

**National Load Despatch Centre  
Total Transfer Capability for May 2014**

Issue Date: 25/05/2014

Issue Time: 2230 hrs

Revision No. 25

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)	Changes in TTC w.r.t. Last Revision	Comments
<b>NR-WR *</b>	1st May 2014 to 31st May 2014	00-24	2500	500	2000	297	1703		
<b>WR-NR</b>	1st May 2014 to 3rd May 2014	00-17	4200	500	3700	3992	0		
		23-24							
	4th May 2014	17-23	4200	500	3700	3992	0		
		00-09	4200						
	5th May 2014	09-24	3800	500	3300	3992	0		
		00-05	4200						
	6th May 2014	05-24	4200	500	3700	3992	0		
		00-05	4200						
	7th May 2014	05-24	3800	500	3300	3992	0		
		00-05	4200						
	8th May 2014	05-24	3800	500	3300	3992	0		
		00-05	4200						
	9th May 2014	05-24	4200	500	3700	3992	0		
		00-05	4200						
	10th May 2014	05-24'	3900	500	3400	3992	0		
		00-05	4200						
	11th May 2014	05-24'	3900	500	3400	3992	0		
		00-05	4200						
	12th May 2014 to 15th May 2014	00-17	4200	500	3700	3992	0		
		23-24							
	16th May 2014	17-23	4200	500	3700	3992	0		
		00-08	4200						
	17th May 2014 to 18th May 2014	08-24'	3950	500	3450	3992	0		
		00-17	3950						
	19th May 2014	23-24	3950	500	3450	3992	0		
		17-23	3950						
	20th May 2014 to 21st May 2014	00-08	4200	500	3700	3992	0		
		08-24'	3950						
22nd May 2014 to 31st May 2014	00-17	4200	500	3700	3992	0			
	23-24								
<b>NR-ER*</b>	1st May 2014 to 31st May 2014	00-06	1000	200	800	293	507		
		06-17'			800	423	377		
		17-18'	1100		900	423	477		
		18-23			900	293	607		
		23-24	1000		800	293	507		

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ER-NR <sup>s</sup>	1st May 2014	00-17	3800	300	3500	2431	1069		
		23-24					1069		
	2nd May 2014	00-07	3800	300	3500	2431	1069		
		07-24	3500		3200		769		
	3rd May 2014 to 20th May 2014	00-17	3800	300	3500	2431	1069		
		23-24					1069		
	21st May 2014	00-08	3800	300	3500	2431	1069		
		08-24	3500		3200		769		
	22nd May 2014 to 24th May 2014	00-17	3800	300	3500	2431	1069		
		23-24					1069		
	25th May 2014	00-07	3800	300	3500	2431	1069		
		07-24'	3000		2700		269		
	26th May 2014	00-07	2300	300	2000	2431	0	-1500	Revised considering Present Inter-Regional flow pattern and shutdown of 400kV Kahalgaon-Barh ckt-1
07-24'		2300	2000		0		-700		
27th May 2014 to 31st May 2014	00-17	2300	300	2000	2431	0	-700	Revised considering Present Inter-Regional flow pattern and shutdown of 400kV Kahalgaon-Barh ckt-2	
	23-24					0			
		17-23							
W3-ER	1st May 2014	00-07	1800	300	1500	551	949		
		07-24	1500	300	1200	551	649		
	2nd May 2014	00-07	1800	300	1500	551	949		
07-24		1800	300	1500	551	949			
W3-ER	3rd May 2014 to 4th May 2014	00-07	1800	300	1500	551	949		
		07-24	1500	300	1200	551	649		
	5th May 2014 to 7th May 2014	00-24	1800	300	1500	551	949		
	8th May 2014	00-08	1800	300	1500	551	949		
		08-24'	1400		1100		549		
	9th May 2014 to 10th May 2014	00-24	1800	300	1500	551	949		
	11th May 2014	00-08	1800	300	1500	551	949		
		08-24'	1400		1100		549		
	12th May 2014 to 24th May 2014	00-24	1800	300	1500	551	949		
	25th May 2014	00-07	1800	300	1500	551	949		
		07-24'	1700		1400		849		
26th May 2014	00-24	1700	300	1400	551	849			
27th May 2014 - 31st May 2014	00-24	1800	300	1500	551	949			
ER-W3	1st May 2014 to 31st May 2014	00-24	1000	300	700	874	0		

