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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
NR-WR *	1st November 2014 to 30th November 2014	00-24	2500	500	2000	297	1703		
	1st November 2014	00-17 17-19 19-23' 23-24	3500 3500 3900 3900	500	3000 3000 3400 3400	4380	0 0 0 0		
	2nd November 2014	00-17 23-24 17-23	4900 4900	500	4400 4400	4380	20 20		
WR-NR	3rd November 2014 to 7th November 2014	00-17 23-24 17-23	4500 4500	500	4000	4380	0		
	8th November 2014	00-09 09-19' 19-23 23-24	4500 4900 4900 4900	500	4000 4400 4400 4400	4380	0 20 20 20 20		
	9st November 2014 to 30th November 2014	00-17 23-24 17-23	4900 4900	500	4400 4400	4380	20 20		
		00-06	1000		800	293	507		
ND ED*	1st November 2014 to	06-17'	1000	200	800	338	462		
NR-ER*	30th November 2014	17-18' 18-23	1100	200	900 900	338 293	562 607		
		23-24	1000		800	293	507		
ER-NR	1st November 2014 to 30th November 2014	00-17 23-24 17-23	3400	300	3100	2431	669		
		17 23					007		
W3-ER <sup>\$</sup>	1st November 2014 to 30th November 2014	00-24	1900	300	1600	351	1249		
ER-W3	1st November 2014 to 30th November 2014	00-24	1000	300	700	874	0		
	1st November 2014	00-18	2100	750	1350	1350	0		
	1st November 2014	18-24	1600	750	850	1350	0		
WR-SR	2nd November 2014 to 30th November 2014	00-24	2100	750	1350	1350	0		
SR-WR*	1st November 2014 to 30th November 2014	00-24				No limit i	s being Specified.		
	1st November 2014 to	00-06				2505			
	1st November 2014 to 14th November 2014	18-24 06-18'	2000	0	2000	2585 2650	0		
ER-SR	15th November 2014	00-06	2000	0	2000	2435	0		LTA Quantum revised due to
	to 30th November 2014	18-24 06-18'	2000	0	2000	2500	0		shutdown of U-1 & 2 of JPL.
SR-ER *	1st November 2014 to 30th November 2014	00-24				No limit i	s being Specified.		
	1-t November 2011	00-17	700		660		450		
	1st November 2014 to 14th November 2014	23-24	700	40	660	210	450		
		17-23 00-07	500		460		250		
	15th November 2014	23-24	700		660		450		
ER-NER	to 16th November 2014	07-17.	400	40	360	210	150		
		17-23	500		460		250		
	17th November 2014 to 30th November	00-17 23-24	700	40	660	210	450		
	2014	17-23	500		460		250		
	1st November 2014 to	00-17 23-24	530	30	500	0	500		
	14th November 2014	17-23	600	40	570		570		
	15th November 2014	00-07	530		500		500		
NER-ER	to 16th November	23-24		30		0			
	2014	07-17. 17-23	160 600	40	130 570		130 570		
	17th November 2014	00-17	530	30	500	0	500		
	to 30th November 2014	23-24 17-23	600	40	570	0	570		
		-, 20	. 000		5.0		5.70		

