

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

Issue Date: 30/08/2011

Issue Time: 1600 hrs

Revision No. 2

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	Revised considering change in load generation scenario in WR
	16th September 2011 to 30th September 2011		1900		1700		1700	
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	Revised considering change in load generation scenario in ER
		23-24			3500		2486	
		17-23						
WR-ER#	1st September 2011 to 30th September 2011	00-24	1200	300	900	0	900	Revised as Farakka Unit # 6 will be allowed to inject power in grid only after commissioning of Farakka-Kahalgaon second D/C Line
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 10th September 2011	00-24	670	0	670	106	564	
	11th September 2011 to 31st September 2011	00-24	106		106		0	
SR-ER	1st September 2011 to 10th September 2011	00-17	700	0	700	148	552	
		23-24			800		652	
	11th September 2011 to 31st September 2011	00-17	700	0	700	197	503	
		23-24			800		603	
ER-NER	1st September 2011 to 30th September 2011	00-17	400	50	350	176	174	
		23-24				196	154	
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. (Tamnar)	1st September 2011 to 30th September 2011	00-24	750	0	750	0	750	
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 Pondichery

## 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	Revised considering change in load generation scenario in WR and ER
		23-24	5700		5200		4186	
	16th September 2011 to 30th September 2011	00-17	5100		4600		3586	
		23-24	5400		4900		3886	
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 10th September 2011	00-24	1670	0	1670	106	1564	
	11th September 2011 to 15th September 2011	00-24	1106		1106		1000	
	16th September 2011 to 31st September 2011	00-24	906		906		800	

### 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>