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-WR *	1st April 2014 to 30th April 2014	00-24	2500	500	2000	361	1639		
WR-NR ¹	1st April 2014 to 30th April 2014	00-17 23-24	4200	500	3700	3656	44		
	-	17-23	4200		3700		44		
NR-ER*	1st April 2014 to 30th April 2014	00-17 23-24	1000	200	800	200	600		
	1st April 2014 to 07h April 2014	17-23 00-17 23-24	1100 3300	300	900 3000	2789	700 211		
ER-NR ^{\$}	08th April 2014 to 10th April 2014	17-23 00-17 23-24	3800	300	3500	2789	211 711		
	11th April 2014 to	17-23 00-17 23-24	3800	300	3500	2789	711 711		
	30th April 2014	17-23					711		
	1st April 2014 to								
	11th April 2014 to	00-24	1800	300	1500	0	1500		
	12th April 2014	00-07 07-24'	1800 1600	300 300	1500	0	1500		
	13th April 2014	00-24	1600	300	1300	0	1300		
W3-ER		00-07 16-24	1800	300	1500	0	1500		
	14th April 2014	07-16'	1600	300	1300	0	1300		
	15th April 2014 to 17th April 2014	00-24	1800	300	1500	0	1500		
	18th April 2014 to 30th April 2014	00-24	1800	300	1500	427	1073		Allocation of Power from WR to Bangladesh and Southern region Incorporated.
ER-W3	1st April 2014 to 30th April 2014	00-24	1000	300	700	700	0		
WR-SR	1st April 2014 to 30th April 2014	00-24	1000	0	1000	1000	0		
SR-WR *	1st April 2014 to 30th April 2014	00-24	1000	0	1000	0	1000		
	1st April 2014 to	00-05 10-19	750	0	750	507	243		
	12th April 2014	05-10 19-24	750	0	750	507	243		
ER-SR	13th April 2014	00-05 14-19 07-14'	750 450	0	750 450	507	243 0		
EX-3K	15th April 2014	07-14 05-07 19-24	750		750	507	243		
	14th April 2014 to	00-05 10-19	750	0	750	507	243		
	30th April 2014	05-10 19-24	750		750		243		
SR-ER *	1st April 2014 to 30th April 2014	00-17 23-24 17-23	1100 1100	0	1100 1100	197	903 903		
		17-23	1100		1100		903		

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Issue Time: 1500 hrs

Revision No. 13

Issue Time: 1500 hrs

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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
	1st April 2014	00-17 23-24	620	50	570	230	340		
		17-23	620		570		340		
	2nd April 2014 to 04th April 2014	00-06	620	50	570	230	340		
	04ul April 2014	06-24'	350		300		70		
	05th April 2014 to	00-17 23-24	620	. 50	570	230	340		
	07th April 2014	17-23 00-17	620		570		340		
	08th April 2014 to 10th April 2014	23-24	720	50	670	230	440		
	-	17-23 00-17	670		620		390		
ER-NER ²	11th April 2014 to 12th April 2014	23-24	720	50	670	230	440		
	12th April 2014	17-23	670		620		390		
		00-05 05-17'	720		670		440		
	13th April 2014	23-24	660	50	610	230	380		
		17-23	660		610		380		
	14th April 2014 to	00-05	720		670		440		
	15th April 2014	05-17' 23-24	660	50	610	230	380		
		17-23	660		610		380		
	16th April 2014 to	00-17	720	50	670	230	440		
	30th April 2014	23-24 17-23	670		620	230	390		
	1st April 2014	00-17	580	100	480		480		
		23-24 17-23	560		460	0	460		
	02nd April 2014 to 04th April 2014	00-06	580	100	480		480		
		06-17'	110		10	0	10		
		23-24 17-23	110		10		10		
	05th April 2014 to	00-17	580	100	480	0	480		
	12th April 2014	23-24 17-23	560	100	460	0	460		
NER-ER		00-06	580		480		480		
NER ER	13th April 2014	06-17 23-24	580	100	480	0	480		
		17-23	560		460		460		
		00-06	580	100	480	0	480		
	14th April 2014 to 15th April 2014	06-17	480		380		380		
	1501740112014	23-24							
	16th April 2014 to	17-23 00-17	480		380		380		
	30th April 2014 to	23-24	580	100	480	0	480		
		17-23	560		460		460		
S1-S2	1st April 2014 to 30th April 2014	00-24	5650	400	5250	4900	350		
Import of Punjab	1st April 2014 to 30th April 2014	00-24	5600	300	5300	3800	1500		
Import TTC for DD & DNH	1st April 2014 to 30th April 2014	00-24	980	0	980	LTA and MTO. scheo			
	1st April 2014 to	00-17	9000	200	8800	6901	1899		
	10th April 2014	23-24 17-23	9500	200	9300	0901	2399		
W3 zone	11th April 2014 to	00-17	8700		8500		1599		
Injection	15th April 2014	23-24 17-23	9200	200	9000	6901	2099		
		00-17	9200		8800		1899		
	16th April 2014 to 30th April 2014	23-24		200		6901			
		17-23	9500		9300		2399		advanced transactions (Bilateral &

