

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

Issue Date: 21/05/2014

Issue Time: 1200 hrs

Revision No. 22

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	4200		3700		0		
	4th May 2014	00-09	4200	500	3700	3992	0		
		09'-24	3800		3300		0		
	5th May 2014	00-05	4200	500	3700	3992	0		
		05'-24	4200		3700		0		
	6th May 2014	00-05	4200	500	3700	3992	0		
		05'-24	3800		3300		0		
	7th May 2014	00-05	4200	500	3700	3992	0		
		05'-24	3800		3300		0		
	8th May 2014	00-05	4200	500	3700	3992	0		
		05'-24	4200		3700		0		
	9th May 2014	00-05	4200	500	3700	3992	0		
		05'-24	4200		3700		0		
	10th May 2014	00-05	4200	500	3700	3992	0		
		05'-24'	3900		3400		0		
	11th May 2014	00-05	4200	500	3700	3992	0		
		05'-24'	3900		3400		0		
	12th May 2014 to 15th May 2014	00-17	4200	500	3700	3992	0		
		23-24	4200		3700		0		
	16th May 2014	00-08	4200	500	3700	3992	0		
		08-24'	3950		3450		0		
	17th May 2014 to 18th May 2014	00-17	3950	500	3450	3992	0		
		23-24	3950		3450		0		
	19th May 2014	00-08	4200	500	3700	3992	0		
		08-24'	3950		3450		0		
	20th May 2014 to 21st May 2014	00-17	3950	500	3450	3992	0		
		23-24	3950		3450		0		
22nd May 2014 to 31st May 2014	00-17	4200	500	3700	3992	0			
	23-24	4200		3700		0			
<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 31st May 2014	00-17	3800	300	3500	2431	1069		
		23-24					1069		
		17-23					1069		
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 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		
WR-SR	1st May 2014 to 31st May 2014	00-24	1000	0	1000	1000	0		
SR-WR *	1st May 2014 to 31st May 2014	00-24	1000	0	1000	0	1000		
ER-SR	1st May 2014 to 2nd May 2014	00-06	750	0	750	593	157		
		18-24				638	112		
	3rd May 2014	00-06	750	0	750	593	157		
		06-17'	450		450	638	0		
		17-18	750		750	638	112		
	4th May 2014 to 05th May 2014	00-06	750	0	750	593	157		
		18-24				638	112		
			06-18'					638	

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ER-SR (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		
	SR-ER *	1st May 2014 to 31st May 2014	00-17 23-24	1100	0	1100	197	903	
17-23			1100	1100			903		
ER-NER <sup>2</sup>	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		
ER-NER <sup>2</sup>	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		
ER-NER <sup>2</sup>	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		
ER-NER <sup>2</sup>	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		
ER-NER <sup>2</sup>	16th May 2014 to 31st 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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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		
	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	280	2120	2413	0	-100	Revised due to shutdown of 230kV Chittoor - Thiruvalem	
23rd May 2014 to 31st May 2014	00-24	2500	280	2220	2413	0			

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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	8500		8300		1399		
		23-24	9000		8800		1899		
	2nd May 2014	00-17	9000	200	8800	6901	1899		
		23-24	9500		9300		2399		
	3rd May 2014	00-08	9000	200	8800	6901	1899		
		08-17	8600		8400		1499		
		23-24	9100		8900		1999		
	4th May 2014	00-07	9000	200	8800	6901	1899		
		17-23	9000		8800		1899		
		07-17	8500		8300		1399		
	5th May 2014 to 31st May 2014	00-17	9000	200	8800	6901	1899		
		23-24	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)DB 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.

