National Load Despatch Centre
Total Transfer Capability for July 2013

Issue Date: 04/05/2013 Issue Time: 1100 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 July 2013 to 31st July 2013	00-24	1700	200	1500	286	1214	
WR-NR#	1st July 2013 to 31st July 2013	00-24	2000*	200	1800	1300	500	
NR-ER	1st July 2013 to 31st July 2013	00-17 23-24	1000	200	800	0	800	
		17-23	1100		900		900	
ER-NR	1st July 2013 to 31st July 2013	00-17 23-24	4000	300	3700	2189	1511	
		17-23					1511	
W3-ER#	1st July 2013 to 31st July 2013	00-24	1650	300	1350	0	1350	
ER-W3	1st July 2013 to 31st July 2013	00-24	1000	300	700	700	0	
WR-SR	1st July 2013 to 31st July 2013	00-24	1000	0	1000	1000	0	
SR-WR	1st July 2013 to 31st July 2013	00-24	1000	0	1000	0	1000	
ER-SR#	1st July 2013 to 31st July 2013	00-05 10-19	950	0	950	612	338	Revised due to change in LTA/MTOA quantum.
		05-10 19-24	950		950		338	
SR-ER	1st July 2013 to 31st July 2013	00-17 23-24	700	0	700	197	503	
		17-23	700		700		503	
ER-NER	1st July 2013 to 31st July 2013	00-17 23-24	590	35	555	230	325	
		17-23	510		475		245	
NER-ER	1st July 2013 to 31st July 2013	00-17 23-24	570	100	470	0	470	
		17-23	355		255		255	
S1-S2	1st July 2013 to 31st July 2013	00-24	5800	200	5600	5200	400	
Import of Punjab#	1st July 2013 to 31st July 2013	00-24	5600	300	5300	3350	1950	
Import TTC for DD & DNH	1st July 2013 to 31st July 2013	00-24	980	0	980	LTA and MTOA as per ex-pp schedule		
W3 zone Injection#	1st July 2013 to 31st July 2013	00-17, 23-24	9000	200	8800	7630	1170	7630 MW corresponds to maximum effective LTA/ MTOA from W3. Export Margin from W3 would vary as per the maintenance schedule of generators in the zone
		17-23	9500		9300		1670	

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 :
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
* Would be reviewed after completion of augmentation works at 765 kV Agra

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
WR-NR	(n-1) contingency of 765/400 kV ICT at Agra
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	(n-1) contingency of 400 kV Purnea-Muzaffarpur
W3-ER	(n-1) contingency of either 400 kv Mejia-Maithon or (n-1) contingency of 400 kv MPL -maithon
ER-W3	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
WR-SR	Bhadrawati HVDC B/B link capacity (n-1) Coningency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala line
SR-WR	Bhadrawati HVDC B/B link capacity
ER-SR	(n-1) contingency of 400 kV Vijaywada-Nellore Low Voltage in Chennai Area (n-1) contingency of 400 kV Rourkela-Talcher*
SR-ER	(n-1) contingency of 400 kV Farakka-Malda* (n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NER	(n-1) contingency of 400/220 kV,315 MVA ICT at Misa* (n-1) contingency of 400 kV Binaguri-Bongaigaon
NER-ER	(n-1) contingency of 400/220 kV,315 MVA ICT at Misa* (n-1) contingency of 400 kV Purnea-Muzaffarpur
S1-S2	(n-1) contingency of 400 kV Kolar-Hosur D/C line, 400kV Hosur-Salem S/C and 400kV Somanahalli-Salem S/C line.
Import of Punjab	(n-1) contingency of ICT at Moga
W3 zone Injection	(n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section

*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 July 2013 to 31st July 2013	00-17 23-24	6000*	500	5500	3489	2011	
		17-23			5500		2011	
NER	1st July 2013 to 31st July 2013	00-17 23-24	590	35	555	230	325	
		17-23	510		475		245	
WR								
SR#	1st July 2013 to 31st July 2013	00-05 10-19	1950	0	1950	1612	338	Revised due to change in LTA/MTOA quantum.
		05-10 19-24	1950		1950		338	