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<b>WR-SR</b>	1st May 2014 to 31st May 2014	00-24	1000	0	1000	1000	0					
<b>SR-WR *</b>	1st May 2014 to 31st May 2014	00-24	1000	0	1000	0	1000					
<b>ER-SR</b>	1st May 2014 to 2nd May 2014	00-06 18-24	750	0	750	593	157					
		06-18'				638	112					
	3rd May 2014	00-06 18-24	750	0	750	593	157					
		06-17'				450	0					
		17-18'				750	638			112		
	4th May 2014 to 05th May 2014	00-06 18-24	750	0	750	593	157					
		06-18'				638	112					
	<b>ER-SR</b> (Refer to Explanatory Notes to the change in representation given in the last Page)	06th May 2014	00-06	750	0	750	593	157				
06-07'			750	750		638	112					
07-18'			450	450		638	0					
18-24			450	450		593	0					
07th May 2014 to 16th May 2014		00-06 18-24	750	0	750	593	157					
		06-18'				638	112					
17th May 2014 to 20th May 2014		00-06 18-24	2650	0	2650	2366	284					
		06-18'				2411	239					
21st May 2014		00-06 18-24	2650	0	2650	2366	284					
		06-07 15-18				2650	2411			239		
		07-15				2350	2350			2411	0	
22nd May 2014 to 31st May 2014		00-06 18-24	2650	0	2650	2366	284					
	06-18'	2411				239						
<b>SR-ER *</b>	1st May 2014 to 31st May 2014	00-17 23-24	1100	0	1100	197	903					
		17-23					1100			903		
<b>ER-NER</b>	1st May 2014 to 7th May 2014	00-06 23-24	720	50	670	205	465					
		06-17'					720			670	210	460
		17-18'					640			590	210	380
		18-23					640			590	205	385

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ER-NER	8th May 2014 to 9th May 2014	00-06 23-24	720	50	670	205	465		
		06-10'	720		670	210	460		
		10-17'	570		520	210	310		
		17-18	640		590	210	380		
		18-23	640		590	205	385		
	10th May 2014 to 12th May 2014	00-06 23-24	720	50	670	205	465		
		06-17'	720		670	210	460		
		17-18	640		590	210	380		
		18-23	640		590	205	385		
	13th May 2014 to 15th May 2014	00-06 23-24	720	50	670	205	465		
		06-07'	720		670	210	460		
		07-17'	650		600	210	390		
		17-18	640		590	210	380		
		18-23	640		590	205	385		
	16th May 2014 to 24th May 2014	00-06 23-24	720	50	670	205	465		
		06-17'	720		670	210	460		
		17-18	640		590	210	380		
		18-23	640		590	205	385		
	25th May 2014	00-06 23-24	550	50	500	205	295		
		06-17'	550		500	210	290		
		17-18	550		500	210	290		
		18-23	550		500	205	295		
	26th May 2014 to 31st May 2014	00-06 23-24	620	50	570	205	365	70	Revised considering Present Inter-Regional flow pattern.
		06-17'	620		570	210	360		
17-18		620	570		210	360			
18-23		620	570		205	365			
NER-ER	1st May 2014 to 7th May 2014	00-17 23-24	530	100	430	0	430		
		17-23	550		450	450			
	8th May 2014 to 9th May 2014	00-10 23-24	530	100	430	0	430		
		10-17'	250		150	150			
		17-23	550		450	450			
	10th May 2014 to 12th May 2014	00-17 23-24	530	100	430	0	430		
		17-23	550		450	450			
	13th May 2014 to 15th May 2014	00-07 23-24	530	100	430	0	430		
		07-17'	440		340	340			
		17-23	550		450	450			
	16th May 2014 to 20th May 2014	00-17 23-24	530	100	430	0	430		
		17-23	550		450	450			
	21st May 2014	00-07 16-17 23-24	530	100	430	0	430		
		07-16'	350		250	250			
		17-23	550		450	450			

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NER-ER	22nd May 2014	00-17 23-24	530	100	430	0	430			
		17-23	550		450		450			
	23rd May 2014	00-07 16-17 23-24	530	100	430	0	430			
		07-16'	350		250		250			
		17-23	550		450		450			
	24th May 2014 to 31st May 2014	00-17 23-24	530	100	430	0	430			
		17-23	550		450		450			
	S1-S2 (Refer to explanatory notes regarding the change in TTC representation given in the last page)	1st May 2014 to 05th May 2014	00-24	5650	400	5250	5150	100		
06th May 2014 to 07th May 2014		00-07	5650	400	5250	5150	100			
		07-24'	5100	400	4700	5150	0			
08th May 2014 to 09th May 2014		00-24	5650	400	5250	5150	100			
10th May 2014		00-0730 19-24	5650	400	5250	5150	100			
		0730-19	5150		4750		0			
11th May 2014		00-06 19-24	5650	400	5250	5150	100			
		06-19'	5100		4700		0			
12th May 2014		00-09 14-24	5650	400	5250	5150	100			
		09-14'	5100		4700		0			
13th May 2014		00-24	5650	400	5250	5150	100			
14th May 2014		00-24	5650	400	5250	5000	250			
15th May 2014 to 21st May 2014		00-24	2500	280	2220	2413	0			
22nd May 2014		00-09 16-24	2500	280	2220	2413	0			
	09-16'	2400	2120		2413		0			
23rd May 2014 to 24th May 2014	00-24	2500	280	2220	2413	0				
25th May 2014 to 31st May 2014	00-24	2780	280	2500	2413	87				
Import of Punjab	1st May 2014 to 10th May 2014	00-24	5600	300	5300	3800	1500			
	11th May 2014 to 31st May 2014	00-24	5700	300	5400	3790	1610			
Import TTC for DD & DNH	1st May 2014 to 31st May 2014	00-24	980	0	980	LTA and MTOA as per ex-pp schedule				
W3 zone Injection	1st May 2014	00-07	9000	200	8800	6901	1899			
		07-17 23-24	8500		8300		1399			
		17-23	9000		8800		1899			
	2nd May 2014	00-17 23-24	9000	200	8800	6901	1899			
		17-23	9500		9300		2399			

