National Load Despatch Centre
Total Transfer Capability for October 2012

Issue Date: 05/10/2012 Issue Time: 1300 hrs Revision No. 8

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 2012 to 31st October 2012	00-24	1500	200	1300	286	1014	
WR-NR	5th October 2012	00-08, 20-24	1700	200	1500	520	980	
		08-20'	1600		1400		880	
	6th October 2012 to 31st October 2012	00-24	1700	200	1500	520	980	
NR-ER	1st October 2012 to 31st October 2012	00-17, 23-24	800	200	600	0	600	
		17-23	900		700		700	
ER-NR	5th October 2012 to 19th October 2012	00-08, 19-24	4000	300	3700	1158	2542	
		08-19'	3500		3200		2042	
	20th October 2012 to 31st October 2012	00-24	4000	300	3700	1158	2542	
WR-ER	1st October 2012 to 31st October 2012	00-24	1400	300	1100	0	1100	
ER-WR	1st October 2012 to 31st October 2012	00-24	900	250	650	650	0	
WR-SR	2nd October 2012 to 10th October 2012	00-24	1000	0	1000	992	8	
	11th October 2012 to 31st October 2012	00-24	900		900	900	0	
SR-WR	1st October 2012 to 31st October 2012	00-24	1000	0	1000	0	1000	
ER-SR#	6th October 2012 to 10th October 2012	00-24	185*	0	185*	185	0*	Outage of U#1 of Talcher Stage 1 due to tube leakage
	11th October 2012 to 17th October 2012	00-05, 10-19	500	0	500	262	238	
		05-10, 19-24	500*		500*		238*	
	18th October 2012 to 31st October 2012	00-05, 10-19	500	0	500	262	238	
		05-10, 19-24	750*		750*		488*	
SR-ER	1st October 2012 to 31st October 2012	00-17 23-24	800	0	800	197	603	
		17-23	900		900		703	
ER-NER	1st October 2012 to 31st October 2012	00-17 23-24	550	35	515	161	354	
		17-23	510		475	166	309	
NER-ER	1st October 2012 to 31st October 2012	00-17 23-24	550	100	450	0	450	
		17-23	340		240		240	
S1-S2	1st October 2012 to 31st October 2012	00-24	5000	100	4900	3400	1500	
Import of Punjab	1st October 2012 to 31st October 2012	00-24	5400	300	5100	3243	1857	
Import TTC for DD&DNH	1st October 2012 to 31st October 2012	00-24	980	0	980	LTA and MTOA as per ex-pp schedule		
W3 zone export TTC#	1st October 2012 to 31st October 2012	00-24	7000	200	6800	6100	700	6100 MW corresponds to maximum effective LTA from W3. Export Margin from W3 would vary as per the maintenance schedule of generators in the zone.

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
3) W3 comprises of the following regional entities and would be operational wef 0000 hrs of 18th September 2012
a) Chattisgarh, b) Jindal Power Limited (JPL) , c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak
f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat
* additional 250 MW can be transferred to SR if injection point is South Odisha

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
WR-NR	(n-1) contingency of 400kV Bina-Gwalior
NR-ER	(n-1) contingency of 400 kV Pusauli-Biharsharif
ER-NR	(n-1) contingency of 400 kV Kahalgaon-Biharsharif
WR-ER	(n-1) contingency of 400 kV Maithon-Kahalgaon* Highloading of 220kV Korba(E)-Raigarh
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-Jamshedpur
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* (n-1) contingency of Rourkela-Talcher* Low Voltage in Chennai Area
SR-ER	(n-1) contingency of 400 kV Maithon-Kahalgaon* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	(n-1) contingency of 400 kV Binaguri-Bongaigaon* High Loading of 220 kV BTPS-Agia High Loading of 220 kV Balipara-Samaguri (n-1) contingency of 400/220 kV 315 MVA ICT at Misa*
NER-ER	(n-1) contingency of 400 kV Purnea-Muzaffarpur* High loading of 132 kV LTPS – Mariani S/C*
S1-S2	(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#	5th October 2012	00-08 20-24	5700	300	5400	1158	4242	
		08-19'	5100		4800		3642	
		19-20	5600		5300		4142	
	6th October 2012 to 19th October 2012	00-08 19-24	5700	300	5400	1158	4242	
		08-19'	5200		4900		3742	
	20th October 2012 to 30th October 2012	00-24	5700	300	5400	1158	4242	
NER	1st October 2012 to 30th October 2012	00-17 23-24	550	35	515	161	354	
		17-23	510		475	166	309	
WR								
SR#	6th October 2012 to 10th October 2012	00-24	1185*	0	1185*	1162	8*	Outage of U#1 of Talcher Stage 1 due to tube leakage
	11th October 2012 to 17th October 2012	00-05, 10-19	1400	0	1400	1162	238	
		05-10, 19-24	1400*		1400*		238*	
	18th October 2012 to 30th October 2012	00-05, 10-19	1400	0	1400	1162	238	
		05-10, 19-24	1650*		1650*		488*	

