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 May 2015 to 31st May 2015	00-24	2500	500	2000	706	1294		
	1st May 2015	00-07 07-24'	5100 4850	500	4600 4350	5157	0		
		00-0730	4850		4350		0		
	2nd May 2015	0730- 1030	4400	500	3900	5157	0		
		1030-24	4850		4350		0		
	3rd May 2015	00-17 23-24	4850	500	4350	5157	0		
		17-23	4850		4350	51.57	0		
		00-2115 2115-	4850		4350	5157	0		-
	4th May 2015	2230	3750	500	3250	5157	0		
		2230-24 00-17	5100		4600	5157	0		
	5th May 2015 to 6th May 2015	23-24	5100	500	4600	5157	0	+	
WR-NR*	,	17-23	5100 5100		4600		0		
	7th May 2015	00-07 0724	4100	500	4600 3600	5157	0		-
		00-07	5100		4600		0		
	8th May 2015	0712	4100	500	3600	5157	0		1
	our way 2013			300		3137			-
		1224 00-17	4400		3900 3900		0		
	9th May 2015	23-24		500		5157			
		17-23	4400		3900		0		
	10th May 2015	00-17 23-24	5100	500	4600	5157	0	700	Revised due to restoration of Rihand- Dadri HVDC Pole-2.
		17-23	5100		4600		0		2 main 11 v 2 c 1 d v 2
	11th May 2015 to 31st May 2015	00-17 23-24	5100	500	4600	5157	0		
	31st May 2015	17-23	5100		4600		0		
		00-06	2000		1800	293	1507		
NR-ER*	1st May 2015 to	06-18'	2000	200	1800	358	1442	Ť	
	31st May 2015	18-24	2000		1800	293	1507	Ī	
ER-NR*	1st May 2015 to	00-17 23-24	3400	300	3100	2431	669		
	31st May 2015	17-23	3400		3100		669		
	1st May 2015 to					No limit i	s being specified.		
W3-ER ^{\$}	31st May 2015	00-24					allowed via W3-El	R-NR.	
ER-W3	1st May 2015 to 31st May 2015	00-24	1000	300	700	874	0		
		05-22	2100		1350		0		
	1st May 2015	00-05 22-24	2500	750	1750	1350	400		
		05-22	2300		1550		200		
	2nd May 2015 to 6th May 2015	00-05 22-24	2700	750	1950	1350	600		
WR-SR		00-05	2700		1950		600		
	7th May 2015 to 9th	0507	2300	750	1550	1350	200		
	May 2015	07-22	1900		1150		0		
		22-24 05-22	2300 2300		1550 1550		200		
	10th May 2015 to	00-05		750		1350			
	31st May 2015	22-24	2700		1950		600		

Issue Date: 09/05/2015 Issue Time: 2200 hrs Revision No. 16

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
SR-WR *	1st May 2015 to 31st May 2015	00-24				No limit i	s being Specified.		
ER-SR	1st May 2015 to 31st May 2015	00-06 18-24 06-18'	2650	0	2650	2385 2450	265 200		
SR-ER *	1st May 2015 to 31st May 2015	00-24				No limit i	s being Specified.		
ER-NER	1st May 2015 to 31st May 2015	00-17 23-24 17-23	1170 1150	40	1130 1110	210	920 900		
NER-ER	1st May 2015 to 31st May 2015	00-24	1100		1110	No limit i	s being Specified.		
		00.01		220				1	
	1st May 2015	00-24	3220	320 320	2900	2583 2583	317 317		
	2nd May 2015	00-12 12'-24	3220 3220	320	2900 2900	2583	317		
	3rd May 2015	00-24	3220	320	2900	2583	317		
		00-24	2920		2600	2474	126		
	4th May 2015	21:45-24	3265	320	2945	2474	471		
	5th May 2015	00-24	3265	320	2945	2474	471		
		00-19	3265		2945	2474	471		
	6th May 2015	19-24	3265	320	2945	2474	471		
S1-S2	745 Mars 2015	00-08	3265	320	2945	2474	471		
	7th May 2015	12-24'	2920	320	2600	2474	126		
	8th May 2015	00-24	2920	320	2600	2474	126		
	9th May 2015	00-20	2920	320	2600	2474	126		
	•	20-24	2750	320	2430	2729	0	-170	
	10th May 2015	00-24	2750	320	2430	2729	0	-170	Revised due to Kudamkulam Unit-1
	11th May 2015	00-06	2750	320	2430	2729	0	-170	Outage.
	· ·	06-24'	2920	320	2600	2474	126		
	12th May 2015 to 31st May 2015	00-24	2920	320	2600	2474	126		
Import of Punjab	1st May 2015 to 31st May 2015	00-24	5700	300	5400	3790	1610		
Import TTC for DD & DNH	1st May 2015 to 31st May 2015	00-24	1200	0	1200		OA as per ex-pp edule		
W3 zone Injection	1st May 2015 to 31st May 2015	00-17 23- 24	9400	200	9200	7094	2106		
	5100111uj 2015	17-23	9900		9700		2606		