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W3 zone Injection	3rd May 2014	00-08	9000	200	8800	6901	1899		
		08'-17	8600		8400		1499		
		23-24	9100		8900		1999		
		17-23	9000		8800		1899		
	4th May 2014	00-07'	9000	200	8800	6901	1899		
		17-23	9000		8800		1899		
		07'-17	8500		8300		1399		
		23-24	9000		8800		1899		
	5th May 2014 to 31st May 2014	00-17	9000	200	8800	6901	1899		
		23-24	9500		9300		2399		
		17-23	9500		9300		2399		

\* Fifty Percent (50 % ) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

\$ As per Simulations, predominant direction of flow is on West to North Corridor. Hence, in case injection point is in Western Region (W1,W2,W3), STOA/PX transactions from West to North on West-East-North corridor shall not be allowed as such transaction increases congestion in the West to North Corridor.

- 1) S1 comprises of AP and Karnataka; S2 comprises of Tamil Nadu, Kerala and Pondicherry
- 2) W3 comprises of the following regional entities :
  - a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, 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, k) KSK Mahanadi, L)JDB Power, m) KWPCCL, n)Vandana Vidyut

# The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned the LTA/MTOA utilized would be vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.

In case of TTC Revision due to any shutdown :

- 1) The TTC value will be revised to normal values after restoration of shutdown.
- 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.

**Limiting Constraints**

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
WR-NR	High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and high loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda.
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	(n-1) contingency of 400 kV Farakka-Malda D/C
W3-ER	(n-1) contingency of 400kV Sterilte-Rourkela S/C
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 Raigarh-Sterlite
WR-SR & ER-SR	1. Commissioning of 765kV Raichur-Sholapur S/C 2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO) 3. ER-SR TTC has been declared assuming more than 1100 MW generation at Talcher Stage-2. In case Talcher Stage-2 generation goes below 1100 MW, then the ER-SR TTC would be revised downward as constraints within ER would emerge.
SR-WR	Bhadrawati HVDC B/B link capacity
SR-ER	
ER-NER	(n-1) contingency of 400 kV Farakka-Malda D/C and (n-1) contingency of one circuit of 400 kV Balipara – Bongaigaon D/C
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
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 Dhuri and (n-1) contingency of 220kV Moga(PG)-Moga(PSTCL)
W3 zone Injection	(n-1) contingency of 400 kV Raipur-Wardha-Parli Section

\*Primary constraints

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<b>ER</b>									
<b>NR</b>	1st May 2014	00-17 23-24	8000	800	7200	6423	777		
		17-23	8000		7200		777		
	2nd May 2014	00-07'	8000	800	7200	6423	777		
		07'-24	7700		6900		477		
	3rd May 2014	00-17 23-24	8000	800	7200	6423	777		
		17-23	8000		7200		777		
	4th May 2014	00-09	8000	800	7200	6423	777		
		09'-24	7600		6800		377		
	5th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	8000		7200		777		
	6th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	7600		6800		377		
	7th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	7600		6800		377		
	8th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	8000		7200		777		
	09th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	8000		7200		777		
	10th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	7700		6900		477		
	11th May 2014	00-05	8000	800	7200	6423	777		
		05'-24	7700		6900		477		
	12th May 2014 to 15th May 2014	00-17 23-24	8000	800	7200	6423	777		
		17-23	8000		7200		777		
	16th May 2014	00-08'	8000	800	7200	6423	777		
		08-24'	7750		6950		527		
	17th May 2014 to 18th May 2014	00-17 23-24	7750	800	6950	6423	527		
		17-23	7750		6950		527		
	19th May 2014	00-08'	8000	800	7200	6423	777		
		08-24'	7750		6950		527		
	20th May 2014	00-17 23-24	7750	800	6950	6423	527		
		17-23	7750		6950		527		
	21st May 2014	00-08	7750	800	6950	6423	527		
		08-24'	7450		6650		227		
	22nd May 2014 to 24th May 2014	00-17 23-24	8000	800	7200	6423	777		
		17-23	8000		7200		777		
	25th May 2014	00-07	8000	800	7200	6423	777		
		07-24'	7200		6400		0		