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Math November 2014   2014   200	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
Name			00-21	3465		3180	3086	94		
A		1st November 2014	21-22	3200	285	2915	2977	0		
Since			22-24	3465		3180	3086	94		
Sin November 2014   10   10   10   10   10   10   10										
St. S2   St.		2nd November 2014			285					
Silva   Silv										
Si-S2   30.04   32.00   2915   2915   2868   0   0   1		3rd November 2014			285					
Ath November 2014   4th November 2014   130   3000   285   2715   2868   0		314 110 (611106) 2011		3200	200	2915	2977	0		
SI-S2   Althoropher 2014   1330   3000   285   2715   2868   0			0400	3200		2915	2868	0		
1800   3110   2825   2977   0		4th November 2014	1330	3000	285	2715	2868	0		
Sth November 2014   18-24   28-50			1800							
Sit November 2014   18-24   2850   2865   2868   0				3110		2825	2977	0		
S1-S2  6th November 2014		5th November 2014	18-24		285		2868			
S1-S2  S1										
Tith November 2014   00-24   3110   285   2825   2900   0   0   0   0   0   0   0   0   0		6th November 2014			285					
SI-S2   Sth November 2014   00-10   3110   285   3055   2900   1555   150		71.37 1 2011			205					
SI-S2		7th November 2014			285					
S1-S2   Ph November 2014   10th November 2014   1					205					4
Pith November 2014   13-34	S1-S2				285					1
Pith November 2014   10th November 2014   10th November 2014   10 11th November 2014   10 11th November 2014   10 10th November 2014   10 10th November 2014   10 10th November 2014   10 10 10 10 10 10 10 10 10 10 10 10 10	~- ~-									
10th November 2014   10th No					285					•
10th November 2014   10 11th November 2014   10 3070   285   2785   2881   0					203					•
12th November 2014   12th No		to 11th November			285					
12th November 2014   1630   2900   285   2615   2881   0		12th November 2014		3070		2785	2881	0		
13th November 2014   00-24   3070   285   2785   2881   0			1630	2900	285	2615	2881	0		
14th November 2014   00-24   3070   285   2785   2804   0   15th November 2014   10 th November 2014   10 to 18th November 2014   10 to 27th November 2014   10 30th Novembe			2400					-		
15th November 2014   16th November 2014   10										
Timport of Punjab   1st November 2014 to 30th November 2014 to 30th November 2014 to 30th November 2014 to 30th November 2014   19th November 2014 to 30th November 2014 to 30th November 2014   19th November 2014 to 30th November 2014 to 30th November 2014   18t November 2014 to 12th November 2014 to 12th November 2014   18t November 2014 to 12th November 2014 to 12th November 2014   18t November 2014 to 12th Nove										
To 18th November 2014   2014   200   285   2785   2704   81   220   Revised due to NCTPS Unit-1 outage is extension & LTA quantum of 150 MW from JPL (WR) to Tamin landu is revised to zero due to Unit outage			00-24	3070	285	2785	2704	81		
19th November 2014 to 27th November 2014 2014   28th November 2014 to 30th November 2014 to 12th November 2014 to 13th November 2014 to 12th November 2014 to 13th November 2014 to 13th November 2014 to 13th November 2014 to 30th November 20		to 18th November	00-24	3070	285	2785	2704	81	220	
Table   1st November 2014 to 30th November 2014 to 12th November 2014 to 12th November 2014    W3 zone Injection   Title   Table		to 27th November 2014	00-24	3070	285	2785	2740	45	220	of 150 MW from JPL (WR) to Tamil nadu is revised to zero due to
Punjab   30th November 2014   00-24   5700   300   5400   3790   1610		to 30th November	00-24	3070	285	2785	2817	0	220	
St November 2014 to 30th November 2014 to			00-24	5700	300	5400	3790	1610		
W3 zone Injection     18t November 2014   23-24   9400   200   9200   6843   2357			00-24	1200	0	1200				
W3 zone Injection		Let November 2014 to	00-17	0400		0200		2257		
W3 zone Injection					200		6843			
W3 zone Injection		12th 11010hiber 2014		9900		9700		2857		
100-08   9400   9200   2357		13th November 2014	23-24		200		6843	1457		
14th November 2014 to 30th November 2014 17-23 9900 200 9200 6843 2357 2857	Injection	15 110 veinoer 2014			200		0043	2357		
to 30th November 23-24 9400 200 9200 6843 2557 2014 17-23 9900 9700 2857				8500		8300		1457		
27.20		to 30th November	23-24		200		6843			
Eifty Descent (50 %) Counter flow benefit on account of LTA MTOA transactions in the reverse direction would be considered for advanced transactions (Pilotzel & Eirot	* Eifty Daggant	2014	17-23			9700		2857		

<sup>\*</sup> 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).