^{*} 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 Telangana, AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Puducherry

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

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

[#] 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.

Issue Date: 09/05/2015 Issue Time: 2200 hrs Revision No. 16

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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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 400kV Singrauli-Anpara & 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 Saranath-Pusauli
ER-NR	(n-1) contingnecy of Kahalgaon-Lakhisarai S/C
ER-W3	n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)
WR-SR & ER-SR	n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG) 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.
ER-NER	(n-1) contingnecy of Kahalgaon-Lakhisarai S/C
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA ICT at Misa
S1-S2	(n-1) contingency of one circuit of 400 kV Kolar-Hosur D/C
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	1. n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli. 2. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG)

^{*}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									
		00-07	8500		7700		112		
	1st May 2015	07-24'	8250	800	7450	7588	0		
		00-0730	8250		7450		0		
		0730-							
	2nd May 2015	1030	7800	800	7000	7588	0		
		1030-24	8250		7450		0		
		00-17	8250		7450		0		
	3rd May 2015	23-24		800		7588			
		17-23	8250		7450		0		
	4th May 2015	00-21:15	8250		7450	7588	0		
		21:15- 22:30	7150	800	6350	7588	0		
		22:30-24	8500		7700	7588	0		
	5th May 2015 to	00-17 23-24	8500	800	7700	7588	112		
NR*	6th May 2015	17-23	8500		7700		112		
IVK"	7th May 2015	00-07	8500	800	7700	7588	112		
	7tii Way 2013	0724	7500		6700	7366	0		
		00-07	8500		7700		112		
	8th May 2015	0712	7500	800	6700	7588	0		
		1224	7800		7000		0		
	04.34 2015	00-17	7800	000	7000	7500	0	0	
	9th May 2015	23-24 17-23	7800	800	7000	7588	0	0	
		00-17	7800		7000		0		
	10th May 2015	23-24	8500	800	7700	7588	112	700	Revised due to restoration of Rihand-Dadri HVDC Pole-2.
		17-23	8500		7700		112		Killand-Dadii II v DC 1 olc-2.
	11th May 2015 to	00-17 23-24	8500	800	7700	7588	112		
	31st May 2015	17-23	8500	330	7700	, 500	112		
	1at May 2015	00-17							
NER	1st May 2015 to 31st May 2015	23-24	1170	40	1130	210	920		
	Ť	17-23	1150		1110		900		
WR									

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
		00-05	5150		4400	3935	465		
		05-06'	4750		4000	3935	65		
	1st May 2015	06-18'	4750	750	4000	4000	0		
		18-22	4750		4000	3935	65		
		22-24	5150		4400	3935	465		
	2nd May 2015 to 6th May 2015	00-05	5350		4600	3935	665		
		05-06'	4950	750	4200	3935	265		
		06-18'	4950		4200	4000	200		
		18-22	4950		4200	3935	265		
		22-24	5350		4600	3935	665		
SR		00-05	5350		4600	3935	665		
		05-06'	4950		4200	3935	265		
	7th May 2015 to	06-07'	4950	750	4200	4000	200		
	9th May 2015	07-18'	4550	730	3800	4000	0		
		18-22	4550		3800	3935	0		
		22-24	4950		4200	3935	265		
		00-05	5350		4600	3935	665		
	10th May 2015 to	05-06'	4950		4200	3935	265		
	31st May 2015	06-18'	4950	750	4200	4000	200		
	515t Way 2015	18-22	4950		4200	3935	265		
		22-24	5350		4600	3935	665		