* Would be reviewed after completion of augmentation works at 765 kV Agra

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
NR	1st July 2013 to 31st July 2013	00-17 23-24	2700	200	2500	286	2214	
		17-23	2800		2600		2314	
NER	1st July 2013 to 31st July 2013	00-17 23-24	520	100	420	0	420	
		17-23	320		220		220	
WR								
SR	1st July 2013 to 31st July 20133	00-17 23-24	1700	0	1700	197	1503	
		17-23	1700		1700		1503	

Limiting Constraints

NR	**Import**	(n-1) contingency of 400 kV Purnea-Muzaffarpur* (n-1) contingency of 765/400 kV ICT at Agra
	Export	(n-1) contingency of 400kV Bina(PG)-Bina(MP) (n-1) contingency of 400 kV Allahabad-Pusauli
NER	**Import**	(n-1) contingency of 400/220 kV,315 MVA ICT at Misa* (n-1) contingency of 400 kV Binaguri-Bongaigaon
	Export	(n-1) contingency of 400/220 kV,315 MVA ICT at Misa* (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 400 kV Rourkela-Talcher* Low Voltage in Chennai Area (n-1) contingency of 400 kV Vijaywada-Nellore
	Export	(n-1) contingency of 400 kV Farakka-Malda* (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	5637	5311	2111	2126
2	Haryana	5363	5014	3289	3289
3	Rajasthan	6574	5912	3466	3472
4	Delhi	4605	3932	1416	1416
5	Uttar Pradesh	10824	10831	6163	5976
6	Jammu & Kashmir	1825	1671	604	592
7	Uttarakhand	1476	1081	757	673
8	Himachal Pradesh	1043	943	590	493
9	Chandigarh	227	192	0	0
10	ISGS			16916	14627
	Total NR	**37574**	**34888**	**35312**	**32663**
II	EASTERN REGION				
1	West Bengal	6500	4516	4738	4024
2	Jharkhand	1100	750	603	354
3	Orissa	3400	2760	2611	2266
4	Bihar	1800	1400	0	0
5	Damodar Valley Corporation	2309	2209	3404	3404
6	Sikkim	40	40	0	0
7	Bhutan	111	111	1326	1326
8	ISGS			5971	5971
	Total ER	**15260**	**11786**	**18653**	**17345**
III	WESTERN REGION				
1	Chattisgarh	2977	2132	2518	1985
2	Madhya Pradesh	7112	4894	3601	2802
3	Maharashtra	15798	12916	13113	9454
4	Gujarat	10470	8369	10918	7764
5	Goa	327	198		
6	Daman and Diu	260	181		
7	Dadra and Nagar Haveli	612	479		
8	ISGS			13063	11996
	Total WR	**37556**	**29169**	**43213**	**34001**
IV	SOUTHERN REGION				
1	Andhra Pradesh	9995	9192	6432	5882
2	Tamil Nadu	11922	9480	7337	5117
3	Karnataka	7600	6042	4850	3856
4	Kerala	3363	2500	2116	1320
5	Pondy	310	250		
6	Goa	84	84		
7	ISGS			10549	9990
	Total SR	**33274**	**27548**	**31284**	**26165**
V	NORTH-EASTERN REGION				
1	Manipur	103	88	0	0
2	Meghalaya	280	195	162	76
3	Mizoram	67	57	6	6
4	Nagaland	92	84	10	10
5	Assam	808	670	231	231
6	Tripura	190	145	10	63
7	Arunachal Pradesh	100	78	0	0
8	ISGS	0	0	927	829
	Total NER	**1640**	**1317**	**1346**	**1215**
	Total All India	**125305**	**104708**	**129808**	**111389**