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NR	26th May 2014	00-07	6500	800	5700	6423	0		Revised considering Present Inter-Regional flow pattern and shutdown of 400kV Kahalgaon-Barh ckt-1
		07-24'	6500		5700		0		Revised considering Present Inter-Regional flow pattern and shutdown of 400kV Kahalgaon-Barh ckt-2
	27th May 2014 to 31st May 2014	00-17	6500	800	5700	6423	0		Revised considering Present Inter-Regional flow pattern and shutdown of 400kV Kahalgaon-Barh ckt-2
		17-23	6500		5700		0		
NER	1st May 2014 to 7th May 2014	00-06	720	50	670	205	465		
		23-24	720		670	210	460		
		06-17'	720		590	210	380		
		17-18	640		590	205	385		
	8th May 2014 to 9th May 2014	00-06	720	50	670	205	465		
		23-24	720		670	210	460		
		06-10'	720		520	210	310		
		10-17'	570		590	210	380		
	10th May 2014 to 12th May 2014	17-18	640	50	590	205	385		
		18-23	640		670	210	460		
		00-06	720		670	205	465		
		23-24	720		670	210	460		
NER	13th May 2014 to 15th May 2014	06-17'	720	50	670	210	460		
		00-06	720		600	210	390		
		23-24	720		590	210	380		
		06-07'	720		590	205	385		
	16th May 2014 to 24th May 2014	17-18	640	50	590	205	385		
		18-23	640		670	210	460		
		00-06	720		670	205	465		
		23-24	720		670	210	460		
	25th May 2014	06-17'	550	50	500	210	290		
		17-18	550		500	210	290		
		18-23	550		500	205	295		
		00-06	550		500	205	295		
26th May 2014 to 31st May 2014	06-17'	620	50	570	210	360		Revised considering Present Inter-Regional flow pattern.	
	17-18	620		570	210	360			
	18-23	620		570	205	365			
	00-06	620		570	205	365			
WR									
SR	1st May 2014 to 2nd May 2014	00-06	1750	0	1750	1593	157		
		18-24	1750		1750	1638	112		
		06-18'	1750		1750	1638	112		
	3rd May 2014	00-06	1750	0	1750	1593	157		
		18-24	1750		1450	1638	0		
		06-17'	1450		1750	1638	112		
	4th May 2014 to 5th May 2014	17-18	1750	0	1750	1593	157		
		00-06	1750		1750	1638	112		
6th May 2014	06-18'	1750	0	1750	1593	157			
	00-06	1750		1750	1638	112			
	06-07'	1750		1750	1638	112			
	07-18'	1450		1450	1638	0			
		18-24'	1450		1450	1593	0		



**Simultaneous Import Capability**

<b>Corridor</b>	<b>Date</b>	<b>Time Period (hrs)</b>	<b>Total Transfer Capability (TTC)</b>	<b>Reliability Margin</b>	<b>Available Transfer Capability (ATC)</b>	<b>Long Term Access (LTA)/ Medium Term Open Access (MTOA)</b>	<b>Margin Available for Short Term Open Access (STOA)</b>	<b>Changes in TTC w.r.t. Last Revision</b>	<b>Comments</b>
<b>SR</b>	7th May 2014 to 15th May 2014	00-06 18-24	1750	0	1750	1593	157		
		06-18'	1750		1750	1638	112		
	16th May 2014 to 31st May 2014	00-06 18-24	3650	0	3650	3366	284		
		06-18'	3650		3650	3411	239		
	21st May 2014	00-06 18-24	3650	0	3650	3366	284		
		06'-07 15-18	3650		3650	3411	239		
		07-15	3350		3350	3411	0		
	22nd May 2014 to 31st May 2014	00-06 18-24	3650	0	3650	3366	284		
		06-18'	3650		3650	3411	239		

**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)	Changes in TTC w.r.t. Last Revision	Comments
NR*	1st May 2014 to 31st May 2014	00-06	3500	700	2800	590	2210		
		06-17'	3500		2800	720	2080		
		17-18	3600		2900	720	2180		
		18-23	3600		2900	590	2310		
		23-24	3500		2800	590	2210		
NER	1st May 2014 to 7th May 2014	00-17	530	100	430	0	430		
		23-24			450		450		
		17-23			550		450		
	8th May 2014 to 9th May 2014	00-10	530	100	430	0	430		
		23-24			150		150		
		10-17'			250		450		
	10th May 2014 to 12th May 2014	00-17	530	100	430	0	430		
		23-24			450		450		
		17-23			550		450		
	13th May 2014 to 15th May 2014	00-07	530	100	430	0	430		
		23-24			340		340		
		07-17'			440		450		
	16th May 2014 to 20th May 2014	00-17	530	100	430	0	430		
		23-24			450		450		
		17-23			550		450		
	21st May 2014	00-07	530	100	430	0	430		
		16-17			250		250		
		23-24			350		450		
		07-16'			550		450		
	22nd May 2014	00-17	530	100	430	0	430		
		23-24			450		450		
		17-23			550		450		
	23rd May 2014	00-07	530	100	430	0	430		
		16-17			250		250		
23-24		350			450				
07-16'		550			450				
24th May 2014 to 31st May 2014	00-17	530	100	430	0	430			
	23-24			450		450			
	17-23			550		450			
WR									
SR*	1st May 2014 to 31st May 2014	00-17	2100	0	2100	197	1903		
		23-24			2100		1903		
		17-23			2100		1903		

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

**Limiting Constraints**

NR	<b>Import</b>	(n-1) contingency of 400 kV Farakka-Malda D/C High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and high loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda.
	<b>Export</b>	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli
NER	<b>Import</b>	(n-1) contingency of 400 kV Farakka-Malda D/C and (n-1) contingency of one circuit of 400 kV Balipara – Bongaigaon D/C
	<b>Export</b>	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
SR	<b>Import</b>	1. Commissioning of 765kV Raichur-Sholapur S/C 2. Based on the operational experience after the synchronization of SR grid with NEW grid and due to inadvertent variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO). 3. ER-SR TTC has been declared assuming more than 1100 MW generation at Talcher Stage-2. In case Talcher Stage-2 generation goes below 1100 MW, then the ER-SR TTC would be revised downward as constraints within ER would emerge.
	<b>Export</b>	