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		
	1st May 2015 to	00-06	4500	700	3800	999	2801				
NR*	31st May 2015 to	06-18'	4300		3800	1064	2736				
		18-24	4500		3800	999	2801				
	1 . 3.5 . 2015 .	00-17									
NER	1st May 2015 to	23-24		No limit is being Specified.							
	31st May 2015	17-23									
WD											
WR											
SR *	1st May 2015 to 31st May 2015	00-24		No limit is being Specified.							

^{*} 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

	, Constraints	
		(n-1) contingnecy of Kahalgaon-Lakhisarai S/C
	Import	High loading of 765 kV Agra-Gwalior (1250 MW SPS setting on each circuit of 765 kV Gwalior-Agra) and high loop
NR	Import	flows on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda (power flowing from WR to NR on 765kV Gwalior-Agra
INK		D/C and from NR to WR on 400kV Kankroli-Zerda and 400kV Bhinmal-Zerda).
	Evmont	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
	Export	(n-1) contingency of 400 kV Saranath-Pusauli
NER	Import	(n-1) contingnecy of Kahalgaon-Lakhisarai S/C
NEK	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa
		1. n-1 of 400 kV Wardha – Parli will lead to 30 degrees angular separation between Wardha and Parli.
		2. (n-1) contingency of one circuit of 400kV Parli(PG)-Sholapur(PG) D/C.
SR	Import	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.

^{*}Primary constraints

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected	
1	12-Feb-15	Whole Month	Margin revised due to cancellation of LTA/MTOA	NR-WR/ ER- W3	
2	2-Mar-15	Whole Month	STOA Margins revised due to grant of MTOA from Chattisgarh to KSEB by CTU. Revised due to commissioning of Vallur Unit-3	W3-ER/ W3 Zone S1-S2	
3	31-Mar-15	Revised considering the commissioning of Sasan Unit-6 and reviewed HVDC set points			
			Sholapur S/C.	WR-SR	
4	21-Apr-15	Whole Month	Revised considering reviwed thermal ratings of the lines in ER and expected flows on ER-NR corridor	ER-NR	
5	27-Apr-15	Whole Month	Revised due to LGBR changes given in 106th OCC meeting.	S1-S2	
		Whole Month	Revised due to shutdown of 765kV Pune-Sholapur S/C and considering the present Maharashtra Demand pattern (1st May) & Revised considering the present Maharashtra Demand pattern (2nd-31st).	WR-SR	
6	30-Apr-15	01-05-2015 to 03-05-2015	WR-NR		
			on account of addition of new elements in NER Grid and	ER-NER/ NER-	
		Whole Month	change in load-generation balance.	ER	
		01-05-15 to 02- 05-15	Due to Extension of Vallur Unit -3 Outage	S1-S2	
7	2-May-15	02-05-2015	Revised due to Emergency shutdown of Rihand-Dadri HVDC Pole-1.	WR-NR	
8	2-May-15	02-05-15 to 03- 05-15	Revised due to Extension of Vallur Unit -3 Outage	S1-S2	
9	3-May-15	04-05-2015	Revised due to extension of HVDC Vindhyachal BTB Block-2 shutdown.	WR-NR	
	4-May-15	04-05-2015	Revised due to trippng of Mundra-Mahendragarh HVDC pole-2	WR-NR	
10	- may 13	5/4/2015 to 5/6/2015	Revised due to NCTPS stage 2 Unit-1 Outage	S1-S2	
11	4-May-15	04-05-2015	Due to revival of Mundra-mahendragarh pole 2 and Vindhyachal Block 2	WR-NR	
_		7/5/2015 to 9/5/2015	Revised due to shutdown of 400kV Chandrapur- Ramagundam Ckt-1 (7th-8th) & Ckt-2 (9th).	WR-SR	
12	6-May-15	7/5/2015 to 8/5/2015	Revised due to shutdown of 765kV Bus-1 at Agra Substation.	WR-NR	