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**2. ER-NER Total Transfer capability will be reduced to 450 MW in case of outage of any one of the 400kV Purnea-Biharshariff circuit.**

**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 Kahalgaon-Biharshariff
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 Kahalgaon-Biharshariff (during Off-Peak Hours) (n-1) contingency of one circuit of 400 kV Balipara – Bongaigaon D/C (during Peak Hours)
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

Simultaneous Import Capability

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ER									
NR	1st May 2014	00-17	8000	800	7200	6423	777		
		23-24			7200		777		
	2nd May 2014	00-07	8000	800	7200	6423	777		
		07'-24	7700		6900		477		
	3rd May 2014	00-17	8000	800	7200	6423	777		
		23-24			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			7200		777		
	6th May 2014	00-05	8000	800	7200	6423	777		
		05'-24			6800		377		
	7th May 2014	00-05	8000	800	7200	6423	777		
		05'-24			6800		377		
	8th May 2014	00-05	8000	800	7200	6423	777		
		05'-24			7200		777		
	09th May 2014	00-05	8000	800	7200	6423	777		
		05'-24			7200		777		
	10th May 2014	00-05	8000	800	7200	6423	777		
		05'-24			6900		477		
	11th May 2014	00-05	8000	800	7200	6423	777		
		05'-24			6900		477		
	12th May 2014 to 15th May 2014	00-17	8000	800	7200	6423	777		
		23-24			7200		777		
	16th May 2014	00-08'	8000	800	7200	6423	777		
		08-24'			6950		527		
	17th May 2014 to 18th May 2014	00-17	7750	800	6950	6423	527		
		23-24			6950		527		
19th May 2014	00-08'	8000	800	7200	6423	777			
	08-24'			6950		527			
20th May 2014	00-17	7750	800	6950	6423	527			
	23-24			6950		527			
21st May 2014	00-08	7750	800	6950	6423	527			
	08-24'			6650		227			
22nd May 2014 to 31st May 2014	00-17	8000	800	7200	6423	777			
	23-24			7200		777			
		17-23	8000						

Simultaneous Import Capability

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NER <sup>2</sup>	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'	570		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	205	465			
		00-06	720		670	210	460			
		23-24	720		590	210	380			
NER <sup>2</sup>	13th May 2014 to 15th May 2014	00-06	720	50	670	205	465			
		23-24	720		670	210	460			
		06-07'	650		600	210	390			
		07-17'	650		590	210	380			
	16th May 2014 to 31st May 2014	17-18	640	50	590	205	385			
		18-23	640		670	205	465			
		00-06	720		670	210	460			
		23-24	720		590	210	380			
	WR									
SR	1st May 2014 to 2nd May 2014	00-06	1750	0	1750	1593	157			
		18-24	1750		1750	1638	112			
	3rd May 2014	06-18'	1750	0	1750	1593	157			
		00-06	1750		1450	1638	0			
		18-24	1750		1750	1638	112			
	4th May 2014 to 5th May 2014	06-17'	1450	0	1750	1593	157			
		17-18	1750		1750	1638	112			
	6th May 2014	00-06	1750	0	1750	1593	157			
		18-24	1750		1750	1638	112			
	7th May 2014 to 15th May 2014	06-07'	1750	0	1450	1638	0			
		07-18'	1450		1450	1593	0			
	16th May 2014 to 31st May 2014	18-24'	1450	0	1750	1593	157			
		00-06	1750		1750	1638	112			
	21st May 2014	06-18'	1750	0	1750	1638	112			
		00-06	3650		3650	3366	284			
		18-24	3650		3650	3411	239			
	22nd May 2014 to 31st May 2014	06-18'	3650	0	3650	3366	284			
		00-06	3650		3650	3411	239			
18-24		3650	3350		3411	0				
21st May 2014	07-15	3350	0	3650	3366	284				
	00-06	3650		3650	3411	239				
22nd May 2014 to 31st May 2014	18-24	3650	0	3650	3366	284				
	06-18'	3650		3650	3411	239				

2. ER-NER Total Transfer capability will be reduced to 450 MW in case of outage of any one of the 400kV Purnea-Biharshariff circuit.



**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
		17-23								
	8th May 2014 to 9th May 2014	00-10	530	100	430	0	430			
		23-24								150
		10-17'								
	10th May 2014 to 12th May 2014	00-17	530	100	430	0	430			
		23-24								450
		17-23								
	13th May 2014 to 15th May 2014	00-07	530	100	430	0	430			
		23-24								340
		07-17'								
	16th May 2014 to 20th May 2014	00-17	530	100	430	0	430			
		23-24								450
		17-23								
	21st May 2014	00-07	530	100	430	0	430			
		16-17								250
		23-24								
		07-16'								
	22nd May 2014	00-17	530	100	430	0	430			
		23-24								450
		17-23								
	23rd May 2014	00-07	530	100	430	0	430			
		16-17								250
23-24										
07-16'										
24th May 2014 to 31st May 2014	00-17	530	100	430	0	430				
	23-24								450	
	17-23									
WR										
SR*	1st May 2014 to 31st May 2014	00-17	2100	0	2100	197	1903			
		23-24								
		17-23								