\*Primary constraints

**National Load Despatch Centre  
Total Transfer Capability for May 2014**

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
1	19-02-2014	Whole Month	Revised due to change in Inter-regional flow pattern & COD of Sasan UMPP Unit-2	ER-NR/ WR-NR
			Revised considering operational experience and margins on HVDC	ER-SR/ WR- SR
			Review of flow pattern due to network topology change and Load Generation Balance.	W3 Zone Injection
2	05-03-2014	Whole Month	Re-Routing of transactions on West-East-North Corridor discontinued on account of Inter-Regional Loop flows leading to physical congestion on WR-NR.	WR-NR/ ER-NR
3	13-03-2014	Whole Month	Margin revised due to withdrawal/cancellation of 150MW MTOA from Corporate Power Limited	ER-SR
4	25-03-2014	Whole Month	Margin revised due to correction in LTA/MTOA figure.	NR-WR
5	29-03-2014	Whole Month	Margin revised due to grant of 150 MW LTA towards SR from NEW grid	ER-SR
6	29-04-2014	Whole Month	Margin revised due to Non-Commissioning of Kudankulam U-1,Vallur U-3 unit and NLC-2 EXP units and Allocation of 150 MW to TANGEDCO.	S1-S2
			Margin revised due to incorporation of existing Solar Power Allocation to SR, ER, NER constituents between 6 hrs -18 hrs in LTA figures and allocation data available on RPCs RTA/REA.	NR-ER/ ER- SR
			Margin revised due to Commissioning of Sasan Unit-4.	WR-NR
			Margin revised considering the LTA/MTOA allocation available in RPCs RTA/REA and due to incorporation of existing Solar Power Allocation to Assam.	ER-NER
			Margin revised considering the LTA/MTOA allocation available in RPCs RTA/REA.	NR-WR/ ER-NR
			Margin revised considering the LTA/MTOA allocation available on RPCs RTA/REA and Re-routing of existing MTOA granted by CTU.	W3-ER
7	30-04-2014	01-05-2014	Revised due to shutdown of 400kV Raipur-Wardha Circuit-2.	W3 Zone Injection
		01/05/2014- 02/05/2014	Revised due to shutdown of 400 kV Rourkela-Sundergarh-Raigarh Ckt-II	W3-ER
8	01-05-2014	02-05-2014	Revised due to shutdown of 400 kV Biharshariff-Banka Ckt-II	ER-NR
			Revised due to 400 kV Rourkela-Sundergarh-Raigarh Ckt-II shutdown not being available	W3-ER
9	02-05-2014	03-05-2014	Revised due to shutdown of 400 kV Raipur-Bhadrawati-II	W3 injection
			Revised due to shutdown of 400 kV JITPL-Anugul-Meramundli	ER-SR
		03/05/2014 to 04/05/2014	Revised due to shutdown of 400 kV Rourkela-Sundergarh-Raigarh Ckt-II	W3-ER

**National Load Despatch Centre  
Total Transfer Capability for May 2014**

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
10	03-05-2014	04-05-2014	Revised due to shutdown of 400 kV Raipur-Wardha-I	W3 injection
			Revised due to shutdown of 765 kV Bus-I of 765/400 kV Agra Substation	WR-NR
11	04-05-2014	05-05-2014	Revised due to shutdown of 400 kV Bhiwani (PG) - Mohindergarh ckt-1	WR-NR
		06-05-2014	Revised due to shutdown of 400 kV Bhiwani (PG) - Mohindergarh ckt-2	
		07-05-2014	Revised due to shutdown of 400 kV Dhanonda - Mohindergarh ckt-1	
		08-05-2014	Revised due to shutdown of 400 kV Dhanonda - Mohindergarh ckt-2	
12	05-05-2014	05/05/2014 to 09/05/2014	Revised due to rescheduling of 400 kV Bhiwani (PG) - Mohindergarh ckt-1, ckt-2 and 400 kV Dhanonda - Mohindergarh ckt-1 and ckt-2 shutdown	WR-NR
		06/05/2014 to 07/05/2014	Revised due to shutdown of 400 kV Hosur-Salem Ckt 2	S1-S2
13	05-05-2014	06-05-2014	Revised due to emergency shutdown of 400 kV JITPL-Anugul and 400 kV JITPL-Bolangir	ER-SR
14	07-05-2014	08-05-2014	Revised due to re-scheduling of 400 kV Dhanonda - Mohindergarh-I shutdown	WR-NR
		09-05-2014	Revised due to re-scheduling of 400 kV Dhanonda - Mohindergarh-II shutdown	WR-NR
		08/05/2014 - 09/05/2014	Revised due to shut down of 220 kV Sarusajai-Samaguri Ckt- I & II	ER-NER/ NER-ER
		08-05-2014	Revised due to shutdown of 400kV Rourkela-SEL-I & 400kV Rourkela-Jharsuguda-I	W3-ER
15	09-05-2014	10-05-2014	Revised due to shutdown of 400 kV Dhanonda - Mohindergarh-I.	WR-NR
		11-05-2014	Revised due to shutdown of 400 kV Dhanonda - Mohindergarh-I.	WR-NR
		10-05-2014	Revised due to shutdown of 400 kV SVCHATHRAM-PONDY S/C.	S1-S2
16	10-05-2014	11-05-2014	Revised due to shutdown of 400kV Hosur-Salem-1	S1-S2
		12-05-2014	Revised due to shutdown of 400kV Hosur-Salem-2	S1-S2
		11/05/2014 - 31/05/2014	Revised due to augmentation/modifications in Punjab control area network	Import of Punjab
17	10-05-2014	11-05-2014	Revised due to shutdown of 400 kV Rourkela-Sterlite Ckt 2 and 400 kV Rourkela-Jharsuguda Ckt 2	W3-ER
18	12-05-2014	13/05/2014 - 15/05/2014	Revised due to Shut down of 220 kV BTPS- Agia S/C.	ER-NER/ NER-ER
19	13-05-2014	14/05/2014 - 31/05/2015	Margin revised due to Annual maintenance of Ramagundam Unit-5	S1-S2