* 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).

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access	Margin Available for Short Term Open Access	Changes in TTC w.r.t. Last	Comments
			(110)		(AIC)	(MTOA) #	(STOA)	Revision	

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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 :

Issue Date: 17/04/2014

a) Chattisgarh, b) Jindal Power Limited (JPL), c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak

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f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCL

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.

The figure is based on LTA/MTOA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage the LTA/MTOA utilized would be les. RLDC/ NLDC would factor this situation while issuing STOA approvals

\$ 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.

WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:
• 765 kV Gwalior-Agra one circuit

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 (1000 MW SPS setting on each circuit of 765 kV Gwalior-Agra)
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	Commissioning of 765kV Raichur-Sholapur S/C 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) S. Considering transfer capability asessment by CTU on NEW-SR corridor.
SR-WR	Bhadrawati HVDC B/B link capacity
SR-ER	
ER-NER	(n-1) contingency of 400 kV Kahalgaon-Biharshariff (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 Patiala/Moga
W3 zone Injection	(n-1) contingency of 400 kV Raipur-Wardha-Parli section
	*Drimony constraints

*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)	Changes in TTC w.r.t. Last Revision	Comments
ER									
	1st April 2014 to	00-17 23-24	7500	800	6700	6445	255		
	7th April 2014	17-23	7500	000	6700	0445	255		
NR ¹	08th April 2014 to 10th April	00-17 23-24	8000	800	7200	6445	755		
	2014	17-23 00-17	8000		7200		755		
	11th April 2014 to 30th April	23-24	8000	800	7200	6445	755		
	2014	17-23	8000		7200		755		
	1st April 2014	00-17 23-24	620	50	570	230	340		
	a b b b b c c c c c c c c c c	17-23	620		570		340		
	2nd April 2014 to 04th April 2014	00-06 06-24'	620 350	50	570 300	230	340 70		
	05th April 2014	00-17	620	50	570	230	340		
	to 07th April 2014	23-24 17-23	620		570	250	340		
	08th April 2014 to 10th April	00-17	720	50	670		440		
		23-24				230			
	11th April 2014	17-23 00-17	670	50	620	230	390		
NER ²		23-24	720		670		440		
NEK	2014	17-23	670		620		390		
	13th April 2014	00-05	720 660	50	670 610	230	440 380		
		23-24 17-23	660		610		380		
	141 4 12014	00-05	720		670		440		
	14th April 2014 to 15th April	05-17' 23-24	660	50	610	230	380		
	2014	17-23	660		610		380		
	16th April 2014 to 30th April	00-17 23-24	720	50	670	230	440		
	2014	17-23	670		620		390		
WR									
	1st April 2014 to	00-05 10-19	1750		1750		243		
	12th April 2014 to	05-10	1750	0	1750	1507	243		
		19-24	1750		1750		243		
SR	13th April 2014	07-14'	1450	0	1450	1507	0		
JK	150171011 2014	05-07 19-24	1750	0	1750	1507	243		
	14th April 2014	00-05 10-19	1750		1750		243		
	to 30th April 2014	05-10 19-24	1750	0	1750	1507	243		

WR-NR Total Transfer capability will be reduced to 3100 MW in case of outage of any one of the following sections:
765 kV Gwalior-Agra one circuit

