

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

Issue Date:29/04/2011

Issue Time: 1700 hrs

Revision No. 1

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 June 2011 to 30th June 2011	00-24	1500	200	1300	55	1245	
WR-NR	1st June 2011 to 30th June 2011	00-24	1900	200	1700	0	1700	
NR-ER	1st June 2011 to 30th June 2011	00-24	850	200	650	0	650	
ER-NR	1st June 2011 to 30th June 2011	00-24	3500	300	3200	1027	2173	
WR-ER	1st June 2011 to 30th June 2011	00-17	600	300	300	0	300	
		23-24	700		400		400	
ER-WR	1st June 2011 to 30th June 2011	00-24	1100	300	800	451	349	
WR-SR	1st June 2011 to 30th June 2011	00-24	800	0	800	0	800	
SR-WR	1st June 2011 to 30th June 2011	00-24	850	0	850	0	850	
ER-SR#	1st June 2011 to 15th June 2011	00-05	530	100	430	115	315	Revised due to operation of HVDC Talcher Kolar at 2500 MW from 05-10, 19-24 hrs and 2200 from 00-05 hrs
		05-10	830		730		615	
		19-24	330		230		115	
	15th June 2011 to 30th June 2011	00-24	330	100	230	113	117	
SR-ER	1st June 2011 to 30th June 2011	00-24	600	100	500	197	303	
ER-NER	1st June 2011 to 30th June 2011	00-24	470	50	420	220	200	
NER-ER	1st June 2011 to 30th June 2011	00-24	400	100	300	0	300	
S1-S2^	1st June 2011 to 30th June 2011	00-24	4900	100	4800	3100	1700	
Korba (NTPC) - Lanco	1st June 2011 to 30th June 2011	00-24	2750	0	2750	1950	800	

# 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 (n-1) contingency of 400kV Bina-Gwalior one circuit leading to over loading of the other circuit of 400 kV
<b>WR-NR</b>	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-Malda
<b>WR-ER</b>	(n-1) contingency of 400 kV Farakka-Malda (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>	Link Capacity of HVDC Bhadrawati B/B (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-Malda* (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 (n-1) contingency of 400 kV Farakka-Malda*
<b>NER-ER</b>	(n-1) contingency of 400 kV Binaguri-Bongaigaon* 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 June 2011 to 30th June 2011	00-24	5300	500	4800	1027	3773	
NER	1st June 2011 to 30th June 2011	00-24	470	50	420	220	200	
WR								
SR#	1st June 2011 to 15th June 2011	00-05	1330	100	1230	115	1115	Revised due to operation of HVDC Talcher Kolar at 2500 MW from 05-10, 19-24 hrs and 2200 from 00-05 hrs
		05-10	1630		1530		1415	
		19-24	1130		1030		915	
	15th June 2011 to 30th June 2011	00-24	330	100	230	113	117	

### 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 June 2011 to 30th June 2011	00-24	2300	500	1800	55	1745	
NER	1st June 2011 to 30th June 2011	00-24	400	100	300	0	300	
WR								
SR	1st June 2011 to 30th June 2011	00-17 23-24	1450	100	1350	197	1153	

## Limiting Constraints

<b>NR</b>	<b>Import</b>	(n-1) contingency of 400 kV Farakka-Malda
	<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-Malda*
	<b>Export</b>	(n-1) contingency of 400 kV Binaguri-Bongaigaon* 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>	Link Capacity of HVDC Bhadrawati B/B 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-Malda for peak-period* (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)
<b>I</b>	<b>NORTHERN REGION</b>				
1	Punjab	6738	6088	2590	2358
2	Haryana	5128	4371	2965	2965
3	Rajasthan	6189	5951	3894	3894
4	Delhi	4193	3372	1416	1416
5	Uttar Pradesh	8934	9963	3705	3685
6	Jammu & Kashmir	1847	1807	614	595
7	Uttarakhand	1256	1091	750	849
8	Himachal Pradesh	1005	962	783	601
9	Chandigarh	270	147	0	0
10	ISGS			16195	14173
	<b>Total NR</b>	<b>35560</b>	<b>33753</b>	<b>32911</b>	<b>30535</b>
<b>II</b>	<b>EASTERN REGION</b>				
1	West Bengal	5500	4550	5000	4230
2	Jharkhand	900	650	330	300
3	Orissa	2900	1950	2160	1320
4	Bihar	1300	1100	145	145
5	Damodar Valley Corporation	2100	1750	2110	2050
6	Sikkim	60	60	0	0
7	Bhutan	125	125	240	170
8	ISGS			4991	4991
	<b>Total ER</b>	<b>12885</b>	<b>10185</b>	<b>14976</b>	<b>13206</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	2398	1700	3061	2441
2	Madhya Pradesh	5303	3975	2953	1791
3	Maharashtra*	13634	10150	11797	8281
4	Gujrat	8833	6951	8775	7068
5	Goa	388	271	0	0
6	Daman and Diu	200	170	0	0
7	Dadra and Nagar Haveli	450	350	0	0
8	ISGS			8876	8196
	<b>Total WR</b>	<b>31205</b>	<b>23566</b>	<b>35462</b>	<b>27777</b>
<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	9716	7750	7596	6956
2	Tamil Nadu	10350	8811	5116	3914
3	Karnataka	6186	5518	5927	2630
4	Kerala	2850	1760	2160	1333
5	Pondy	220	180		
6	Goa	90	60		
7	ISGS			7144	7070
	<b>Total SR</b>	<b>29412</b>	<b>24079</b>	<b>27943</b>	<b>21903</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
1	Manipur	80	65	0	0
2	Meghalaya	190	120	55	10
3	Mizoram	70	30	0	0
4	Nagaland	80	45	10	5
5	Assam	800	560	230	200
6	Tripura	120	75	90	80
7	Arunachal Pradesh	65	45	0	0
8	ISGS			765	510
	<b>Total NER</b>	<b>1405</b>	<b>940</b>	<b>1150</b>	<b>805</b>
	<b>Total All India</b>	<b>110467</b>	<b>92523</b>	<b>112442</b>	<b>94226</b>