**National Load Despatch Centre  
Total Transfer Capability for May 2014**

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
20	15-05-2014	16/05/2014 - 18/05/2014	Revised due to shutdown of Vindhyachal BTB Block-1	WR-NR
		19/05/2014 - 21/05/2014	Revised due to shutdown of Vindhyachal BTB Block-2	
		16/05/2014 - 18/05/2014	Refer to explanatory notes regarding the change in TTC representation given in the last page.	ER-SR/ S1-S2
21	20-05-2014	21-05-2014	Revised due to shutdown of 400 kV Lakisarai - Kahalgaon	ER-NR
		21-05-2014	Revised due to shutdown of 400 kV Bolangir - JITPL - Anugul	ER-SR
		21-05-2014	Revised due to shutdown of 220 kV Misa - Samaguri ckt-I	NER-ER
		23-05-2014	Revised due to shutdown of 220 kV Misa - Samaguri ckt-II	
22	21-05-2014	22-05-2014	Revised due to shutdown of 230kV Chittoor - Thiruvalam	S1-S2
23	24-05-2014	25-05-2014	Revised due to shutdown of 400kV Kahalgaon-Barh Ckt-1	ER-NR
		26/05/2014 - 31/05/2014	Revised due to shutdown of 400kV Kahalgaon-Barh Ckt-2	
		25/05/2014 - 31/05/2014	Revised due to change in Load Generation Balance and availability of generation at Ranganadi.	ER-NER
		25/05/2014 - 31/05/2014	Revised due to high wind generation in S2 Area.	S1-S2
24	24-05-2014	25/05/2014 - 26/05/2014	Revised due to shutdown of 220 kV Korba-Budhipadar Ckt 2 and Ckt 3 and 220 kV Korba-Raigarh	W3-ER
25	25-05-2014	26/05/2014 - 31/05/2014	Revised due to shutdown of 400kV Kahalgaon-Barh Ckt-1 & Ckt-2	ER-NR
		26/05/2014 - 31/05/2014	Revised due to change in Load Generation Balance and availability of generation at Ranganadi.	ER-NER

