National Load Despatch Centre
Total Transfer Capability for May 2013

Issue Date: 28/01/2013 Issue Time: 1800 hrs Revision No. 0

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 May 2013 to 31st May 2013	00-24	1500	200	1300	286	1014	
WR-NR	1st May 2013 to 31st May 2013	00-24	1700	200	1500	1040	460	
NR-ER	1st May 2013 to 31st May 2013	00-17 23-24	800	200	600	0	600	
		17-23	900		700		700	
ER-NR	1st May 2013 to 31st May 2013	00-17 23-24	2600	300	2300	1913	387	
		17-23				1913	387	
W3-ER	1st May 2013 to 31st May 2013	00-24	1400	300	1100	0	1100	
ER-W3	1st May 2013 to 31st May 2013	00-24	1000	300	700	700	0	
WR-SR	1st May 2013 to 31st May 2013	00-24	1000	0	1000	992	8	
SR-WR	1st May 2013 to 31st May 2013	00-24	1000	0	1000	0	1000	
ER-SR	1st May 2013 to 31st May 2013	00-05 10-19	700	0	700	170	530	
		05-10 19-24	700		700		530	
SR-ER	1st May 2013 to 31st May 2013	00-17 23-24	700	0	700	197	503	
		17-23	700		700		503	
ER-NER	1st May 2013 to 31st May 2013	00-17 23-24	400	35	365	230	135	
		17-23	400		365	230	135	
NER-ER	1st May 2013 to 31st May 2013	00-17 23-24	520	100	420	0	420	
		17-23	320		220		220	
S1-S2	1st May 2013 to 31st May 2013	00-24	5800	200	5600	4500	1100	
Import of Punjab	1st May 2013 to 31st May 2013	00-24	5400	300	5100	3243	1857	
Import TTC for DD & DNH	1st May 2013 to 31st May 2013	00-24	980	0	980	LTA and MTOA as per ex-pp schedule		
W3 zone Injection#	1st May 2013 to 31st May 2013	00-17, 23-24	8000	200	7800	6870	930	6870 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	8500		8300		1430	

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
^ Sterlite considered in WR in bid area W3 for which separate export TTC is indicated.

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
WR-NR	(n-1) contingency of 400 kV Bina-Gwalior
NR-ER	(n-1) contingency of 400 kV Pusauli-Biharsharif
ER-NR	(n-1) contingency of 400 kV Farakka-Malda
W3-ER	Highloading of 220kV Korba(E)-Raigarh
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 kV Farakka-Malda* High Loading of 220 kV BTPS-Agia (n-1) contingency of 400 kV Balipara – Bongaigaon-I D/C
NER-ER	(n-1) contingency of 400 kV Balipara-Bongaigaon-I (n-1) contingency of 220 kV Samaguri – Saruajai I*
S1-S2	(n-1) contingency of 400 kV Hosur-Salem D/C line, 400kV Hosur-Salem & 400kV Somanahalli-Salem SC line.
Import of Punjab	(n-1) contingency of ICT at Moga
W3 zone Injection	High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni

*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 May 2013 to 31st May 2013	00-17 23-24	4300	500	3800	2953	847	
		17-23			3800		847	
NER	1st May 2013 to 31st May 2013	00-17 23-24	400	35	365	230	135	
		17-23	400		365	230	135	
WR								
SR	1st May 2013 to 31st May 2013	00-05 10-19	1700	0	1700	1162	538	
		05-10 19-24	1700		1700		538	

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 + ER-NER	1st May 2013 to 31st May 2013	00-17 23-24	2900	350	2550	2143	407	
		17-23	2900		2550		407	
NR	1st May 2013 to 31st May 2013	00-17 23-24	2300	200	2100	286	1814	
		17-23	2400		2200		1914	
NER	1st May 2013 to 31st May 2013	00-17 23-24	520	100	420	0	420	
		17-23	320		220		220	
WR								
SR	1st May 2013 to 31st May 2013	00-17 23-24	1700	0	1700	197	1503	
		17-23	1700		1700		1503	

Limiting Constraints

NR	**Import**	(n-1) contingency of 400 kV Farakka-Malda*
		(n-1) contingency of 400 kV Bina-Gwalior*
	Export	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
		(n-1) contingency of 400 kV Pusauli-Biharsharif
NER	**Import**	High Loading of 220 kV BTPS-Agia
		(n-1) contingency of 400 kV Balipara – Bongaigaon-I
		(n-1) contingency of 400 kV Farakka-Malda*
	Export	(n-1) contingency of 220 kV Samaguri – Saruajai I*
		(n-1) contingency of 400 kV Balipara-Bongaigaon-I
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 Maithon-Kahalgaon
		(n-1) contingency of 400 kV Kadappa-Kolar and Neyvelli- Sriperumbudur
ER-NR + ER-NER	**Export**	(n-1) contingency of 400 kV Farakka-Malda

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	6658	5280	4836	3678
2	Jharkhand	1035	715	483	541
3	Orissa	3597	2530	2451	1611
4	Bihar	1743	1430	101	101
5	Damodar Valley Corporation	2461	2310	2954	2954
6	Sikkim	45	45	0	0
7	Bhutan	112	112	275	260
8	ISGS			7384	5854
	Total ER	**15651**	**12422**	**18484**	**14999**
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	10283	9413	7290	6560
2	Tamil Nadu	10813	9100	6050	5408
3	Karnataka	8503	7453	4779	4233
4	Kerala	3254	2414	2007	794
5	Pondy	313	241		
6	Goa	84	84		
7	ISGS			10846	10049
	Total SR	**33250**	**28705**	**30972**	**27044**
V	**NORTH-EASTERN REGION**				
1	Manipur	110	203	0	0
2	Meghalaya	290	53	95	80
3	Mizoram	75	84	4	0
4	Nagaland	120	168	8	6
5	Assam	1320	880	190	180
6	Tripura	240	1537	85	85
7	Arunachal Pradesh	110	924	0	0
8	ISGS	0	0	1013	577
	Total NER	**2265**	**3848**	**1395**	**928**
	Total All India	**126297**	**109032**	**129376**	**109635**