

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

Issue Date: 16/09/2011

Issue Time: 0500 hrs

Revision No. 5

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 September 2011 to 30th September 2011	00-24	1500	200	1300	55	1245	
WR-NR	1st September 2011 to 15th September 2011	00-24	2200	200	2000	0	2000	
	16th September 2011 to 30th September 2011		2200		2000		2000	
NR-ER	1st September 2011 to 30th September 2011	00-24	850	200	650	0	650	
ER-NR	1st September 2011 to 30th September 2011	00-17	3500	300	3200	1014	2186	
		23-24						
		17-23						
WR-ER	1st September 2011 to 30th September 2011	00-24	1200	300	900	0	900	
ER-WR	1st September 2011 to 30th September 2011	00-24	1100	300	800	400	400	
WR-SR	1st September 2011 to 15th September 2011	00-24	1000	0	1000	0	1000	
	16th September 2011 to 31st September 2011	00-24	800	0	800	0	800	
SR-WR	1st September 2011 to 30th September 2011	00-24	850	0	850	0	850	
ER-SR	1st September 2011 to 15th September 2011	00-24	770	100	670	106	564	
	16th September 2011 to 31st September 2011	00-24	570		470		364	
SR-ER	1st September 2011 to 10th September 2011	00-17	700	0	700	148	552	
		23-24						
	11th September 2011 to 31st September 2011	17-23	800	800	652			
		00-17	700	0	700	197	503	
23-24								
17-23	800	800	603					
ER-NER	1st September 2011 to 30th September 2011	00-17	400	50	350	176	174	
		23-24						
		17-23						
NER-ER	1st September 2011 to 30th September 2011	00-24	500	100	400	0	400	
S1-S2	1st September 2011 to 30th September 2011	00-24	4900	100	4800	3100	1700	
Jindal Power Ltd. (Tannar) #	1st September 2011 to 16th September 2011	00-24	750	0	750	0	750	
	17th September 2011 to 30th September 2011		900		900		900	Revised due to Commissioning of Special Protection Scheme at Jindal Power Ltd. (Tannar)
Import of Punjab	1st September 2011 to 30th September 2011	00-24	5000	300	4700	2850	1850	

# Revised

- 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>	Over loading of 400kV Bina-Nagda D/C and 400kV Khandwa-Dhule D/C
<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 220 kV Budhipadar-Tarkera High loading of 220 kV 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-Raigarh
<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* (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>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 2011 to 15th September 2011	00-17	5400	500	4900	1014	3886	
		23-24	5700		5200		4186	
	16th September 2011 to 30th September 2011	00-17	5400		4900		3886	
		23-24	5700		5200		4186	
NER	1st September 2011 to 30th September 2011	00-17	400	50	350	176	174	
		23-24				196	154	
WR								
SR	1st September 2011 to 15th September 2011	00-24	1770	0	1770	106	1664	
	16th September 2011 to 31st September 2011	00-24	1370		1370		1264	

### 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 2011 to 30th September 2011	00-24	2300	500	1800	55	1745	
NER	1st September 2011 to 30th September 2011	00-24	500	100	400	0	400	
WR								
SR	1st September 2011 to 10th September 2011	00-17	1550	0	1550	148	1402	
		23-24	1650		1650		1502	
	11th September 2011 to 31st September 2011	00-17	1550	0	1550	197	1353	
		23-24	1650		1650		1453	

## 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 (n-1) contingency of 400 kV Farakka-Kahalgaon
	<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 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)
<b>I</b>	<b>NORTHERN REGION</b>				
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
	<b>Total NR</b>	<b>34775</b>	<b>35118</b>	<b>32165</b>	<b>31150</b>
<b>II</b>	<b>EASTERN REGION</b>				
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
	<b>Total ER</b>	<b>13425</b>	<b>10452</b>	<b>16148</b>	<b>14977</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2701	2496	3056	2382
2	Madhya Pradesh	6257	4646	2108	1808
3	Maharashtra	13500	12182	9839	8490
4	Gujarat	9211	6353	9590	7407
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>32851</b>	<b>26619</b>	<b>33205</b>	<b>27808</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	10551	7475	10195	8125
2	Tamil Nadu	9899	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			6990	6674
	<b>Total SR</b>	<b>30739</b>	<b>24290</b>	<b>32651</b>	<b>24953</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>113480</b>	<b>97711</b>	<b>115825</b>	<b>100330</b>