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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	
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\$ 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) 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 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) KWPCL, 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 commissionned the LTA/MTOA utilized would 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 Loop flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda (power flowing from WR to NR on 765kV Gwalior-Agra D/C and from NR to WR on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda).
NR-ER	(n-1) contingency of 400 kV Allahabad-Pusauli
ER-NR	High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) due to transit flows on ER-WR-NR corridor.
W3-ER	(n-1) contingency of 400kV Sterlite-Rourkela S/C
ER-W3	(n-1) contingency of 400kV Raigarh-Jharsuguda-Rourkela
WR-SR & ER-SR	(n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)     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.
ER-NER	Palatana unit tripping leading to the thermal overloading of 220 kV BTPS - Salakati D/C
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa and High loading of 220kV Misa-Samaguri D/C
S1-S2	(n-1) contingency of one circuit of 400 kV Kolar-Hosur
Import of DD & DNH	(n-1) contingency of 400/220KV 315MVA ICT at VAPI
Import of Punjab	(n-1) contingency of ICT at Dhuri and (n-1) contingnecy of 220kV Moga(PG)-Moga(PSTCL)
W3 zone Injection	(n-1-1) contingency of 400 kV Raipur-Bhadrawati D/C section and High loading of 400kV Raipur-Wardha (850 MW SPS setting on each circuit of 400kV Raipur-Wardha)

<sup>\*</sup>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 November 2014	00-17 17-19 19-23' 23-24	6900 6900 7300 7300	800	6100 6100 6500 6500	6811	0 0 0 0			
	2nd November 2014	00-17 23-24 17-23	8300 8300	800	7500 7500	6811	689 689			
NR	3rd November 2014 to 7th November 2014	00-17 23-24 17-23	7900 7900	800	7100 7100	6811	289			
	8th November 2014	00-17 17-19' 19-23 23-24'	7900 7900 8300 8300	800	7100 7100 7500 7500	6811	289 289 689			
	9st November 2014 to 30th November 2014	00-17 23-24 17-23	8300 8300	800	7500 7500	6811	689 689			
	1st November 2014 to 14th November 2014	00-17 23-24 17-23	700 500	40	660 460	210	450 250			
NER	15th November 2014 to 16th November 2014	00-07 23-24	700	40	660	210	450			
	16th November 2014	07-17. 17-23	400 500		360 460		150 250			
	17th November 2014 to 30th November 2014	00-17 23-24	700	40	660	210	450			
WD.		17-23	500		460		250			
WR										
	1st November 2014	00-06 18-24 06-18'	4100 3600 4100	750	3350 2850 3350	3935 3935 4000	0 0			
SR	2nd November 2014 to 14th November 2014	00-06 18-24	4100	750	3350	3935	0			
	15th November 2014 to	06-18' 00-06 18-24	4100	750	3350 3350	4000 3785	0		LTA Quantum revised due to	
	30th November 2014	06-18'	4100		3350	3850	0		shutdown of U-1 & 2 of JPL	

### 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
		00-06	3500		2800	644	2156		
	1st November 2014 to	06-17'	3300		2800	689	2111		
NR*	30th November 2014	17-18'	3600	700	2900	689	2211		
	John November 2014	18-23	3000		2900	644	2256		
		23-24	3500		2800	644	2156		
	1st November 2014 to 14th November 2014	00-17 23-24	530	30	500	0	500		
	14th November 2014	17-23	600	40	570		570		
NER	15th November 2014 to	00-07 23-24	530	30	500	0	500		
NEK	16th November 2014	07-17.	160		130		130		
		17-23	600	40	570		570		
	17th November 2014 to 30th November 2014	00-17 23-24	530	30	500	0	500		
	30th November 2014	17-23	600	40	570		570		
WR									•
** 1									
SR *	1st November 2014 to 30th November 2014	00-24	No limit is being Specified.						