* additional 250 MW can be transferred to SR if injection point is South Odisha

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 2012 to 30th October 2012	00-24	2300	500	1800	286	1514	
NER	1st October 2012 to 30th October 2012	00-17 23-24	550	100	450	0	450	
		17-23	340		240		240	
WR								
SR	1st October 2012 to 30th October 2012	00-17 23-24	1800	0	1800	197	1603	
		17-23	1900		1900		1703	

Limiting Constraints

NR	**Import**	(n-1) contingency of 400 kV Purnea Muzaffarpur* (n-1) contingency of 400kV Bina-Gwalior
	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 (n-1) contingency of 400/220 kV 315 MVA ICT at Misa* (n-1) contingency of 400 kV Binaguri-Bongaigaon*
	Export	High loading of 132 kV LTPS – Mariani S/C* (n-1) contingency of 400 kV Purnea-Muzaffarpur*
SR	**Import**	High loading of 400 kV Raipur-Bhadravati T/C and Bhilai-Bhadrawati S/C (n-1) contingency of Rourkela-Talcher* 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 Maithon Kahalgaon (n-1) contingency of 400 kV Kadappa-Kolar and neyvelli- Sriperumbudur

ASSUMPTIONS IN BASECASE

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	**NORTHERN REGION**				
1	Punjab	7551	7100	3016	2877
2	Haryana	5901	5400	3293	3293
3	Rajasthan	6100	5900	3552	3480
4	Delhi	4565	4200	1396	1396
5	Uttar Pradesh	10050	10300	5166	4832
6	Jammu & Kashmir	1900	1802	560	609
7	Uttarakhand	1600	1230	899	906
8	Himachal Pradesh	1030	970	745	745
9	Chandigarh	282	231	0	0
10	ISGS			18226	16779
	Total NR	**38979**	**37133**	**36853**	**34918**
II	**EASTERN REGION**				
1	West Bengal	6250	4930	4617	3942
2	Jharkhand	900	700	390	390
3	Orissa	3300	2400	2707	2092
4	Bihar	1650	1300	130	130
5	Damodar Valley Corporation	2200	1900	1551	1551
6	Sikkim	60	60	0	0
7	Bhutan	110	110	1400	1400
8	ISGS			6236	6236
	Total ER	**14470**	**11400**	**17031**	**15741**
III	**WESTERN REGION**				
1	Chattisgarh	2608	1983	2147	1716
2	Madhya Pradesh	5223	4166	3238	2739
3	Maharashtra	15700	12000	12016	8352
4	Gujarat	9618	6440	11085	6815
5	Goa	300	197		
6	Daman and Diu	225	177		
7	Dadra and Nagar Haveli	439	477		
8	ISGS			11971	10595
	Total WR	**34112**	**25439**	**40457**	**30217**
IV	**SOUTHERN REGION**				
1	Andhra Pradesh	10715	9050	7729	5978
2	Tamil Nadu	10100	8700	4423	3439
3	Karnataka	7200	5700	4701	3300
4	Kerala	2950	2300	1343	896
5	Pondy	325	250	0	0
6	Goa	80	80	0	0
7	ISGS			9700	8800
	Total SR	**31370**	**26080**	**27896**	**22413**
V	**NORTH-EASTERN REGION**				
1	Manipur	115	92	0	0
2	Meghalaya	258	180	120	70
3	Mizoram	70	40	0	0
4	Nagaland	70	60	15	15
5	Assam	950	824	240	220
6	Tripura	180	100	105	100
7	Arunachal Pradesh	124	83	0	0
8	ISGS			1292	682
	Total NER	**1767**	**1379**	**1772**	**1087**
	Total All India	**120698**	**101431**	**124009**	**104376**