\* 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 Kahalgaon-Biharshariff 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 Kahalgaon-Biharshariff (during Off-Peak hours) and (n-1) contingency of one circuit of 400 kV Balipara – Bongaigaon D/C (during Peak Hours)
	<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		Revised due to shutdown of 400 kV Biharshariff-Banka Ckt-II	ER-NR
		02/05/2014	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
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 - Kahlgaon	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 - Thiruvalem	S1-S2

## ASSUMPTIONS IN BASECASE

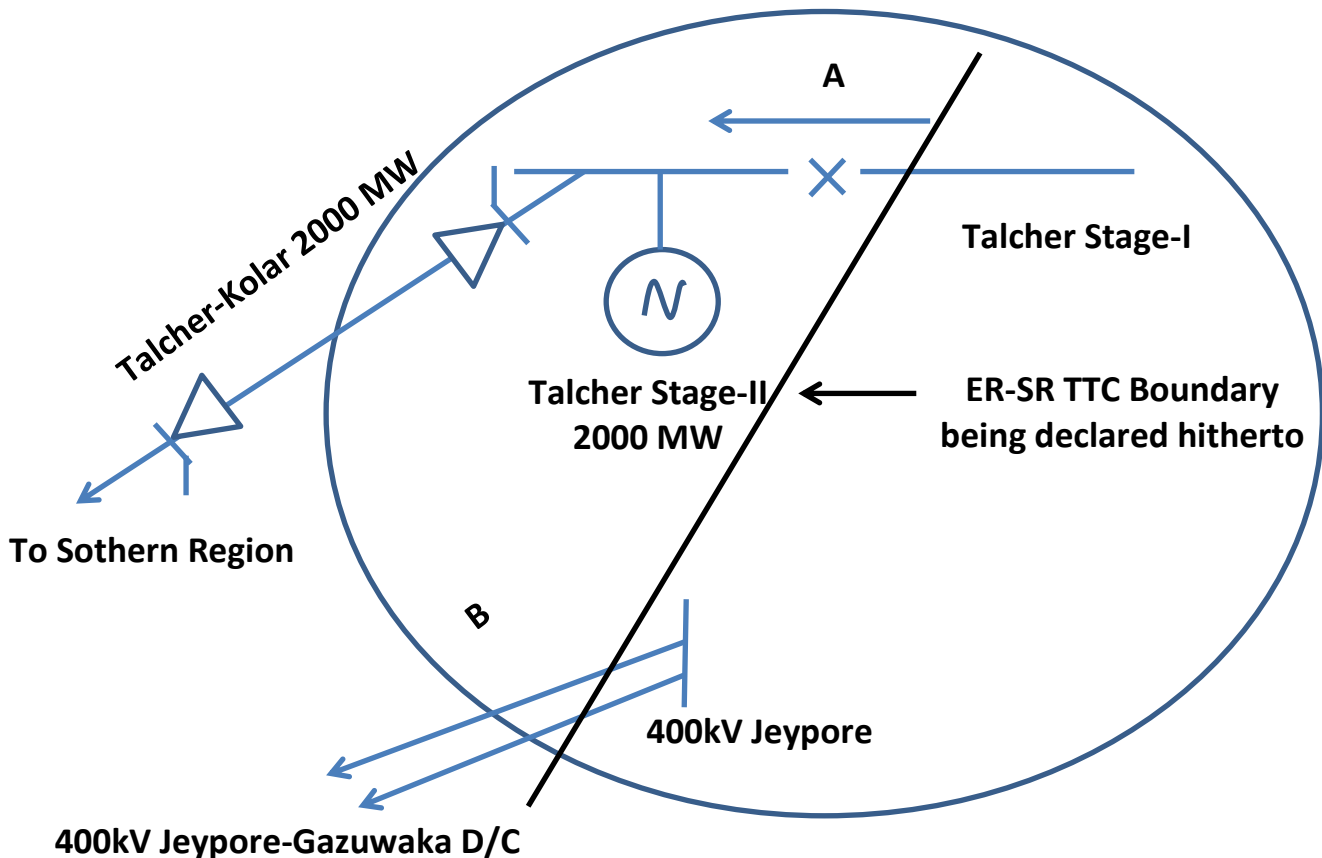
Month : May '14

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.