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 April 2014 to 30th April 2014	00-17 23-24	3500	700	2800	561	2239		
	50th April 2014	17-23	3600		2900		2339		
	1st April 2014	00-17 23-24	580	100	480	0	480		
		17-23	560		460		460		
	02= 1 A==1 2014	00-06	580		480		480		
	02nd April 2014 to 04th April 2014	06-17' 23-24	110	100	10	0	10		
		17-23	110		10		10		
	05th April 2014 to 12th April	00-17 23-24	580	100	480	0	480		
	2014	17-23	560		460		460		
NER	13th April 2014	00-06	580	100	480		480		
		06-17 23-24	580		480	0	480		
		17-23	560		460		460		
	14th April 2014 to 15th April	00-06	580	100	480	0	480		
		06-17 23-24	480		380		380		
	2014	17-23	480		380		380		
	16th April 2014 to 30th April	00-17 23-24	580	100	480	0	480		
	2014	17-23	560		460		460		
WR									
WK									
SR*	1st April 2014 to	00-17 23-24	2100	0	2100	197	1903		
	30th April 2014	17-23	2100		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

	Import	(n-1) contingency of 400 kV Kahalgaon-Biharshariff
NR	Import	High loading of 765 kV Agra-Gwalior (1000 MW SPS setting on each circuit of 765 kV Gwalior-Agra)
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
	Export	(n-1) contingency of 400 kV Allahabad-Pusauli
NER	Import	(n-1) contingency of 400 kV Kahalgaon-Biharshariff and (n-1) contingency of one circuit of 400 kV Balipara - Bongaigaon D/C
ILER	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
	Import	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
SR		variation of 765kV Raichur-Sholapur line flow, observation of Low Frequency Oscillations(LFO).
		3. Considering transfer capability assesment by CTU on NEW-SR corridor.
	Export	

*Primary constraints

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
1	22-01-2014	Whole Month	Revised due to commissioning of 765kV Raichur- Sholapur S/C	WR-SR / ER-SR
			Revised due to change in Inter-regional flow pattern & COD of Sasan UMPP Unit-2	WR-NR
2	19-02-2014	Whole Month	Revised considering operational experience and margins on HVDC	WR-SR / ER-SR
			Review of flow pattern due to network topology change and Load Generation Balance.	W3 Zone Injection
3	07-03-2014	Whole Month	STOA/PX transactions on West-East-North Corridor discontinued on account of Inter-Regional Loop flows leading to physical congestion on WR-NR.	ER-NR/ WR-NR
4	13-03-2014	Whole Month	Margin revised due to withdrawal/cancellation of 150MW MTOA from Corporate Power Limited	ER-SR
5	25-03-2014	Whole Month	Revised due to Non commissioning of Kudankulam U- 1 & Vallur U-3	S1-S2
6	30-03-2014	01/04/2014 - 10/04/2014	Revised due to shutdown of 400 kV Barh-Patna D/C	ER-NER / ER-NR
0	50-05-2014	Whole Month	Margin Revised due to Non commissioning of Neyveli TS2 expn	S1-S2
7	01-04-2014	02/04/2014 - 04/04/2014	Revised due to shutdown of 400 kV Balipara-Misa D/C and 220 kV Samaguri-Sarusujai D/C	ER-NER / NER-ER
8	07-04-2014	08/04/2014 - 10/04/2014	Revised due to return of 400 kV Barh-Patna D/C shutdown	ER-NER / ER-NR
9	10-04-2014	12/04/2014 - 13/04/2014	Revised due to shutdown of 400 kV Ranchi-Sipat D/C	W3-ER
9	10-04-2014	11/04/2014 - 15/04/2014	Revised due to shutdown of 400 kV Seoni-Bhilai	W3
10	11-04-2014		Revised due to shutdown of 220 kV Birpara-Salakati D/C	ER-NER / NER-ER
10	11-04-2014	13-04-2014	Revised due to emergency shutdown of 400 kV Anugul- JITPL	ER-SR
11	12-04-2014	13-04-2014	Revised due to rescheduling of 220 kV Birpara- Salakati D/C shutdown	ER-NER / NER-ER
12	13-04-2014	14-04-2014	Revised due to shutdown of 400 kV Rourkela- Jharsuguda Ckt 1	W3-ER
13	17-04-2014	18/04/2014 - 30/04/2014	Allocation of Power from WR to Bangladesh and Southern region Incorporated.	W3-ER