National Load Despatch Centre
Total Transfer Capability for March 2013

Issue Date: 15/02/2013 Issue Time: 1030 hrs Revision No. 4

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 March 2013 to 31st March 2013	00-24	1500	200	1300	286	1014	
WR-NR#	1st March 2013 to 31st March 2013	00-24	2000	200	1800	1040	760	Review and dynamic studies carried out to reassess transfer capability
NR-ER	1st March 2013 to 31st March 2013	00-17 23-24	800	200	600	0	600	
		17-23	900		700		700	
ER-NR	1st March 2013 to 31st March 2013	00-17 23-24	2500	300	2200	1912	288	
		17-23				1912	288	
W3-ER	1st March 2013 to 31st March 2013	00-24	1400	300	1100	0	1100	
ER-W3	1st March 2013 to 31st March 2013	00-24	1000	300	700	650	50	
WR-SR	1st March 2013 to 31st March 2013	00-24	1000	0	1000	992	8	
SR-WR	1st March 2013 to 31st March 2013	00-24	1000	0	1000	0	1000	
ER-SR	1st March 2013 to 31st March 2013	00-05 10-19	700	0	700	170	530	
		05-10 19-24	700		700		530	
SR-ER	1st March 2013 to 31st March 2013	00-17 23-24	700	0	700	197	503	
		17-23	700		700		503	
ER-NER	1st March 2013 to 31st March 2013	00-17 23-24	400	35	365	228	137	
		17-23	400		365	228	137	
NER-ER	1st March 2013 to 31st March 2013	00-17 23-24	510	100	410	0	410	
		17-23	280		180		180	
S1-S2	1st March 2013 to 31st March 2013	00-24	5800	200	5600	4400	1200	
Import of Punjab	1st March 2013 to 31st March 2013	00-24	5400	300	5100	3243	1857	
Import TTC for DD & DNH	1st March 2013 to 31st March 2013	00-24	980	0	980	LTA and MTOA as per ex-pp schedule		
W3 zone Injection	1st March 2013 to 31st March 2013	00-17, 23-24	8000	200	7800	6413	1387	6413 MW corresponds to maximum effective LTA from W3. Export Margin from W3 would vary as per the maintenance schedule of generators in the zone.
		17-23	8500		8300		1887	

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

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Bina(PG)-Bina(MP)
WR-NR	(n-1) contingency of 400 kV Bina-Satna leading to high loading of 765/ 400 kV Bina transformer
NR-ER	(n-1) contingency of 400 kV Pusauli-Biharsharif
ER-NR	(n-1) contingency of 400 kV Farakka-Malda
WR-ER	(n-1) contingency of 400 kV Sterlite-Rourkela
ER-WR	High loading of 400 kV Raipur-Wardha, Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni* (n-1) contingency of 400kV Rourkela-Raigarh
WR-SR **SR-WR**	Bhadrawati HVDC B/B link capacity 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
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
Import of Punjab	(n-1) contingency of ICT at Moga
W3 zone export TTC	(n-1) contingency of 400 kV Raipur-Wardha and High loading of 400 kV Bhilai-Koradi

*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 March 2013 to 31st March 2013	00-17 23-24	4500	500	4000	2952	1048	Review and dynamic studies carried out to reassess transfer capability
		17-23			4000	2952	1048	
NER	1st March 2013 to 31st March 2013	00-17 23-24	400	35	365	228	137	
		17-23	400		365	228	137	
WR								
SR	1st March 2013 to 31st March 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 March 2013 to 31st March 2013	00-17 23-24	2700	350	2350	2132	218	
		17-23	2700		2350	2132	218	
NR	1st March 2013 to 31st March 2013	00-17 23-24	2300	200	2100	286	1814	
		17-23	2400		2200		1914	
NER	1st March 2013 to 31st March 2013	00-17 23-24	510	100	410	0	410	
		17-23	280		180		180	
WR								
SR	1st March 2013 to 31st March 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-Satna leading to high loading of 765/ 400 kV Bina transformers*
	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**	(n-1) Coningency of 400kV Gooty-Somanhalli & 400kV Gooty-Nelamangala line
		(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	5678	4250	2437	2318
2	Haryana	5592	4591	3623	3623
3	Rajasthan	7243	6793	4084	4089
4	Delhi	4090	3299	1206	1206
5	Uttar Pradesh	10774	9516	6020	5839
6	Jammu & Kashmir	1800	1359	333	339
7	Uttarakhand	1365	1100	523	302
8	Himachal Pradesh	1043	959	218	131
9	Chandigarh	188	86	0	0
10	ISGS			16384	11062
	Total NR	**37773**	**31952**	**34828**	**28910**
II	EASTERN REGION				
1	West Bengal	6457	5456	4744	4088
2	Jharkhand	964	650	354	354
3	Orissa	3009	2300	1710	1611
4	Bihar	1805	1450	101	101
5	Damodar Valley Corporation	2303	2000	2954	2954
6	Sikkim	44	44	0	0
7	Bhutan	112	112	245	245
8	ISGS			6505	5995
	Total ER	**14694**	**12012**	**16613**	**15348**
III	WESTERN REGION				
1	Chattisgarh	3153	2242	2518	2025
2	Madhya Pradesh	7200	5146	3443	2802
3	Maharashtra	15717	13582	13113	9454
4	Gujarat	10497	8800	9933	7564
5	Goa	420	280		
6	Daman and Diu	252	190		
7	Dadra and Nagar Haveli	602	504		
8	ISGS			11920	11796
	Total WR	**37841**	**30744**	**40927**	**33641**
IV	SOUTHERN REGION				
1	Andhra Pradesh	10835	9993	8217	6817
2	Tamil Nadu	10456	8310	5148	4619
3	Karnataka	8521	7469	5482	4397
4	Kerala	3314	2209	2248	645
5	Pondy	320	231		
6	Goa	84	84		
7	ISGS			10955	10772
	Total SR	**33530**	**28296**	**32050**	**27250**
V	NORTH-EASTERN REGION				
1	Manipur	100	70	0	0
2	Meghalaya	280	196	99	71
3	Mizoram	70	49	4	3
4	Nagaland	110	77	11	10
5	Assam	1230	840	222	203
6	Tripura	221	155	94	91
7	Arunachal Pradesh	105	74	0	0
8	ISGS	0	0	934	499
	Total NER	**2116**	**1461**	**1364**	**877**
	Total All India	**125954**	**104465**	**125782**	**106026**