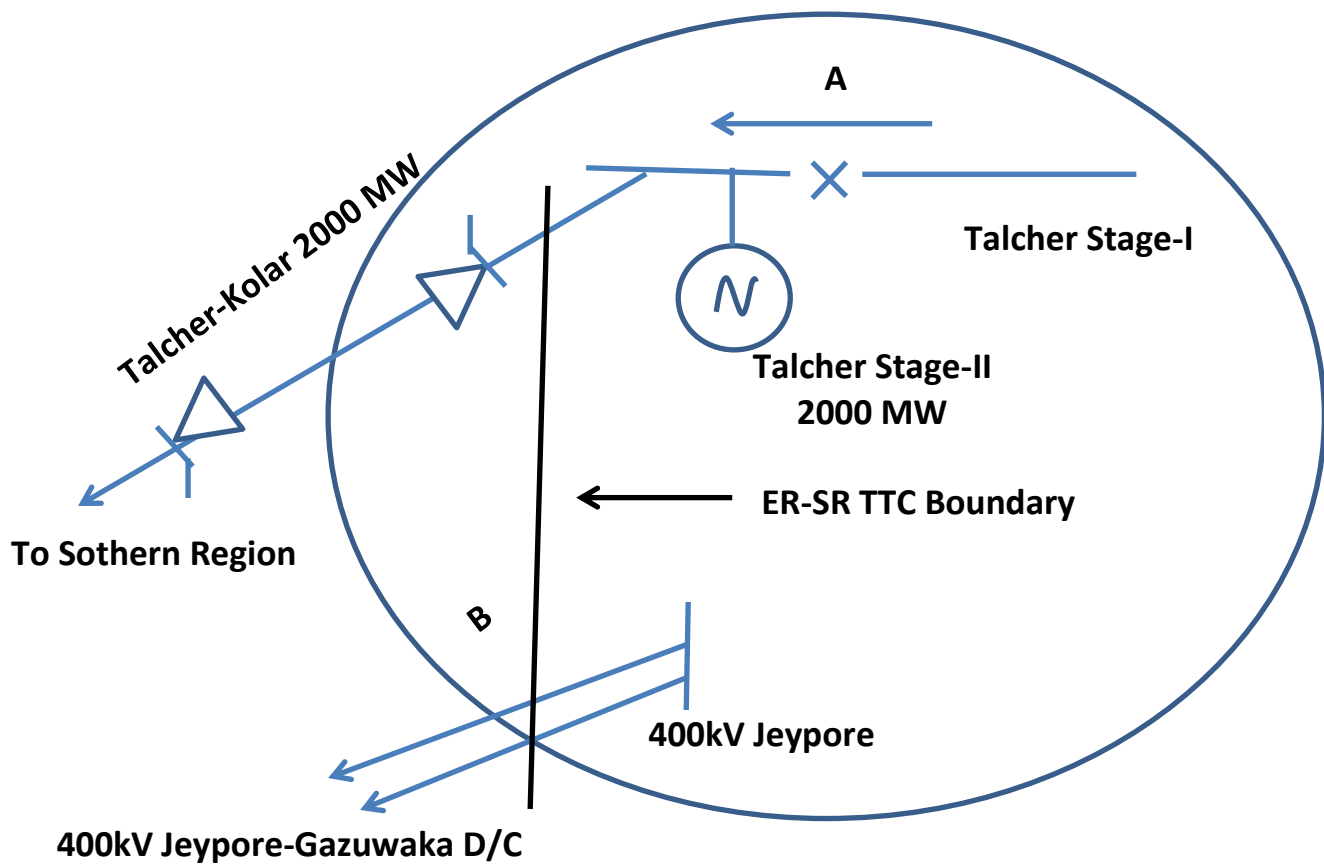


Figure-2

## 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