-Kahalgaon* (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
S1-S2	(n-1) contingency of 400 kV Hosur-Salem
Import of Punjab	High Loading of ICTs at Moga and Patiala and Low Voltages at large number of buses in Punjab system

*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 August 2011 to 31st August 2011	00-17 23-24	5600	500	5100	1027	4073	
		17-23	5800		5300		4273	
NER	1st August 2011 to 31st August 2011	00-24	400	50	350	220	130	
WR								
SR	1st August 2011 to 5th August 2011	00-24	1330	100	1230	113	1117	
	6th August 2011 to 31st August 2011	00-24	1770	100	1670	113	1557	

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 August 2011 to 31st August 2011	00-24	2300	500	1800	55	1745	
NER	1st August 2011 to 31st August 2011	00-24	500	100	400	0	400	
WR								
SR	1st August 2011 to 31st August 2011	00-17 23-24	1650	100	1550	197	1353	
		17-23	1750		1650		1453	

 # Revised

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 (n-1) contingency of 400 kV Farakka-Kahalgaon
	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 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)
I	NORTHERN REGION				
1	Punjab	6538	6776	2339	2643
2	Haryana	5078	4875	2963	2963
3	Rajasthan	5614	6682	3024	3025
4	Delhi	4349	3468	1330	1330
5	Uttar Pradesh	8905	9507	3765	4081
6	Jammu & Kashmir	1589	1530	612	593
7	Uttarakhand	1461	1122	904	533
8	Himachal Pradesh	1023	989	744	729
9	Chandigarh	218	169	0	0
10	ISGS			16484	15253
	Total NR	**34775**	**35118**	**32165**	**31150**
II	EASTERN REGION				
1	West Bengal	5565	4308	4417	3742
2	Jharkhand	949	770	390	390
3	Orissa	3202	2165	2507	2092
4	Bihar	1473	1224	130	130
5	Damodar Valley Corporation	2066	1815	1551	1551
6	Sikkim	60	60	0	0
7	Bhutan	110	110	1400	1400
8	ISGS			5753	5672
	Total ER	**13425**	**10452**	**16148**	**14977**
III	WESTERN REGION				
1	Chattisgarh	2676	1700	2615	2474
2	Madhya Pradesh	4173	3978	3027	1485
3	Maharashtra	13126	10914	10581	8159
4	Gujarat	7945	6118	7324	6393
5	Goa	313	240	0	0
6	Daman and Diu	218	204	0	0
7	Dadra and Nagar Haveli	467	459	0	0
8	ISGS			8303	7883
	Total WR	**28918**	**23613**	**31850**	**26394**
IV	SOUTHERN REGION				
1	Andhra Pradesh	10551	7475	10195	8125
2	Tamil Nadu	11205	8885	8255	5972
3	Karnataka	7058	5740	5439	2730
4	Kerala	2921	1950	1772	1452
5	Pondy	220	180		
6	Goa	90	60		
7	ISGS			7240	6778
	Total SR	**32045**	**24290**	**32901**	**25057**
V	NORTH-EASTERN REGION				
1	Manipur	99	70	0	0
2	Meghalaya	248	173	120	70
3	Mizoram	70	51	0	0
4	Nagaland	80	61	15	15
5	Assam	944	714	280	262
6	Tripura	169	102	105	100
7	Arunachal Pradesh	80	61	0	0
8	ISGS			1136	995
	Total NER	**1690**	**1232**	**1656**	**1442**
	Total All India	**110853**	**94705**	**114720**	**99020**