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
13	6-May-15	6/5/2015 to 7/5/2015	Revised due to Extension of NCTPS Stage 2 Unit-1 Outage.	S1-S2
14	7-May-15	07-05-2015	Revised due to revival of NCTPS Stage 2 Unit-1.	S1-S2
15 8-May-1		05-08-2015	Revised due to cancellation of 765kV Agra Bus-1 shutdown and due shutdown of Rihand-Dadri HVDC Pole-2.	WR-NR
		9/5/2015 to 10/5/2015	Revised due shutdown of Rihand-Dadri HVDC Pole-2.	
16	9-May-15	9/5/2015 to 11/5/2015	Revised due to Kudamkulam Unit-1 Outage.	S1-S2
10	3-ividy-13	10-05-2015	Revised due restoration of Rihand-Dadri HVDC Pole-2.	WR-NR

ASSUMPTIONS IN BASECASE

Month: May '15

	Wionun. Way 13								
		Lo	ad	Gener	ation				
S.No.	Name of State/Area	Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)				
ı	NORTHERN REGION								
1	Punjab	7577	6617	3463	3477				
2	Haryana	5856	5210	2202	2203				
3	Rajasthan	7738	7467	4717	4717				
4	Delhi	5200	4674	1323	1323				
5	Uttar Pradesh	12604	12834	6533	6524				
6	Jammu & Kashmir	2166	1404	443	441				
7	Uttarakhand	1638	1285	830	496				
8	Himachal Pradesh	1383	1127	704	624				
9	Chandigarh	292	194	0	0				
10	ISGS/IPPs			18480	15160				
	Total NR	44454	40812	38695	34965				
II	EASTERN REGION								
1	West Bengal	7550	6800	5200	3700				
2	Jharkhand	1070	900	470	380				
3	Orissa	3950	3200	3400	2500				
4	Bihar	2600	2140	180	0				
5	Damodar Valley Corporation	2675	2400	3800	3400				
6	Sikkim	85	50	-	-				
7	Bhutan			250	140				
8	ISGS/IPPs			10005	8325				
	Total ER	17930	15490	23305	18445				
III	WESTERN REGION								
1	Chattisgarh	3336	2801	1606	1313				
2	Madhya Pradesh	7271	6314	3649	3011				
3	Maharashtra	19250	17030	15092	12163				
4	Gujarat	13471	1238	10322	8765				
5	Goa	438	347						
6	Daman and Diu	288	264						
7	Dadra and Nagar Haveli	687	665						
8	ISGS/IPPs	1058	1058	22774	22774				
	Total WR	45799	29717	53443	48026				

ASSUMPTIONS IN BASECASE

Month: May '15

		Worth Nay 10							
		Loa	ad	Gener	ation				
S.No.	Name of State/Area	Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)				
IV	SOUTHERN REGION								
1	Telangana	5580	5568	2354	2173				
2	Andhra Pradesh	5593	5592	5077	4550				
3	Tamil Nadu	12051	10398	7068	6424				
4	Karnataka	8046	7046	7080	5576				
5	Kerala	3328	2336	1939	770				
6	Pondy	374	294						
7	Goa	89	89						
8	ISGS/IPPs			9180	9180				
	Total SR	35061	31323	32698	28673				
٧	NORTH-EASTERN REGION								
1	Arunachal Pradesh	86	53	0	0				
2	Assam	753	640	215	200				
3	Manipur	83	53	0	0				
4	Meghalaya	296	211	140	92				
5	Mizoram	58	40	4	3				
6	Nagaland	76	63	16	8				
7	Tripura	244	164	110	110				
8	ISGS/IPPs			990	738				
	Total NER	1596	1224	1475	1151				
	Total All India	444040	440500	4.4004.0	404000				
	Total All India	144840	118566	149616	131260				