## ASSUMPTIONS IN BASECASE

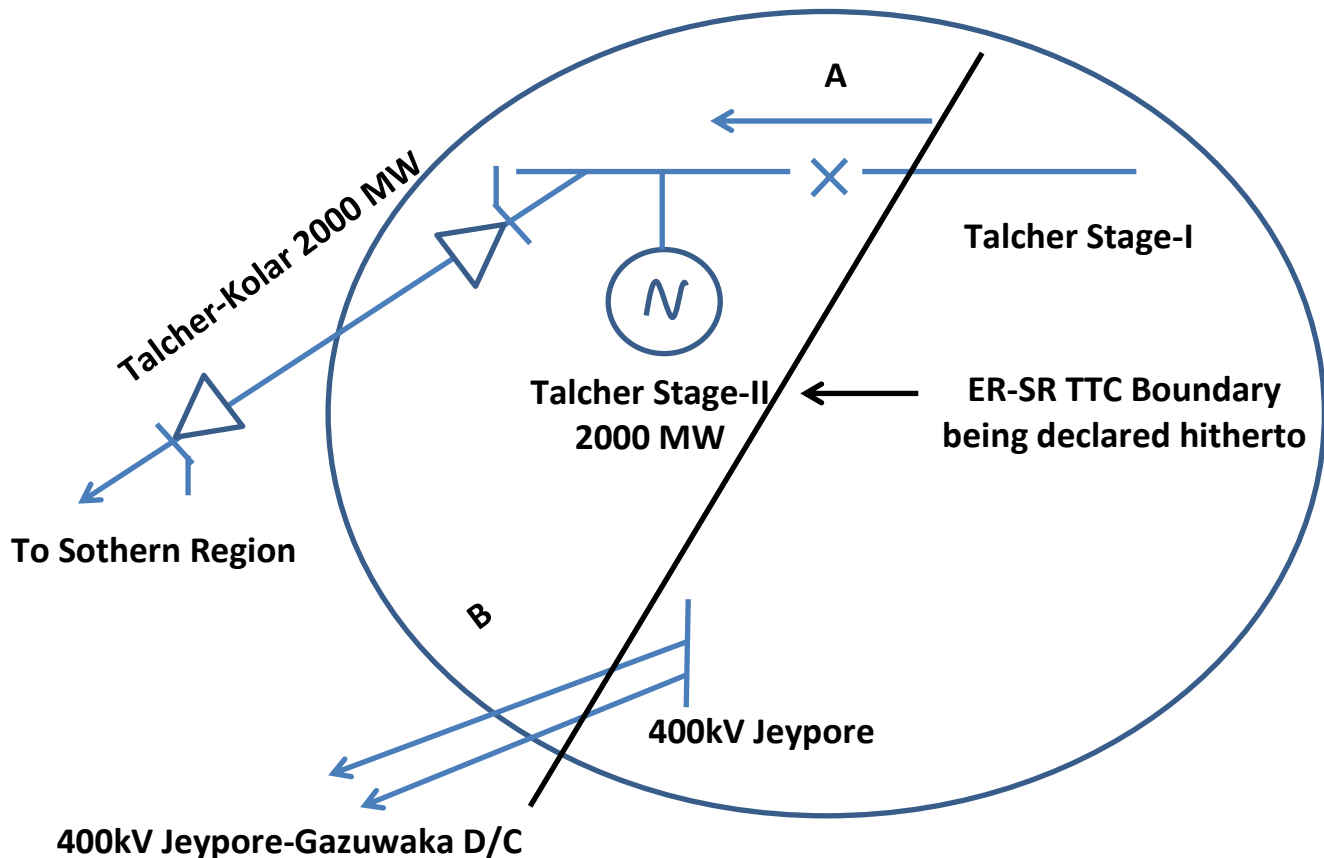
Month : May '14

S.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	5971	5191	2258	2229
2	Haryana	5885	5116	3178	3178
3	Rajasthan	7955	6916	5132	5116
4	Delhi	4102	3566	1296	1296
5	Uttar Pradesh	11500	10090	6358	6354
6	Jammu & Kashmir	2133	1854	387	420
7	Uttarakhand	1628	1415	461	416
8	Himachal Pradesh	1413	1228	469	385
9	Chandigarh	238	192	0	0
10	ISGS/IPPs			18314	13943
	<b>Total NR</b>	<b>40825</b>	<b>35568</b>	<b>37853</b>	<b>33337</b>
<b>II</b>	<b>EASTERN REGION</b>				
1	West Bengal	4920	4680	4920	3644
2	Jharkhand	1070	850	580	420
3	Orissa	3745	2780	3180	2160
4	Bihar	1770	1500	0	0
5	Damodar Valley Corporation	2670	2350	3752	3336
6	Sikkim	96	32	0	0
7	Bhutan	108	110	494	484
8	ISGS/IPPs	245	250	7253	7344
	<b>Total ER</b>	<b>14624</b>	<b>12552</b>	<b>20179</b>	<b>17388</b>
<b>III</b>	<b>WESTERN REGION</b>				
1	Chattisgarh	3400	2700	1629	1629
2	Madhya Pradesh	7728	5521	3632	3013
3	Maharashtra	16790	15516	13037	11828
4	Gujarat	12301	11245	11178	9102
5	Goa	367	257		
6	Daman and Diu	264	245		
7	Dadra and Nagar Haveli	590	585		
8	ISGS/IPPs	1258	1240	17391	16068
	<b>Total WR</b>	<b>42698</b>	<b>37309</b>	<b>46867</b>	<b>41640</b>

<b>IV</b>	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	11603	10209	7716	6690
2	Tamil Nadu	11969	10938	7142	6612
3	Karnataka	8415	6979	6440	4970
4	Kerala	3314	2552	1724	893
5	Pondy	329	276		
6	Goa	84	83		
7	ISGS/IPPs			10873	10054
	<b>Total SR</b>	<b>35714</b>	<b>31037</b>	<b>33895</b>	<b>29219</b>
<b>V</b>	<b>NORTH-EASTERN REGION</b>				
1	Arunachal Pradesh	120	84	0	0
2	Assam	1350	980	240	200
3	Manipur	120	84	0	0
4	Meghalaya	310	217	60	55
5	Mizoram	75	52.5	4	4
6	Nagaland	120	84	12	12
7	Tripura	250	130	110	110
8	ISGS/IPPs			1188	938
	<b>Total NER</b>	<b>2345</b>	<b>1631.5</b>	<b>1614</b>	<b>1319</b>
	<b>Total All India</b>	<b>136206</b>	<b>118098</b>	<b>140408</b>	<b>122903</b>

