

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

Issue Date: 07/10/2011

Issue Time: 1400 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 October 2011 to 31st October 2011	00-24	1900	200	1700	286	1414	Revised due to Long Term allocation to Andhra Pradesh from IGSTPS, Jhajjar in NR
WR-NR	1st October 2011 to 31st October 2011	00-24	2100	200	1900	0	1900	
NR-ER	1st October 2011 to 31st October 2011	00-24	850	200	650	0	650	
ER-NR	1st October 2011 to 31st October 2011	00-17	4000	300	3700	1049	2651	
		23-24			3800		2751	
WR-ER	1st October 2011 to 31st October 2011	00-24	1200	300	900	0	900	
ER-WR	1st October 2011 to 31st October 2011	00-24	1100	300	800	433	367	
WR-SR#	1st October 2011 to 6th October 2011	00-24	800	0	800	0	800	
	7th October 2011 to 31st October 2011	00-24	800	0	800	231	569	Revised due to Long Term allocation to Andhra Pradesh from IGSTPS, Jhajjar in NR
SR-WR	1st October 2011 to 31st October 2011	00-24	850	0	850	0	850	
ER-SR	1st October 2011 to 28th October 2011	00-05	470	0	470	113	357	
		10-19	970		970		857	
	29th October 2011 to 31st October 2011	00-05		113	0	113	113	0
		10-19	540	540		427		
SR-ER	1st October 2011 to 28th October 2011	00-17	800	0	800	148	652	
		23-24	900		900		752	
	29th October 2011 to 31st October 2011	00-17		800	0	800	197	603
		23-24	900	900		703		
ER-NER	1st October 2011 to 31st October 2011	00-17	500	50	450	195	255	
		23-24					216	234
NER-ER	1st October 2011 to 31st October 2011	00-24	500	100	400	0	400	
S1-S2	1st October 2011 to 31st October 2011	00-24	4900	100	4800	3100	1700	
Jindal Power Ltd (Tamnar)#	1st October 2011 to 31st October 2011	00-24	900	0	900	0	900	

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
<b>NR-WR</b>	(n-1) contingency of 400kV Bina(PG)- Bina (MP)
<b>WR-NR</b>	(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
<b>NR-ER</b>	(n-1) contingency of 400 kV Kahalgaon-Maithon
<b>ER-NR</b>	(n-1) contingency of 400 kV Farakka-Kahalgaon
<b>WR-ER</b>	(n-1) contingency of 400 kV Farakka-Kahalgaon (n-1) contingency of 400 kV Maithon-Kahalgaon
<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 Maithon-Jamshedpur
<b>WR-SR</b>	High loading of 400 kV Raipur-Bhadrawati T/C and Bhilai-Bhadrawati S/C (n-1) contingency of 400 kV Vijaywada-Nellore*
<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-Kahalgaon and Maithon-Kahalgaon (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
<b>NER-ER</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
<b>SI-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 October 2011 to 31st October 2011	00-17	5800	500	5300	1049	4251	
		23-24						
		17-23	5900		5400		4351	
NER	1st October 2011 to 31st October 2011	00-17	500	50	450		195	255
		23-24						
		17-23					216	234
WR								
SR#	1st October 2011 to 6th October 2011	00-05	1270	0	1270	113	1157	Revised due to Long Term allocation to Andhra Pradesh from IGSTPS, Jhajjar in NR
		10-19						
	05-10	1770		1770		1657		
	19-24							
	7th October 2011 to 28th October 2011	00-05	1270	0	1270	344	926	
		10-19						
		05-10	1770		1770		1426	
		19-24						
29th October 2011 to 31st October 2011	00-05	913	0	913	344	569		
	10-19							
		05-10	1340		1340		996	
		19-24						

**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 October 2011 to 31st October 2011	00-24	2300	500	1800	286	1514	
NER	1st October 2011 to 31st October 2011	00-24	500	100	400	0	400	
WR								
SR	1st October 2011 to 28th October 2011	00-17	1650	0	1650	148	1502	
		23-24						
		17-23	1750		1750		1602	
	29th October 2011 to 31st October 2011	00-17	1650	0	1650	197	1453	
23-24								
		17-23	1750		1750		1553	

## Limiting Constraints

<b>NR</b>	<b>Import</b>	(n-1) contingency of 400 kV Farakka-Kahalgaon
	<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
	<b>Export</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*
<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-Kahalgaon and Maithon Kahalgaon (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	5859	5509	2239	2421
2	Haryana	4744	4334	2552	2552
3	Rajasthan	5856	5419	3573	3573
4	Delhi	3805	3400	1356	1356
5	Uttar Pradesh	8487	8757	3457	3583
6	Jammu & Kashmir	1600	1200	611	591
7	Uttarakhand	1200	1030	795	774
8	Himachal Pradesh	1030	970	523	484
9	Chandigarh	254	180	0	0
10	ISGS			14860	11330
	<b>Total NR</b>	<b>32835</b>	<b>30799</b>	<b>29965</b>	<b>26664</b>
<b>II</b>	<b>EASTERN REGION</b>				
1	West Bengal	6000	4900	4417	3742
2	Jharkhand	900	800	390	390
3	Orissa	3300	2350	2507	2092
4	Bihar	1600	1400	130	130
5	Damodar Valley Corporation	2100	1800	1551	1551
6	Sikkim	60	60	0	0
7	Bhutan	110	110	1400	1400
8	ISGS			5575	5575
	<b>Total ER</b>	<b>14070</b>	<b>11420</b>	<b>15970</b>	<b>14880</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2700	2150	3380	3290
2	Madhya Pradesh	6257	4646	3880	3300
3	Maharashtra	14660	12200	12320	10480
4	Gujarat	9210	8650	9990	8180
5	Goa	395	250	0	0
6	Daman and Diu	223	212	0	0
7	Dadra and Nagar Haveli	564	480	0	0
8	ISGS			8612	7721
	<b>Total WR</b>	<b>34009</b>	<b>28588</b>	<b>38182</b>	<b>32971</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	10265	9360	8360	6800
2	Tamil Nadu	9785	8250	5290	4480
3	Karnataka	6360	4530	4410	3390
4	Kerala	2550	2010	1980	1230
5	Pondy	220	210		
6	Goa	75	75		
7	ISGS			7660	6850
	<b>Total SR</b>	<b>29255</b>	<b>24435</b>	<b>27700</b>	<b>22750</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
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
	<b>Total NER</b>	<b>1690</b>	<b>1232</b>	<b>1656</b>	<b>1442</b>
	<b>Total All India</b>	<b>111859</b>	<b>96474</b>	<b>113473</b>	<b>98707</b>