<sup>\*</sup> 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**

ND	Import	High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) due to transit High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and high loop
NR Export		(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Allahabad-Pusauli
NED	Import	(n-1) contingency of 400 kV Balipara – Bongaigaon leading to thermal loading of 220kV BTPS-Agia S/C
NER Export		
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
SR	Export Import	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa  1. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)

<sup>\*</sup>Primary constraints

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected				
			Revised due to commissioning of 765kV Sholapur-Raichur Circuit-2 and 765kV Wardha-Aurangabad D/C. The LTA/MTOA figures are based on allocations and the meetings on TTC/ATC taken by CTU on 24th and 30th Jul 2014.					
1	22-10-2014	Whole month	Revised due to the shutdown of 400 kV Jeypore - Gazuwaka on tower collapse & LTA/MTOA revised by CTU.	ER-SR				
			Revised due to commissioning of 400kV Kalivendapattu- Pugalur ckt - 2 and 400/230 kV Tiruvalam downstream & Revised LGBR by constituents.	S1-S2				
2	26-10-2014	01-10-2014 03-10-2014 to 8-10-2014	Revised due to the shutdown of HVDC Rihand-Dadri Pole-1  Revised due to the shutdown of HVDC Rihand-Dadri Pole-2	WR-NR				
3	31-10-2014	31-10-2014	Revised considering anticipated load crash in the western region during cyclone Nilofar.	WR-NR				
		Whole month 01-11-2014	Revised considering network restructuring in NER region Revised due to Vallur Unit-1 & Unit-2 Outage on BTL	ER-NER				
4	01-11-2014	02-11-2014 03/11/14 to 30/11/14	Revised due to Vallur Unit-2 Outage on BTL STOA margin revised due to MAPS Unit#1 Annual outage plan Postponement.	S1-S2				
5	01-11-2014	01-11-2014 Whole month	Revised due to tripping of HVDC Bhadrawati Pole 2  Revised considering network restructuring in NER region	WR-SR NER-ER				
6	01-11-2014	01/11/14 to 02/11/14	Revised due to extension of outage of Vallur	S1-S2				
7	02-11-2014	02-11-2014	Revised due to extension of outage of Vallur Unit 1	S1-S2				
8	02-11-2014	03-11-2014	Revised due to extension of outage of Vallur Unit 1	S1-S2				
9	03-11-2014	03-11-2014 to 04-11-2014	Revised due to extension of Vallur unit 1 outage	S1-S2				
		04-11-2014	Revised due to consistent low wind generation (~ 0 MW) in Tamilnadu and Vallur unit 1 outage extension					
10	04-11-2014	05-11-2014	Revised due to consistent low wind generation (~ 0 MW) in Tamilnadu and shutdown of 220 kV Kadakola - Kaniympeta	S1-S2				
		06-11-2014 to 11-11-2014	Revised due to consistent low wind generation (~ 0 MW) in Tamilnadu					

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected		
11	04-11-2014	04-11-2014	Revised due to extension of Vallur unit 1 outage	S1-S2		
12	06-11-2014	06/11/2014 - 07/11/2014	Revised due to extension of Vallur Unit-2 outage	S1-S2		
13	07-11-2014	14 08-11-2014 Revised due to extension of Vallur Unit-2 outage				
		08-11-2014	Revised due to completion of AMP work on Rihand-Dadri HVDC Pole-2 WR-NR	WR-NR		
14	08-11-2014	08-11-2014	Revised due to Tripping of NCTPS Stage 2 Unit -1 and Vallur Unit Outage Extension.	S1-S2		
		09/11/2014 - 15/11/2014	Revised due to Tripping of NCTPS Stage 2 Unit -1.	31 32		
15	09-11-2014	09-11-2014	Revised due to Vallur unit-2 outage Extension	S1-S2		
16	12-11-2014	12-11-2014	Revised due to shutdown of 400 kV Kolar - Somanhally	S1-S2		
10	12-11-2014	13-11-2014	Revised due to shutdown of 400 kV Seoni- Bhilai	W3 zone injection		
17	13-11-2014	14/11/2014 - 30/11/2014	LTA quantums are revised due to Unit Outage Plan changes in SRPC's 101st OCC Meeting.	S1-S2		
18	14-11-2014	15/11/2014 - 16/11/2014	Revised due to shutdown of 400 kV Balipara – Misa D/C and 220 kV Samaguri – Sarusajai D/C	ER-NER/ NER- ER		
		15/11/2014 -	LTA Quantum revised due to shutdown of U-1 & 2 of JPL.	ER-SR		
19	14-11-2014	30/11/2014	TRAVISAD DIA TO NOTE IN 1.1 OUTSER IS AVERSION X. I.I.A.			