## 1. Explanatory Notes to the change in representation of ER-SR TTC/ATC

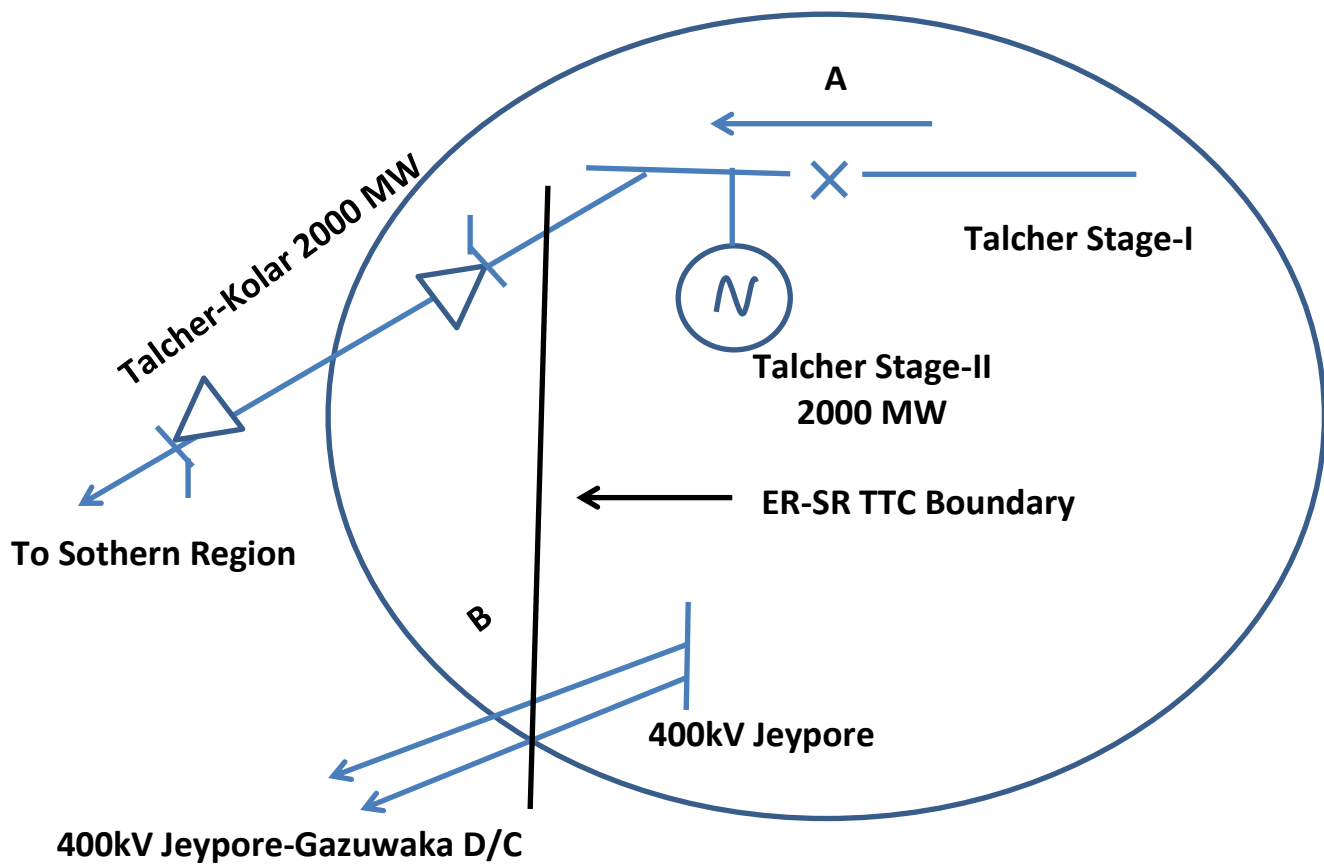
- Hitherto, ER-SR TTC was being declared at (A) Talcher Interconnector and (B) Gazuwaka BTB HVDC i.e., as shown in the Figure-1. This was being done considering the metering point for scheduling and accounting as well as the jurisdiction of Talcher stage-II (under SRLDC presently)



**Figure-1**

- However, the CEA, Government of India and CTU documents/reports consider Talcher-Kolar HVDC bipole as an inter-regional exchange point between ER & SR. Therefore, TTC declaration on ER-SR corridor has been changed to Talcher-Kolar Inter-regional Link and Gazuwaka BTB HVDC i.e., as shown in the Figure-2 w.e.f. 16<sup>th</sup> May 2014
- Scheduling & Metering interface between ER & SR will continue to be the same as per existing methodology.





**Figure-2**

## **2. Explanatory Notes to the change in representation of S1-S2 TTC/ATC**

- Hitherto, S1-S2 TTC was being declared as a scheduling limit which included maximum physical flow possible from S1 to S2 area plus total injection from central sector generating stations located in S2 Area, such as NLC TPS-II Stage-I & II, NLC TPS-II Expn, NLC TPS-I Expn, Vallur STPS, MAPS.
- In order to make S1-S2 TTC more comprehensible, the TTC has been changed to Physical flow gate limit consisting of following lines.
  - 400kV Nellore – Alamathi S/C
  - 400kV Nellore – Sriperumbudur S/C
  - 400kV Nellore – Thiruvallam D/C
  - 400kV Chittor – Thiruvallam D/C
  - 400kv Kolar – Thiruvallam S/C
  - 400kV Kolar – Hosur D/C

- 400kV Somanahally – Hosur S/C
- 400kV Chittoor – Sriperumbudur S/C
- 230kV Chittoor – Thiruvallam S/C
- 230kV Sulurpet-Gumudipoondi S/C
- 230kV Yerandhahalli – Hosur S/C
- 220kV Kadakola – Kaniyampetah S/C